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ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS

Cherry County, Nebraska: Initial

Map symbol	Soil name	Acres	Percent
Ad	Almeria Loamy Fine Sand, Channeled, 0 To 2 Percent Slopes	10,610	0.3
Ae	Almeria Fine Sandy Loam, 0 To 2 Percent Slopes	4,760	0.1
Af	Almeria Fine Sandy Loam, Wet, 0 To 2 Percent Slopes	1,100	*
AmB	Anselmo Loamy Fine Sand, 0 To 3 Percent Slopes	3,310	*
AmC	Anselmo Loamy Fine Sand, 3 To 6 Percent Slopes	2,300	*
An	Anselmo Fine Sandy Loam, 0 To 2 Percent Slopes	6,590	0.2
AnC	Anselmo Fine Sandy Loam, 2 To 6 Percent Slopes	3,980	0.1
AnD	Anselmo Fine Sandy Loam, 6 To 11 Percent Slopes	550	*
AuF	Anselmo-Longpine Fine Sandy Loams, 9 To 30 Percent Slopes	4,520	0.1
BcG	Blownout Land-Valentine Complex, 0 To 60 Percent Slopes	9,140	0.2
Bm	Bolent Loamy Fine Sand, Channeled, 0 To 2 Percent Slopes	3,300	*
Bn	Bolent Fine Sandy Loam, 0 To 2 Percent Slopes	600	*
Bp	Bolent-Inglewood, Calcareous Loamy Fine Sands, 0 To 2 Percent Slopes	3,670	*
BsD	Busher Fine Sandy Loam, 6 To 9 Percent Slopes	1,440	*
BvF	Busher-Tassel Fine Sandy Loams, 9 To 30 Percent Slopes	1,990	*
Cr	Crowther Loam, 0 To 1 Percent Slopes	3,480	*
Cs	Crowther Loam, Wet, 0 To 1 Percent Slopes	1,110	*
Cv	Cullison Loam, 0 To 1 Percent Slopes	2,250	*
Cx	Cullison Loam, Wet, 0 To 1 Percent Slopes	2,540	*
Cy	Cutcomb Mucky Peat, 0 To 2 Percent Slopes	9,630	0.3
DaB	Dailey Loamy Fine Sand, 0 To 3 Percent Slopes	6,410	0.2
DaD	Dailey Loamy Fine Sand, 3 To 9 Percent Slopes	3,250	*
DfB	Doughboy Loamy Fine Sand, 0 To 3 Percent Slopes	510	*
Dg	Doughboy Fine Sandy Loam, 0 To 2 Percent Slopes	1,030	*
DtB	Duda-Fishberry Loamy Fine Sands, 0 To 3 Percent Slopes	15,990	0.4
DuB	Dunday Loamy Fine Sand, 0 To 3 Percent Slopes	21,790	0.6
DuD	Dunday Loamy Fine Sand, 3 To 9 Percent Slopes	15,160	0.4
Ec	Els Fine Sand, 0 To 2 Percent Slopes	7,870	0.2
EfB	Els-Ipage Fine Sands, 0 To 3 Percent Slopes	29,330	0.8
Eh	Els-Tryon Complex, 0 To 2 Percent Slopes	46,570	1.2
Em	Els, Calcareous-Hoffland Complex, 0 To 2 Percent Slopes	13,950	0.4
En	Els, Calcareous-Selia Fine Sands, 0 To 2 Percent Slopes	2,970	*
Es	Elsmere Loamy Fine Sand, 0 To 2 Percent Slopes	7,600	0.2
Et	Elsmere Loamy Fine Sand, Calcareous, 0 To 2 Percent Slopes	7,350	0.2
Ew	Elsmere-Loup Complex, 0 To 2 Percent Slopes	19,020	0.5
FbC	Fishberry Fine Sandy Loam, 0 To 6 Percent Slopes	2,970	*
FcF	Fishberry-Duda Loamy Fine Sands, 6 To 30 Percent Slopes	7,720	0.2
FdG	Fishberry-Rock Outcrop Complex, 20 To 60 Percent Slopes	580	*
Fe	Fluvaquents, Sandy, 0 To 1 Percent Slopes	2,930	*
Ga	Gannett Loam, 0 To 1 Percent Slopes	2,990	*
Gb	Gannett Loam, Wet, 0 To 1 Percent Slopes	2,820	*
Gc	Gus Clay Loam, 0 To 1 Percent Slopes	1,020	*
Gf	Gus Clay Loam, Wet, 0 To 1 Percent Slopes	2,320	*
He	Hennings Fine Sandy Loam, 0 To 2 Percent Slopes	8,390	0.2
HeC	Hennings Fine Sandy Loam, 2 To 6 Percent Slopes	7,250	0.2
HeD	Hennings Fine Sandy Loam, 6 To 11 Percent Slopes	1,010	*
HgE	Hennings-Anselmo Fine Sandy Loams, 11 To 20 Percent Slopes	1,190	*
Hr	Hoffland Fine Sandy Loam, 0 To 1 Percent Slopes	9,220	0.2
Hs	Hoffland Fine Sandy Loam, Wet, 0 To 1 Percent Slopes	1,360	*
Ht	Holt Fine Sandy Loam, 0 To 2 Percent Slopes	3,570	*
HuC	Holt-Longpine Fine Sandy Loams, 2 To 6 Percent Slopes	15,760	0.4
HuD	Holt-Longpine Fine Sandy Loams, 6 To 9 Percent Slopes	6,530	0.2
HyC	Holt-Vetal Fine Sandy Loams, 0 To 6 Percent Slopes	2,380	*
Ic	Calamus Fine Sand, Calcareous, 0 To 2 Percent Slopes	3,180	*
Id	Calamus Loamy Fine Sand, Calcareous, 0 To 2 Percent Slopes	2,370	*
IgB	Ipage Fine Sand, 0 To 3 Percent Slopes	54,500	1.4
IhB	Ipage Fine Sand, Calcareous, 0 To 3 Percent Slopes	7,680	0.2
IpB	Ipage Loamy Fine Sand, 0 To 3 Percent Slopes	9,380	0.2
ItB	Ipage-Tryon Complex, 0 To 3 Percent Slopes	82,160	2.1
Jn	Jansen Fine Sandy Loam, 0 To 2 Percent Slopes	370	*
Ke	Keya Loam, 0 To 2 Percent Slopes	2,550	*
LfB	Libory Loamy Fine Sand, 0 To 3 Percent Slopes	1,750	*
Lh	Lodgepole Silt Loam, 0 To 1 Percent Slopes	160	*
Lo	Loup Fine Sandy Loam, 0 To 1 Percent Slopes	25,640	0.7
Lp	Loup Fine Sandy Loam, Wet, 0 To 1 Percent Slopes	8,710	0.2
Ma	Marlake Fine Sandy Loam, 0 To 1 Percent Slopes	20,280	0.5
McB	Mckelvie Loamy Fine Sand, 0 To 3 Percent Slopes	840	*
McD	Mckelvie Loamy Fine Sand, 3 To 9 Percent Slopes	5,040	0.1
McF	Mckelvie Loamy Fine Sand, 9 To 30 Percent Slopes	5,270	0.1
MdF	Mckelvie-Fishberry Loamy Fine Sands, 9 To 30 Percent Slopes	9,000	0.2
MeG	Mckelvie-Fishberry-Rock Outcrop Complex, 11 To 60 Percent Slopes	42,020	1.1
MfG	Mckelvie-Rock Outcrop Complex, 20 To 60 Percent Slopes	17,700	0.5
MgG	Mckelvie-Ustorthents Complex, 20 To 60 Percent Slopes	3,630	*
MxB	Meadin Loamy Sand, 0 To 3 Percent Slopes	950	*
MxF	Meadin Loamy Sand, 3 To 30 Percent Slopes	310	*
Mz	Medihemists, 0 To 2 Percent Slopes	6,330	0.2
NeB	Nenzel Loamy Fine Sand, 0 To 3 Percent Slopes	5,510	0.1
NfB	Nenzel Loamy Fine Sand, Calcareous, 0 To 3 Percent Slopes	4,020	0.1
Or	Ord Loam, 0 To 2 Percent Slopes	4,140	0.1
OsD	Orpha Loamy Fine Sand, 3 To 9 Percent Slopes	1,330	*
OtF	Orpha-Niobrara Loamy Fine Sands, 9 To 30 Percent Slopes	4,590	0.1
OxG	Orpha-Rock Outcrop Complex, 20 To 60 Percent Slopes	4,100	0.1
PtB	Pivot Loamy Fine Sand, 0 To 3 Percent Slopes	380	*
SfB	Sandose Loamy Fine Sand, 0 To 3 Percent Slopes	5,480	0.1
ShB	Sandose-Hennings Loamy Fine Sands, 0 To 3 Percent Slopes	6,780	0.2
ShC	Sandose-Hennings Loamy Fine Sands, 3 To 6 Percent Slopes	9,890	0.3
ShD	Sandose-Hennings Loamy Fine Sands, 6 To 11 Percent Slopes	4,970	0.1
SnB	Satanta Fine Sandy Loam, 0 To 3 Percent Slopes	2,560	*
SoB	Simeon Sand, 0 To 3 Percent Slopes	8,530	0.2
SvD	Simeon-Valentine Complex, 0 To 9 Percent Slopes	18,600	0.5
SvF	Simeon-Valentine Complex, 9 To 24 Percent Slopes	3,020	*
Tn	Tryon Fine Sandy Loam, 0 To 1 Percent Slopes	13,460	0.4

ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Cherry County, Nebraska: Initial

Map symbol	Soil name	Acres	Percent
To	Tryon Fine Sandy Loam, Wet, 0 To 1 Percent Slopes	9,600	0.2
TwC	Tuthill Fine Sandy Loam, 3 To 6 Percent Slopes	4,350	0.1
TwD	Tuthill Fine Sandy Loam, 6 To 11 Percent Slopes	740	*
VcB	Valent Fine Sand, 0 To 3 Percent Slopes	790	*
VcD	Valent Fine Sand, 3 To 9 Percent Slopes	19,350	0.5
VcE	Valent Fine Sand, Rolling	50,640	1.3
VcF	Valent Complex, Rolling And Hilly	96,620	2.5
VcG	Valent Fine Sand, Hilly	1,170	*
VdD	Valent Loamy Fine Sand, 3 To 9 Percent Slopes	3,270	*
VgD	Valent-Els Fine Sands, 0 To 9 Percent Slopes	1,810	*
VhF	Valent-Tryon Fine Sands, 0 To 24 Percent Slopes	1,880	*
VkB	Valentine Fine Sand, 0 To 3 Percent Slopes	9,470	0.2
VkD	Valentine Fine Sand, 3 To 9 Percent Slopes	179,850	4.7
VkE	Valentine Fine Sand, Rolling	570,700	14.8
VkF	Valentine Complex, Rolling And Hilly	1,742,940	45.3
VkG	Valentine Fine Sand, Hilly	107,220	2.8
VmB	Valentine Loamy Fine Sand, 0 To 3 Percent Slopes	6,960	0.2
VmD	Valentine Loamy Fine Sand, 3 To 9 Percent Slopes	43,470	1.1
VnD	Valentine-Duda Complex, 3 To 9 Percent Slopes	31,990	0.8
VnF	Valentine-Duda Complex, 9 To 24 Percent Slopes	23,270	0.6
VoD	Valentine-Els Fine Sands, 0 To 9 Percent Slopes	44,830	1.2
VpD	Valentine-Libory Complex, 0 To 9 Percent Slopes	2,670	*
VsD	Valentine-Sandose Complex, 0 To 9 Percent Slopes	4,110	0.1
VwF	Valentine-Tryon Fine Sands, 0 To 24 Percent Slopes	78,960	2.1
VyB	Vetal Loamy Fine Sand, 0 To 3 Percent Slopes	1,010	*
Vz	Vetal Fine Sandy Loam, 0 To 2 Percent Slopes	6,250	0.2
W	Water	34,827	0.9
WeB	Wildhorse Fine Sand, 0 To 3 Percent Slopes	3,590	*
	Total	3,845,197	100.0

* Less than 0.1 percent.

NONTECHNICAL SOIL DESCRIPTIONS
Cherry County, Nebraska

Nontechnical soil descriptions describe soil properties or management considerations specific to a soil map unit or group of map units, shown in the NonTechnical Descriptions report. These descriptions are written in terminology that Non-technical users of soil survey information can understand.
Nontechnical soil descriptions are a powerful tool for creating reports. These high quality, easy to read reports can be generated by conservation planners and other NRCS employees for distribution to land users. Soil map unit descriptions and National Soil Information System records are the basis for these descriptions.

Ad Almeria Loamy Fine Sand, Channeled, 0 To 2 Percent Slopes

Almeria soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping flood plain on river valley. The runoff class is negligible. The parent material consists of sandy alluvium. This soil is very poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is frequently flooded and is not ponded. The top of the seasonal high water table is at 0 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil contains a very slightly saline horizon, This soil is in the Wet Land range site. It is in the nonirrigated land capability classification 6w.

Ae Almeria Fine Sandy Loam, 0 To 2 Percent Slopes

Almeria soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping flood plain on river valley. The runoff class is very low. The parent material consists of sandy alluvium. This soil is poorly drained. The slowest permeability is moderately rapid. It has a low available water capacity and a low shrink swell potential. This soil is occasionally flooded and is not ponded. The top of the seasonal high water table is at 9 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil contains a very slightly saline horizon, This soil is in the Wet Subirrigated range site. It is in the nonirrigated land capability classification 5w.

Af Almeria Fine Sandy Loam, Wet, 0 To 2 Percent Slopes

Almeria soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping flood plain on river valley. The runoff class is very low. The parent material consists of sandy alluvium. This soil is very poorly drained. The slowest permeability is moderate. It has a low available water capacity and a low shrink swell potential. This soil is occasionally flooded and is not ponded. The top of the seasonal high water table is at 0 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil contains a very slightly saline horizon, This soil is in the Wet Land range site. It is in the nonirrigated land capability classification 5w.

AmB Anselmo Loamy Fine Sand, 0 To 3 Percent Slopes

Anselmo soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is very low. The parent material consists of loamy eolian deposits. This soil is well drained. The slowest permeability is moderately rapid. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 3 percent calcium carbonate. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

AmC Anselmo Loamy Fine Sand, 3 To 6 Percent Slopes

Anselmo soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping hill on tableland. The runoff class is low. The parent material consists of loamy eolian deposits. This soil is well drained. The slowest permeability is moderately rapid. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 3 percent calcium carbonate. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

An Anselmo Fine Sandy Loam, 0 To 2 Percent Slopes

Anselmo soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is very low. The parent material consists of loamy eolian deposits. This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 3 percent calcium carbonate. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 2e. It is in the nonirrigated land capability classification 2e.

AnC Anselmo Fine Sandy Loam, 2 To 6 Percent Slopes

Anselmo soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a gently sloping to moderately sloping hill on tableland. The runoff class is low. The parent material consists of loamy eolian deposits. This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 3 percent calcium carbonate. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

AnD Anselmo Fine Sandy Loam, 6 To 11 Percent Slopes

Anselmo soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping hill on tableland. The runoff class is low. The parent material consists of loamy eolian deposits. This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 3 percent calcium carbonate. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

AuF Anselmo-Longpine Fine Sandy Loams, 9 To 30 Percent Slopes

Anselmo soil makes up 55 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a strongly sloping to moderately steep hill on tableland. The runoff class is low. The parent material consists of loamy eolian deposits. This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 3 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6e.

Longpine soil makes up 35 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a strongly sloping to steep hill on tableland. The runoff class is very high. The parent material consists of calcareous loamy residuum weathered from sandstone. The soil is 10 to 20 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderately rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 15 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Shallow Limy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6s.

BcG Blownout Land-Valentine Complex, 0 To 60 Percent Slopes

Valentine soil makes up 20 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to steep dune on interdune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 6e.

Bm Bolent Loamy Fine Sand, Channeled, 0 To 2 Percent Slopes

Bolent soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping flood plain on river valley. The runoff class is negligible. The parent material consists of sandy alluvium. This soil is somewhat poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is occasionally flooded and is not ponded. The top of the seasonal high water table is at 27 inches. The soil contains a maximum amount of 10 percent calcium carbonate. This soil is in the Subirrigated range site. It is in the nonirrigated land capability classification 6w.

Bn Bolent Fine Sandy Loam, 0 To 2 Percent Slopes

Bolent soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping flood plain on river valley. The runoff class is very low. The parent material consists of sandy alluvium. This soil is somewhat poorly drained. The slowest permeability is moderately rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. The soil contains a maximum amount of 10 percent calcium carbonate. This soil is in the Subirrigated range site. This soil is in the irrigated land capability class 4w. It is in the nonirrigated land capability classification 4e.

Bp Bolent-Inglewood, Calcareous Loamy Fine Sands, 0 To 2 Percent Slopes

Bolent soil makes up 60 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping flood plain on river valley. The runoff class is negligible. The parent material consists of sandy alluvium. This soil is somewhat poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is occasionally flooded and is not ponded. The top of the seasonal high water table is at 27 inches. The soil contains a maximum amount of 10 percent calcium carbonate. This soil is in the Subirrigated range site. This soil is in the irrigated land capability class 4w. It is in the nonirrigated land capability classification 4e.

Inglewood soil makes up 30 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping flood plain on river valley. The runoff class is negligible. The parent material consists of sandy alluvium. This soil is moderately well drained. The slowest permeability is rapid. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 54 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sandy Lowland 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

BsD Busher Fine Sandy Loam, 6 To 9 Percent Slopes

Busher soil makes up 85 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping hill on tableland. The runoff class is low. The parent material consists of residuum weathered from sandstone. The soil is 40 to 60 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderately rapid. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

BvF Busher-Tassel Fine Sandy Loams, 9 To 30 Percent Slopes

Busher soil makes up 50 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a strongly sloping to moderately steep hill on tableland. The runoff class is low. The parent material consists of residuum weathered from sandstone. The soil is 40 to 60 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderately rapid. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6e.

Tassel soil makes up 35 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a strongly sloping to steep hill on tableland. The runoff class is very high. The parent material consists of residuum weathered from calcareous sandstone. The soil is 6 to 20 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderately rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 15 percent calcium carbonate. This soil is in the Shallow Limy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6s.

Cr Crowther Loam, 0 To 1 Percent Slopes

Crowther soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of calcareous alluvium. This soil is poorly drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 9 inches. The soil contains a maximum amount of 40 percent calcium carbonate. This soil is in the Wet Subirrigated range site. It is in the nonirrigated land capability classification 5w.

Cs Crowther Loam, Wet, 0 To 1 Percent Slopes

Crowther soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of calcareous alluvium. This soil is very poorly drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 0 inches. The soil contains a maximum amount of 40 percent calcium carbonate. This soil is in the Wet Land range site. It is in the nonirrigated land capability classification 5w.

Cv Cullison Loam, 0 To 1 Percent Slopes

Cullison soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is low. The parent material consists of calcareous loamy alluvium. This soil is poorly drained. The slowest permeability is moderate. It has a high available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 9 inches. The soil contains a maximum amount of 60 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Wet Subirrigated range site. It is in the nonirrigated land capability classification 5w.

Cx Cullison Loam, Wet, 0 To 1 Percent Slopes

Cullison soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of calcareous loamy alluvium. This soil is very poorly drained. The slowest permeability is moderate. It has a high available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 0 inches. The soil contains a maximum amount of 60 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Wet Land range site. It is in the nonirrigated land capability classification 5w.

Cy Cutcomb Mucky Peat, 0 To 2 Percent Slopes

Cutcomb soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping fen on sandhills. The runoff class is very low. The parent material consists of herbaceous organic material. This soil is very poorly drained. It has a very high available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 0 inches. This soil is in the Wet Land range site. It is in the nonirrigated land capability classification 5w.

DaB Dailey Loamy Fine Sand, 0 To 3 Percent Slopes

Dailey soil makes up 90 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping interdune on sandhills. The runoff class is negligible. The parent material consists of eolian sands. This soil is somewhat excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 2 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

DaD Dailey Loamy Fine Sand, 3 To 9 Percent Slopes

Dailey soil makes up 90 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping dune on interdune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is somewhat excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 2 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

DfB Doughboy Loamy Fine Sand, 0 To 3 Percent Slopes

Doughboy soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is very low. The parent material consists of loamy alluvium. This soil is moderately well drained. The slowest permeability is moderate. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 54 inches. The soil contains a maximum amount of 45 percent calcium carbonate. This soil contains a very slightly saline horizon, it has a horizon that is slightly sodic. This soil is in the Sandy Lowland 17-22" P.z. range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 4e.

Dg Doughboy Fine Sandy Loam, 0 To 2 Percent Slopes

Doughboy soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping interdune on sandhills. The runoff class is very low. The parent material consists of loamy alluvium. This soil is moderately well drained. The slowest permeability is moderate. It has a high available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 54 inches. The soil contains a maximum amount of 45 percent calcium carbonate. This soil contains a very slightly saline horizon, it has a horizon that is slightly sodic. This soil is in the Sandy Lowland 17-22" P.z. range site. This soil is in the irrigated land capability class 2e. It is in the nonirrigated land capability classification 3e.

DtB Duda-Fishberry Loamy Fine Sands, 0 To 3 Percent Slopes

Duda soil makes up 45 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is very low. The parent material consists of sandy eolian deposits derived from sandstone. The soil is 20 to 40 inches deep to bedrock (paralithic). This soil is somewhat excessively drained. The slowest permeability is moderately rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

Fishberry soil makes up 40 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is medium. The parent material consists of sandy residuum weathered from calcareous sandstone. The soil is 10 to 20 inches deep to bedrock (paralithic). This soil is excessively drained. The slowest permeability is rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 15 percent calcium carbonate. This soil is in the Shallow Limy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6e.

DuB Dunday Loamy Fine Sand, 0 To 3 Percent Slopes

Dunday soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping interdune on sandhills. The runoff class is negligible. The parent material consists of eolian sands. This soil is somewhat excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 4e.

DuD Dunday Loamy Fine Sand, 3 To 9 Percent Slopes

Dunday soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping dune on interdune on sandhills. The runoff class is low. The parent material consists of eolian sands. This soil is somewhat excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

Ec Els Fine Sand, 0 To 2 Percent Slopes

Els soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over sandy alluvium. This soil is somewhat poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. This soil is in the Subirrigated range site. This soil is in the irrigated land capability class 4w. It is in the nonirrigated land capability classification 6e.

EfB Els-Ipage Fine Sands, 0 To 3 Percent Slopes

Els soil makes up 60 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over sandy alluvium. This soil is somewhat poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. This soil is in the Subirrigated range site. This soil is in the irrigated land capability class 4w. It is in the nonirrigated land capability classification 6e.

Ipage soil makes up 30 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of eolian sands over sandy alluvium. This soil is moderately well drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 48 inches. This soil is in the Sandy Lowland 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

Eh Els-Tryon Complex, 0 To 2 Percent Slopes

Els soil makes up 50 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over sandy alluvium. This soil is somewhat poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. This soil is in the Subirrigated range site. This soil is in the irrigated land capability class 4w. It is in the nonirrigated land capability classification 6e.

Tryon soil makes up 45 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over sandy alluvium. This soil is poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 9 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Wet Subirrigated range site. It is in the nonirrigated land capability classification 5w.

Em Els, Calcareous-Hoffland Complex, 0 To 2 Percent Slopes

Els soil makes up 50 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over sandy alluvium. This soil is somewhat poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. The soil contains a maximum amount of 10 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Subirrigated range site. This soil is in the irrigated land capability class 4w. It is in the nonirrigated land capability classification 6e.

Hoffland soil makes up 45 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy alluvium. This soil is poorly drained. The slowest permeability is moderately rapid. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 9 inches. The soil contains a maximum amount of 40 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Wet Subirrigated range site. It is in the nonirrigated land capability classification 5w.

En Els, Calcareous-Selia Fine Sands, 0 To 2 Percent Slopes

Els, Calcareous soil makes up 50 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over sandy alluvium. This soil is somewhat poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. The soil contains a maximum amount of 10 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Subirrigated range site. This soil is in the irrigated land capability class 4w. It is in the nonirrigated land capability classification 6e.

Selia soil makes up 45 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping swale on interdune on sandhills. The runoff class is medium. The parent material consists of sandy alluvium or eolian sands. This soil is somewhat poorly drained. The slowest permeability is slow. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 24 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil contains a slightly saline horizon, it has a horizon that is strongly sodic. This soil is in the Saline Subirrigated 14-22" P.z. range site. It is in the nonirrigated land capability classification 6s.

Es Elsmere Loamy Fine Sand, 0 To 2 Percent Slopes

Elsmere soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy alluvium and/or eolian sands. This soil is somewhat poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. This soil is in the Subirrigated range site. This soil is in the irrigated land capability class 4w. It is in the nonirrigated land capability classification 4w.

Et Elsmere Loamy Fine Sand, Calcareous, 0 To 2 Percent Slopes

Elsmere soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy alluvium and/or eolian sands. This soil is somewhat poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. The soil contains a maximum amount of 10 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Subirrigated range site. This soil is in the irrigated land capability class 4w. It is in the nonirrigated land capability classification 4w.

Ew Elsmere-Loup Complex, 0 To 2 Percent Slopes

Elsmere soil makes up 50 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy alluvium and/or eolian sands. This soil is somewhat poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. This soil is in the Subirrigated range site. This soil is in the irrigated land capability class 4w. It is in the nonirrigated land capability classification 4w.

Loup soil makes up 45 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy alluvium. This soil is poorly drained. The slowest permeability is moderately rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 9 inches. This soil is in the Wet Subirrigated range site. It is in the nonirrigated land capability classification 5w.

FbC Fishberry Fine Sandy Loam, 0 To 6 Percent Slopes

Fishberry soil makes up 90 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a nearly level to moderately sloping hill on tableland. The runoff class is medium. The parent material consists of sandy residuum weathered from calcareous sandstone. The soil is 10 to 20 inches deep to bedrock (paralithic). This soil is excessively drained. The slowest permeability is moderately rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 15 percent calcium carbonate. This soil is in the Shallow Limy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6e.

FcF Fishberry-Duda Loamy Fine Sands, 6 To 30 Percent Slopes

Fishberry soil makes up 55 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a moderately sloping to steep hill on tableland. The runoff class is high. The parent material consists of sandy residuum weathered from calcareous sandstone. The soil is 10 to 20 inches deep to bedrock (paralithic). This soil is excessively drained. The slowest permeability is rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 15 percent calcium carbonate. This soil is in the Shallow Limy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6e.

Duda soil makes up 35 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a moderately sloping to moderately steep hill on tableland. The runoff class is low. The parent material consists of sandy eolian deposits derived from sandstone. The soil is 20 to 40 inches deep to bedrock (paralithic). This soil is somewhat excessively drained. The slowest permeability is moderately rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sandy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6e.

FdG Fishberry-Rock Outcrop Complex, 20 To 60 Percent Slopes

Fishberry soil makes up 60 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a steep to very steep valley side on river valley. The runoff class is very high. The parent material consists of sandy residuum weathered from calcareous sandstone. The soil is 10 to 20 inches deep to bedrock (paralithic). This soil is excessively drained. The slowest permeability is rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 15 percent calcium carbonate. This soil is in the Shallow Limy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 7e.

Fe Fluvaquents, Sandy, 0 To 1 Percent Slopes

Fluvaquents, Sandy soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level flood plain on river valley. The runoff class is negligible. The parent material consists of sandy alluvium. This soil is very poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is frequently flooded and is not ponded. The top of the seasonal high water table is at 0 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the No Site - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 8w.

Ga Gannett Loam, 0 To 1 Percent Slopes

Gannett soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of loamy and sandy alluvium. This soil is poorly drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 9 inches. The soil contains a maximum amount of 10 percent calcium carbonate. This soil is in the Wet Subirrigated range site. It is in the nonirrigated land capability classification 5w.

Gb Gannett Loam, Wet, 0 To 1 Percent Slopes

Gannett soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of loamy and sandy alluvium. This soil is very poorly drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 0 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Wet Land range site. It is in the nonirrigated land capability classification 5w.

Gc Gus Clay Loam, 0 To 1 Percent Slopes

Gus soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of loamy alluvium. This soil is poorly drained. The slowest permeability is moderate. It has a high available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 9 inches. This soil is in the Wet Subirrigated range site. It is in the nonirrigated land capability classification 5w.

Gf Gus Clay Loam, Wet, 0 To 1 Percent Slopes

Gus soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of loamy alluvium. This soil is very poorly drained. The slowest permeability is moderate. It has a high available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 0 inches. This soil is in the Wet Land range site. It is in the nonirrigated land capability classification 5w.

He Hennings Fine Sandy Loam, 0 To 2 Percent Slopes

Hennings soil makes up 85 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is low. The parent material consists of loamy residuum over soft calcareous sandstone. The soil is 40 to 60 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Silty - Veg. Zone 2 range site. This soil is in the irrigated land capability class 2e. It is in the nonirrigated land capability classification 2e.

HeC Hennings Fine Sandy Loam, 2 To 6 Percent Slopes

Hennings soil makes up 85 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a gently sloping to moderately sloping hill on tableland. The runoff class is medium. The parent material consists of loamy residuum over soft calcareous sandstone. The soil is 40 to 60 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Silty - Veg. Zone 2 range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

HeD Hennings Fine Sandy Loam, 6 To 11 Percent Slopes

Hennings soil makes up 85 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping hill on tableland. The runoff class is medium. The parent material consists of loamy residuum over soft calcareous sandstone. The soil is 40 to 60 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Silty - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

HgE Hennings-Anselmo Fine Sandy Loams, 11 To 20 Percent Slopes

Hennings soil makes up 55 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a strongly sloping to moderately steep hill on tableland. The runoff class is medium. The parent material consists of loamy residuum over soft calcareous sandstone. The soil is 40 to 60 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderate. It has a low available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Silty - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6e.

Anselmo soil makes up 40 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a strongly sloping to moderately steep hill on tableland. The runoff class is low. The parent material consists of loamy eolian deposits. This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 3 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6e.

Hr Hoffland Fine Sandy Loam, 0 To 1 Percent Slopes

Hoffland soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of loamy and sandy alluvium. This soil is poorly drained. The slowest permeability is moderately rapid. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 9 inches. The soil contains a maximum amount of 40 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Wet Subirrigated range site. It is in the nonirrigated land capability classification 5w.

Hs Hoffland Fine Sandy Loam, Wet, 0 To 1 Percent Slopes

Hoffland soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of loamy and sandy alluvium. This soil is very poorly drained. The slowest permeability is moderately rapid. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 0 inches. The soil contains a maximum amount of 40 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Wet Land range site. It is in the nonirrigated land capability classification 5w.

Ht Holt Fine Sandy Loam, 0 To 2 Percent Slopes

Holt soil makes up 85 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is very low. The parent material consists of loamy residuum weathered from calcareous sandstone. The soil is 20 to 36 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderate. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

HuC Holt-Longpine Fine Sandy Loams, 2 To 6 Percent Slopes

Holt soil makes up 55 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a gently sloping to moderately sloping hill on tableland. The runoff class is very low. The parent material consists of loamy residuum weathered from calcareous sandstone. The soil is 20 to 36 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderate. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

Longpine soil makes up 30 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a gently sloping to moderately sloping hill on tableland. The runoff class is medium. The parent material consists of calcareous loamy residuum weathered from sandstone. The soil is 10 to 20 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderately rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 15 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Shallow Limy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6s.

HuD Holt-Longpine Fine Sandy Loams, 6 To 9 Percent Slopes

Holt soil makes up 50 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping hill on tableland. The runoff class is low. The parent material consists of loamy residuum weathered from calcareous sandstone. The soil is 20 to 36 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderate. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

Longpine soil makes up 35 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping hill on tableland. The runoff class is high. The parent material consists of calcareous loamy residuum weathered from sandstone. The soil is 10 to 20 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderately rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 15 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Shallow Limy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6s.

HyC Holt-Vetal Fine Sandy Loams, 0 To 6 Percent Slopes

Holt soil makes up 60 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a gently sloping to moderately sloping hill on tableland. The runoff class is very low. The parent material consists of loamy residuum weathered from calcareous sandstone. The soil is 20 to 36 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderate. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

Vetal soil makes up 35 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping swale on plain on tableland. The runoff class is very low. The parent material consists of loamy alluvium over eolian deposits. This soil is well drained. The slowest permeability is moderately rapid. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 2e. It is in the nonirrigated land capability classification 2e.

Ic Calamus Fine Sand, Calcareous, 0 To 2 Percent Slopes

Calamus soil makes up 90 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping flood plain on river valley. The runoff class is negligible. The parent material consists of sandy alluvium. This soil is moderately well drained. The slowest permeability is rapid. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 54 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sandy Lowland - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

Id Calamus Loamy Fine Sand, Calcareous, 0 To 2 Percent Slopes

Calamus soil makes up 90 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping flood plain on river valley. The runoff class is negligible. The parent material consists of sandy alluvium. This soil is moderately well drained. The slowest permeability is rapid. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 54 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sandy Lowland - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

IgB Ipage Fine Sand, 0 To 3 Percent Slopes

Ipage soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of eolian sands over sandy alluvium. This soil is moderately well drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 48 inches. This soil is in the Sandy Lowland 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

IhB Ipage Fine Sand, Calcareous, 0 To 3 Percent Slopes

Ipage soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of eolian sands over sandy alluvium. This soil is moderately well drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 48 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sandy Lowland 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

IpB Ipage Loamy Fine Sand, 0 To 3 Percent Slopes

Ipage soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of eolian sands over sandy alluvium. This soil is moderately well drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 48 inches. This soil is in the Sandy Lowland 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

ItB Ipage-Tryon Complex, 0 To 3 Percent Slopes

Ipage soil makes up 65 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of eolian sands over sandy alluvium. This soil is moderately well drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 48 inches. This soil is in the Sandy Lowland 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

Tryon soil makes up 30 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over sandy alluvium. This soil is poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 9 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Wet Subirrigated range site. It is in the nonirrigated land capability classification 5w.

Jn Jansen Fine Sandy Loam, 0 To 2 Percent Slopes

Jansen soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is low. The parent material consists of loamy alluvium over sandy and gravelly alluvium. This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 2e. It is in the nonirrigated land capability classification 2e.

Ke Keya Loam, 0 To 2 Percent Slopes

Keya soil makes up 90 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping swale on plain on tableland. The runoff class is low. The parent material consists of loamy pedisediments. This soil is well drained. The slowest permeability is moderate. It has a high available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Silty - Veg. Zone 2 range site. This soil is in the irrigated land capability class 1 It is in the nonirrigated land capability classification 2c.

LfB Libory Loamy Fine Sand, 0 To 3 Percent Slopes

Libory soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is very low. The parent material consists of eolian sand over loamy alluvium. This soil is moderately well drained. The slowest permeability is moderate. It has a high available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. This soil is in the Sandy Lowland 17-22" P.z. range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

Lh Lodgepole Silt Loam, 0 To 1 Percent Slopes

Lodgepole soil makes up 90 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a nearly level playa on upland. The runoff class is negligible. The parent material consists of loamy pedisediments. This soil is somewhat poorly drained. The slowest permeability is very slow. It has a high available water capacity and a high shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 0 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Clayey Overflow - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4w. It is in the nonirrigated land capability classification 3w.

Lo Loup Fine Sandy Loam, 0 To 1 Percent Slopes

Loup soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy alluvium. This soil is poorly drained. The slowest permeability is moderately rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 9 inches. This soil is in the Wet Subirrigated range site. It is in the nonirrigated land capability classification 5w.

Lp Loup Fine Sandy Loam, Wet, 0 To 1 Percent Slopes

Loup soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy alluvium. This soil is very poorly drained. The slowest permeability is moderately rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 0 inches. This soil is in the Wet Land range site. It is in the nonirrigated land capability classification 5w.

Ma Marlake Fine Sandy Loam, 0 To 1 Percent Slopes

Marlake soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level depression on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over alluvium. This soil is very poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 0 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the No Site - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 8w.

McB Mckelvie Loamy Fine Sand, 0 To 3 Percent Slopes

Mckelvie soil makes up 90 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping valley side on river valley. The runoff class is negligible. The parent material consists of sandy residuum weathered from sandstone. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

McD Mckelvie Loamy Fine Sand, 3 To 9 Percent Slopes

Mckelvie soil makes up 90 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping valley side on river valley. The runoff class is very low. The parent material consists of sandy residuum weathered from sandstone. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sands - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

McF Mckelvie Loamy Fine Sand, 9 To 30 Percent Slopes

Mckelvie soil makes up 90 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a strongly sloping to steep valley side on river valley. The runoff class is low. The parent material consists of sandy residuum weathered from sandstone. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sands - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6e.

MdF Mckelvie-Fishberry Loamy Fine Sands, 9 To 30 Percent Slopes

Mckelvie soil makes up 60 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a strongly sloping to moderately steep valley side on river valley. The runoff class is very low. The parent material consists of sandy residuum weathered from sandstone. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sands - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6e.

Fishberry soil makes up 35 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a strongly sloping to steep valley side on river valley. The runoff class is very high. The parent material consists of sandy residuum weathered from calcareous sandstone. The soil is 10 to 20 inches deep to bedrock (paralithic). This soil is excessively drained. The slowest permeability is rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 15 percent calcium carbonate. This soil is in the Shallow Limy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6e.

MeG Mckelvie-Fishberry-Rock Outcrop Complex, 11 To 60 Percent Slopes

Mckelvie soil makes up 65 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a strongly sloping to very steep valley side on river valley. The runoff class is low. The parent material consists of sandy residuum weathered from sandstone. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Savannah - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 7e.

Fishberry soil makes up 20 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a steep to very steep valley side on river valley. The runoff class is very high. The parent material consists of sandy residuum weathered from calcareous sandstone. The soil is 10 to 20 inches deep to bedrock (paralithic). This soil is excessively drained. The slowest permeability is rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 15 percent calcium carbonate. This soil is in the Shallow Limy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 7e.

MfG Mckelvie-Rock Outcrop Complex, 20 To 60 Percent Slopes

Mckelvie soil makes up 65 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a steep to very steep valley side on river valley. The runoff class is low. The parent material consists of sandy residuum weathered from sandstone. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sands - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 7e.

Rock Outcrop soil makes up 30 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a steep to very steep valley side on river valley. The runoff class is very high. The parent material consists of calcareous sandstone. The soil is 0 inches bedrock (paralithic). This soil is excessively drained. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the No Site - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 8s.

MgG Mckelvie-Ustorthents Complex, 20 To 60 Percent Slopes

Mckelvie soil makes up 60 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a steep to very steep valley side on river valley. The runoff class is low. The parent material consists of sandy residuum weathered from sandstone. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 7e.

Ustorthents soil makes up 25 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a steep to very steep valley side on river valley. The runoff class is medium. The parent material consists of loamy pedisediments. This soil is well drained. The slowest permeability is moderately rapid. It has a high available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sandy 17-22" P.z. range site. It is in the nonirrigated land capability classification 7e.

MxB Meadin Loamy Sand, 0 To 3 Percent Slopes

Meadin soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is very low. The parent material consists of loamy alluvium over sandy and gravelly alluvium. This soil is excessively drained. The slowest permeability is moderately rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Shallow To Gravel 17-25" P.z. range site. This soil is in the irrigated land capability class 4s. It is in the nonirrigated land capability classification 6s.

MxF Meadin Loamy Sand, 3 To 30 Percent Slopes

Meadin soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to steep valley side on river valley. The runoff class is low. The parent material consists of loamy alluvium over sandy and gravelly alluvium. This soil is excessively drained. The slowest permeability is moderately rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Shallow To Gravel 17-25" P.z. range site. It is in the nonirrigated land capability classification 6s.

Mz Medihemists, 0 To 2 Percent Slopes

Medihemists soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping fen on sandhills. The runoff class is negligible. The parent material consists of herbaceous organic material. This soil is very poorly drained. The slowest permeability is rapid. It has a very high available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 0 inches. This soil is in the No Site - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 8w.

NeB Nenzel Loamy Fine Sand, 0 To 3 Percent Slopes

Nenzel soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of eolian sand and sandy alluvium. This soil is moderately well drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 48 inches. This soil is in the Sandy Lowland 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

NfB Nenzel Loamy Fine Sand, Calcareous, 0 To 3 Percent Slopes

Nenzel soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of eolian sand and sandy alluvium. This soil is moderately well drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 48 inches. The soil contains a maximum amount of 15 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Sandy Lowland 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

Or Ord Loam, 0 To 2 Percent Slopes

Ord soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is low. The parent material consists of stratified sandy alluvium. This soil is somewhat poorly drained. The slowest permeability is moderate. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. The soil contains a maximum amount of 40 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Subirrigated range site. This soil is in the irrigated land capability class 3w. It is in the nonirrigated land capability classification 3w.

OsD Orpha Loamy Fine Sand, 3 To 9 Percent Slopes

Orpha soil makes up 90 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping valley side on river valley. The runoff class is very low. The parent material consists of eolian sands and residuum weathered from sandstone. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. This soil is in the Sands - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

OtF Orpha-Niobrara Loamy Fine Sands, 9 To 30 Percent Slopes

Orpha soil makes up 60 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a strongly sloping to steep valley side on river valley. The runoff class is low. The parent material consists of eolian sands and residuum weathered from sandstone. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. This soil is in the Sands - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6e.

Niobrara soil makes up 35 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a strongly sloping to steep valley side on river valley. The runoff class is very high. The parent material consists of sandy residuum weathered from sandstone. The soil is 10 to 20 inches deep to bedrock (paralithic). This soil is excessively drained. The slowest permeability is rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 15 percent calcium carbonate. This soil is in the Shallow Limy - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 6s.

OxG Orpha-Rock Outcrop Complex, 20 To 60 Percent Slopes

Orpha soil makes up 65 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a steep to steep valley side on river valley. The runoff class is low. The parent material consists of eolian sands and residuum weathered from sandstone. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. This soil is in the Sands - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 7e.

Rock Outcrop soil makes up 30 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a steep to very steep valley side on river valley. The runoff class is very high. The parent material consists of calcareous sandstone. The soil is 0 inches bedrock (paralithic). This soil is excessively drained. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the No Site - Veg. Zone 2 range site. It is in the nonirrigated land capability classification 8s.

PtB Pivot Loamy Fine Sand, 0 To 3 Percent Slopes

Pivot soil makes up 85 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is negligible. The parent material consists of sandy eolian deposits over gravelly alluvium. This soil is somewhat excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 4e.

SfB Sandose Loamy Fine Sand, 0 To 3 Percent Slopes

Sandose soil makes up 85 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is very low. The parent material consists of eolian sands over loamy sediments. This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

ShB Sandose-Hennings Loamy Fine Sands, 0 To 3 Percent Slopes

Sandose soil makes up 60 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is low. The parent material consists of eolian sands over loamy sediments. This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

Hennings soil makes up 30 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a gently sloping plain on tableland. The runoff class is low. The parent material consists of loamy residuum over soft calcareous sandstone. The soil is 40 to 60 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderate. It has a low available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

ShC Sandose-Hennings Loamy Fine Sands, 3 To 6 Percent Slopes

Sandose soil makes up 65 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a moderately sloping hill on tableland. The runoff class is very low. The parent material consists of eolian sands over loamy sediments. This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 4e.

Hennings soil makes up 30 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a moderately sloping hill on tableland. The runoff class is low. The parent material consists of loamy residuum over soft calcareous sandstone. The soil is 40 to 60 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderate. It has a low available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 4e.

ShD Sandose-Hennings Loamy Fine Sands, 6 To 11 Percent Slopes

Sandose soil makes up 65 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping hill on tableland. The runoff class is low. The parent material consists of eolian sands over loamy sediments. This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

Hennings soil makes up 30 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping hill on tableland. The runoff class is medium. The parent material consists of loamy residuum over soft calcareous sandstone. The soil is 40 to 60 inches deep to bedrock (paralithic). This soil is well drained. The slowest permeability is moderate. It has a low available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. it has a horizon that is slightly sodic. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

SnB Satanta Fine Sandy Loam, 0 To 3 Percent Slopes

Satanta soil makes up 85 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping paleoterrace on tableland. The runoff class is low. The parent material consists of loamy eolian deposits. This soil is well drained. The slowest permeability is moderate. It has a high available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 15 percent calcium carbonate. This soil is in the Silty - Veg. Zone 2 range site. This soil is in the irrigated land capability class 2e. It is in the nonirrigated land capability classification 3e.

SoB Simeon Sand, 0 To 3 Percent Slopes

Simeon soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is negligible. The parent material consists of sandy and gravelly alluvium. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Shallow To Gravel 17-25" P.z. range site. This soil is in the irrigated land capability class 4s. It is in the nonirrigated land capability classification 6s.

SvD Simeon-Valentine Complex, 0 To 9 Percent Slopes

Simeon soil makes up 60 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is negligible. The parent material consists of sandy and gravelly alluvium. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Shallow To Gravel 17-25" P.z. range site. This soil is in the irrigated land capability class 4s. It is in the nonirrigated land capability classification 6s.

Valentine soil makes up 35 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping dune on tableland. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

SvF Simeon-Valentine Complex, 9 To 24 Percent Slopes

Simeon soil makes up 60 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a strongly sloping to steep valley side on river valley. The runoff class is very low. The parent material consists of sandy and gravelly alluvium. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Shallow To Gravel 17-25" P.z. range site. It is in the nonirrigated land capability classification 6s.

Valentine soil makes up 30 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a strongly sloping to steep dune on valley side on river valley. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 6e.

Tn Tryon Fine Sandy Loam, 0 To 1 Percent Slopes

Tryon soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over sandy alluvium. This soil is poorly drained. The slowest permeability is moderately rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 9 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Wet Subirrigated range site. It is in the nonirrigated land capability classification 5w.

To Tryon Fine Sandy Loam, Wet, 0 To 1 Percent Slopes

Tryon soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over sandy alluvium. This soil is very poorly drained. The slowest permeability is moderately rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 0 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Wet Land range site. It is in the nonirrigated land capability classification 5w.

TwC Tuthill Fine Sandy Loam, 3 To 6 Percent Slopes

Tuthill soil makes up 85 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a moderately sloping hill on tableland. The runoff class is low. The parent material consists of fine-loamy over sandy and gravelly sediments. This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

TwD Tuthill Fine Sandy Loam, 6 To 11 Percent Slopes

Tuthill soil makes up 90 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping hill on tableland. The runoff class is medium. The parent material consists of fine-loamy over sandy and gravelly sediments. This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

VcB Valent Fine Sand, 0 To 3 Percent Slopes

Valent soil makes up 95 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

VcD Valent Fine Sand, 3 To 9 Percent Slopes

Valent soil makes up 95 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping dune on interdune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

VcE Valent Fine Sand, Rolling

Valent soil makes up 95 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a strongly sloping to steep dune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 6e.

VcF Valent Complex, Rolling And Hilly

Valent soil makes up 65 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a strongly sloping to steep dune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 6e.

Valent soil makes up 30 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a steep to very steep dune on sandhills. The runoff class is low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Choppy Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 7e.

VcG Valent Fine Sand, Hilly

Valent soil makes up 99 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a steep to very steep dune on sandhills. The runoff class is low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Choppy Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 7e.

VdD Valent Loamy Fine Sand, 3 To 9 Percent Slopes

Valent soil makes up 90 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping dune on interdune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

VgD Valent-Els Fine Sands, 0 To 9 Percent Slopes

Valent soil makes up 55 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping dune on interdune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

Els soil makes up 40 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over sandy alluvium. This soil is somewhat poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. This soil is in the Subirrigated range site. This soil is in the irrigated land capability class 4w. It is in the nonirrigated land capability classification 6e.

VhF Valent-Tryon Fine Sands, 0 To 24 Percent Slopes

Valent soil makes up 65 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a gently sloping to steep dune on interdune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 6e.

Tryon soil makes up 34 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over sandy alluvium. This soil is very poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 0 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Wet Land range site. It is in the nonirrigated land capability classification 5w.

VkB Valentine Fine Sand, 0 To 3 Percent Slopes

Valentine soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

VkD Valentine Fine Sand, 3 To 9 Percent Slopes

Valentine soil makes up 95 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping dune on interdune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

VkE Valentine Fine Sand, Rolling

Valentine soil makes up 95 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a strongly sloping to steep dune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 6e.

VkF Valentine Complex, Rolling And Hilly

Valentine soil makes up 65 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a strongly sloping to steep dune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 6e.

Valentine soil makes up 30 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a steep to very steep dune on sandhills. The runoff class is low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Choppy Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 7e.

VkG Valentine Fine Sand, Hilly

Valentine soil makes up 99 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a steep to very steep dune on sandhills. The runoff class is low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Choppy Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 7e.

VmB Valentine Loamy Fine Sand, 0 To 3 Percent Slopes

Valentine soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 4e.

VmD Valentine Loamy Fine Sand, 3 To 9 Percent Slopes

Valentine soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping dune on interdune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

VnD Valentine-Duda Complex, 3 To 9 Percent Slopes

Valentine soil makes up 60 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping dune on tableland. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

Duda soil makes up 30 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping hill on tableland. The runoff class is low. The parent material consists of sandy eolian deposits derived from sandstone. The soil is 20 to 40 inches deep to bedrock (paralithic). This soil is somewhat excessively drained. The slowest permeability is moderately rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

VnF Valentine-Duda Complex, 9 To 24 Percent Slopes

Valentine soil makes up 60 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a strongly sloping to steep dune on tableland. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 6e.

Duda soil makes up 25 percent of the map unit. This map unit is in the Dakota-Nebraska Eroded Tableland Major Land Resource Area. This soil occurs on a strongly sloping to moderately steep hill on tableland. The runoff class is low. The parent material consists of sandy eolian deposits derived from sandstone. The soil is 20 to 40 inches deep to bedrock (paralithic). This soil is somewhat excessively drained. The slowest permeability is moderately rapid. It has a very low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sandy 17-22" P.z. range site. It is in the nonirrigated land capability classification 6e.

VoD Valentine-Els Fine Sands, 0 To 9 Percent Slopes

Valentine soil makes up 55 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping dune on interdune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

Els soil makes up 40 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over sandy alluvium. This soil is somewhat poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. This soil is in the Subirrigated range site. This soil is in the irrigated land capability class 4w. It is in the nonirrigated land capability classification 6e.

VpD Valentine-Libory Complex, 0 To 9 Percent Slopes

Valentine soil makes up 65 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping dune on interdune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

Libory soil makes up 33 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is very low. The parent material consists of eolian sands over loamy alluvium. This soil is moderately well drained. The slowest permeability is moderate. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 27 inches. This soil is in the Sandy Lowland 17-22" P.z. range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

VsD Valentine-Sandose Complex, 0 To 9 Percent Slopes

Valentine soil makes up 60 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a moderately sloping to strongly sloping dune on tableland. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. This soil is in the irrigated land capability class 4e. It is in the nonirrigated land capability classification 6e.

Sandose soil makes up 30 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is very low. The parent material consists of eolian sands over loamy sediments. This soil is well drained. The slowest permeability is moderate. It has a moderate available water capacity and a moderate shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 10 percent calcium carbonate. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

VwF Valentine-Tryon Fine Sands, 0 To 24 Percent Slopes

Valentine soil makes up 65 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a gently sloping to steep dune on interdune on sandhills. The runoff class is very low. The parent material consists of eolian sands. This soil is excessively drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. This soil is in the Sands 17-22" P.z. range site. It is in the nonirrigated land capability classification 6e.

Tryon soil makes up 34 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level swale on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy eolian deposits over sandy alluvium. This soil is very poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 0 inches. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Wet Land range site. It is in the nonirrigated land capability classification 5w.

VyB Vetal Loamy Fine Sand, 0 To 3 Percent Slopes

Vetal soil makes up 90 percent of the map unit. This map unit is in the Mixed Sandy and Silty Tableland Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is very low. The parent material consists of loamy alluvium over eolian deposits. This soil is well drained. The slowest permeability is moderately rapid. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sandy - Veg. Zone 2 range site. This soil is in the irrigated land capability class 3e. It is in the nonirrigated land capability classification 3e.

Vz Vetal Fine Sandy Loam, 0 To 2 Percent Slopes

Vetal soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping plain on tableland. The runoff class is very low. The parent material consists of loamy alluvium over eolian deposits. This soil is well drained. The slowest permeability is moderately rapid. It has a moderate available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The seasonal high water table is at a depth of more than 6 feet. The soil contains a maximum amount of 5 percent calcium carbonate. This soil is in the Sandy 17-22" P.z. range site. This soil is in the irrigated land capability class 2e. It is in the nonirrigated land capability classification 2e.

WeB Wildhorse Fine Sand, 0 To 3 Percent Slopes

Wildhorse soil makes up 90 percent of the map unit. This map unit is in the Nebraska Sand Hills Major Land Resource Area. This soil occurs on a nearly level to gently sloping hummock on interdune on sandhills. The runoff class is negligible. The parent material consists of sandy alluvium and/or eolian sands. This soil is somewhat poorly drained. The slowest permeability is rapid. It has a low available water capacity and a low shrink swell potential. This soil is not flooded and is not ponded. The top of the seasonal high water table is at 30 inches. The soil contains a maximum amount of 10 percent calcium carbonate. This soil contains a slightly saline horizon, it has a horizon that is strongly sodic. This soil is in the Saline Subirrigated 14-22" P.z. range site. It is in the nonirrigated land capability classification 6s.

Ad—Almeria loamy fine sand, Channeled, 0 to 2 percent slopes

Map Unit Composition

Almeria: 85 percent
Minor components: 15 percent

Component Descriptions
Almeria
MLRA: 65 - Nebraska Sand Hills
Landform: Flood plain on river valley
Parent material: Sandy alluvium
Slope: 0 to 2 percent
Drainage class: Very poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.4 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: Frequent
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: Wet Land
Land capability (nonirrigated): 6w

Typical Profile:
H1—0 to 5 inches; loamy fine sand
H2—5 to 60 inches; stratified sand to fine sandy loam

Minor Components
Bolent
Composition: About 8 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

Fluvaquents, Sandy
Composition: About 7 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Ae—Almeria fine sandy loam, 0 to 2 percent slopes

Map Unit Composition

Almeria: 85 percent
Minor components: 15 percent

Component Descriptions
Almeria
MLRA: 65 - Nebraska Sand Hills
Landform: Flood plain on river valley
Parent material: Sandy alluvium
Slope: 0 to 2 percent
Drainage class: Poorly drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Low (About 5.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: Occasional
Depth to seasonal water saturation: About 0 to 18 inches
Runoff class: Very low
Ecological site: Wet Subirrigated
Land capability (nonirrigated): 5w

Typical Profile:
H1—0 to 7 inches; fine sandy loam
H2—7 to 60 inches; stratified sand to fine sandy loam

Minor Components
Bolent
Composition: About 8 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

Inglewood
Composition: About 7 percent
Slope: 0 to 2 percent
Drainage class: Moderately well drained
Ecological site: Sandy Lowland - Veg. Zone 2

Af—Almeria fine sandy loam, Wet, 0 to 2 percent slopes

Map Unit Composition

Almeria: 85 percent
Minor components: 15 percent

Component Descriptions
Almeria
MLRA: 65 - Nebraska Sand Hills
Landform: Flood plain on river valley
Parent material: Sandy alluvium
Slope: 0 to 2 percent
Drainage class: Very poorly drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Low (About 5.3 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: Occasional

Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Very low
Ecological site: Wet Land
Land capability (nonirrigated): 5w

Typical Profile:
0 to 3 inches; slightly decomposed plant material
H1—3 to 6 inches; fine sandy loam
H2—6 to 60 inches; stratified sand to fine sandy loam

Minor Components
Fluvaquents, Sandy
Composition: About 10 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Bolent
Composition: About 5 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

AmB—Anselmo loamy fine sand, 0 to 3 percent slopes

Map Unit Composition

Anselmo: 85 percent
Minor components: 15 percent

Component Descriptions
Anselmo
MLRA: 65 - Nebraska Sand Hills
Landform: Plain on tableland
Parent material: Loamy eolian deposits
Slope: 0 to 3 percent
Drainage class: Well drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Moderate (About 7.1 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 11 inches; loamy fine sand
H2—11 to 30 inches; fine sandy loam
H3—30 to 36 inches; fine sandy loam
H4—36 to 60 inches; fine sand

Minor Components
Sandose
Composition: About 9 percent
Slope: 0 to 3 percent
Drainage class: Well drained

Valentine
Composition: About 6 percent
Slope: 0 to 3 percent
Drainage class: Excessively drained
Ecological site: Sandy 17-22" P.z.

AmC—Anselmo loamy fine sand, 3 to 6 percent slopes

Map Unit Composition

Anselmo: 85 percent
Minor components: 15 percent
Component Descriptions
Anselmo
MLRA: 65 - Nebraska Sand Hills
Landform: Hill on tableland
Parent material: Loamy eolian deposits
Slope: 3 to 6 percent
Drainage class: Well drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Moderate (About 7.1 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 11 inches; loamy fine sand
H2—11 to 30 inches; fine sandy loam
H3—30 to 36 inches; fine sandy loam
H4—36 to 60 inches; fine sand

Minor Components
Hennings
Composition: About 8 percent
Landform: hill on tableland
Slope: 3 to 6 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)

Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

Sandose
Composition: About 7 percent
Landform: hill on tableland
Slope: 3 to 6 percent
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

An—Anselmo fine sandy loam, 0 to 2 percent slopes

Map Unit Composition

Anselmo: 85 percent
Minor components: 15 percent

Component Descriptions
Anselmo
MLRA: 65 - Nebraska Sand Hills
Landform: Plain on tableland
Parent material: Loamy eolian deposits
Slope: 0 to 2 percent
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 7.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 2e
Land capability (nonirrigated): 2e

Typical Profile:
H1—0 to 6 inches; fine sandy loam
H2—6 to 16 inches; fine sandy loam
H3—16 to 34 inches; fine sandy loam
H4—34 to 60 inches; fine sand

Minor Components
Sandose
Composition: About 9 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Hennings
Composition: About 6 percent
Slope: 0 to 2 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Silty - Veg. Zone 2

AnC—Anselmo fine sandy loam, 2 to 6 percent slopes

Map Unit Composition

Anselmo: 85 percent
Minor components: 15 percent

Component Descriptions
Anselmo
MLRA: 65 - Nebraska Sand Hills
Landform: Hill on tableland
Parent material: Loamy eolian deposits
Slope: 2 to 6 percent
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 7.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 6 inches; fine sandy loam
H2—6 to 16 inches; fine sandy loam
H3—16 to 34 inches; fine sandy loam
H4—34 to 60 inches; fine sand

Minor Components
Hennings
Composition: About 8 percent
Landform: hill on tableland
Slope: 2 to 6 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Silty - Veg. Zone 2

Valentine
Composition: About 7 percent
Slope: 3 to 9 percent
Drainage class: Excessively drained
Ecological site: Sands 17-22" P.z.

AnD—Anselmo fine sandy loam, 6 to 11 percent slopes

Map Unit Composition

Anselmo: 85 percent
Minor components: 15 percent

Component Descriptions
Anselmo
MLRA: 65 - Nebraska Sand Hills
Landform: Hill on tableland
Parent material: Loamy eolian deposits
Slope: 6 to 11 percent
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 7.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 6 inches; fine sandy loam
H2—6 to 16 inches; fine sandy loam
H3—16 to 34 inches; fine sandy loam
H4—34 to 60 inches; fine sand

Minor Components
Hennings
Composition: About 9 percent
Landform: hill on tableland
Slope: 6 to 11 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Silty - Veg. Zone 2

Valentine
Composition: About 6 percent
Slope: 3 to 9 percent
Drainage class: Excessively drained
Ecological site: Sands 17-22" P.z.

AuF—Anselmo-Longpine fine sandy loams, 9 to 30 percent slopes

Map Unit Composition

Anselmo: 55 percent
Longpine: 35 percent
Minor components: 10 percent

Component Descriptions
Anselmo
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Loamy eolian deposits
Slope: 9 to 17 percent
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 7.1 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy - Veg. Zone 2
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 6 inches; fine sandy loam
H2—6 to 12 inches; fine sandy loam
H3—12 to 34 inches; fine sandy loam
H4—34 to 60 inches; fine sand

Longpine
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Calcareous loamy residuum weathered from sandstone
Slope: 9 to 30 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Very low (About 1.5 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very high
Ecological site: Shallow Limy - Veg. Zone 2
Land capability (nonirrigated): 6s

Typical Profile:
H1—0 to 4 inches; fine sandy loam
H2—4 to 12 inches; gravelly loamy very fine sand
H3—12 to 60 inches; weathered bedrock

Minor Components
Holt
Composition: About 10 percent
Landform: hill on tableland
Slope: 6 to 9 percent
Depth to restrictive feature: 20 to 36 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

BcG—Blownout Land-Valentine complex, 0 to 60 percent slopes

Map Unit Composition

Blownout Land: 75 percent
Valentine: 20 percent
Minor components: 5 percent

Component Descriptions
Blownout Land
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on interdune on sandhills
Parent material: Eolian sands
Slope: 0 to 60 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.1 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: No Site - Veg. Zone 2
Land capability (nonirrigated): 7e

Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on interdune on sandhills
Parent material: Eolian sands
Slope: 3 to 24 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 4 inches; fine sand
H2—4 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Bm—Bolent loamy fine sand, Channeled, 0 to 2 percent slopes

Map Unit Composition

Bolent: 85 percent
Minor components: 15 percent

Component Descriptions
Bolent
MLRA: 65 - Nebraska Sand Hills
Landform: Flood plain on river valley
Parent material: Sandy alluvium
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.9 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: Occasional
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Negligible
Ecological site: Subirrigated
Land capability (nonirrigated): 6w

Typical Profile:
H1—0 to 5 inches; loamy fine sand
H2—5 to 60 inches; stratified fine sandy loam to sand

Minor Components
Almeria
Composition: About 8 percent
Slope: 0 to 2 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Inglewood
Composition: About 7 percent
Slope: 0 to 2 percent
Drainage class: Moderately well drained
Ecological site: Sandy Lowland - Veg. Zone 2

Bn—Bolent fine sandy loam, 0 to 2 percent slopes

Map Unit Composition

Bolent: 90 percent
Minor components: 10 percent

Component Descriptions
Bolent
MLRA: 65 - Nebraska Sand Hills
Landform: Flood plain on river valley
Parent material: Sandy alluvium
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Low (About 5.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Very low
Ecological site: Subirrigated
Land capability (irrigated): 4w
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 4 inches; fine sandy loam
H2—4 to 60 inches; stratified fine sandy loam to sand

Minor Components
Almeria
Composition: About 5 percent
Slope: 0 to 2 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Inglewood
Composition: About 5 percent
Slope: 0 to 2 percent
Drainage class: Moderately well drained
Ecological site: Sandy Lowland - Veg. Zone 2

Bp—Bolent-Inglewood, Calcareous loamy fine sands, 0 to 2 percent slopes

Map Unit Composition

Bolent: 60 percent
Inglewood: 30 percent
Minor components: 10 percent

Component Descriptions
Bolent
MLRA: 65 - Nebraska Sand Hills
Landform: Flood plain on river valley
Parent material: Sandy alluvium
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: Occasional
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Negligible
Ecological site: Subirrigated
Land capability (irrigated): 4w
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 4 inches; loamy fine sand
H2—4 to 60 inches; stratified fine sandy loam to sand

Inglewood
MLRA: 65 - Nebraska Sand Hills
Landform: Flood plain on river valley
Parent material: Sandy alluvium
Slope: 0 to 2 percent
Drainage class: Moderately well drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Moderate (About 6.6 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 36 to 72 inches
Runoff class: Negligible
Ecological site: Sandy Lowland 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 8 inches; loamy fine sand
H2—8 to 28 inches; fine sand
H3—28 to 60 inches; stratified fine sand to sand

Minor Components
Almeria
Composition: About 10 percent
Slope: 0 to 2 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

BsD—Busher fine sandy loam, 6 to 9 percent slopes

Map Unit Composition

Busher: 85 percent
Minor components: 15 percent

Component Descriptions
Busher
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Hill on tableland
Parent material: Residuum weathered from sandstone
Slope: 6 to 9 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Moderate (About 7.3 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 16 inches; fine sandy loam
H2—16 to 45 inches; very fine sandy loam
H3—45 to 60 inches; weathered bedrock

Minor Components
Tuthill
Composition: About 8 percent
Landform: hill on tableland
Slope: 6 to 11 percent
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

Tassel
Composition: About 7 percent
Landform: hill on tableland
Slope: 9 to 30 percent
Depth to restrictive feature: 6 to 20 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Shallow Limy - Veg. Zone 2

BvF—Busher-Tassel fine sandy loams, 9 to 30 percent slopes

Map Unit Composition

Busher: 50 percent
Tassel: 35 percent
Minor components: 15 percent

Component Descriptions
Busher
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Hill on tableland
Parent material: Residuum weathered from sandstone
Slope: 9 to 15 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Moderate (About 6.9 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy - Veg. Zone 2
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 18 inches; fine sandy loam
H2—18 to 42 inches; fine sandy loam
H3—42 to 60 inches; weathered bedrock

Tassel
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Hill on tableland
Parent material: Residuum weathered from calcareous sandstone
Slope: 9 to 30 percent
Depth to restrictive feature: 6 to 20 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Very low (About 1.9 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very high
Ecological site: Shallow Limy - Veg. Zone 2
Land capability (nonirrigated): 6s

Typical Profile:
H1—0 to 4 inches; fine sandy loam
H2—4 to 15 inches; gravelly fine sandy loam
H3—15 to 60 inches; weathered bedrock

Minor Components
Tuthill
Composition: About 15 percent
Landform: hill on tableland
Slope: 6 to 11 percent
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

Cr—Crowther loam, 0 to 1 percent slopes

Map Unit Composition

Crowther: 85 percent
Minor components: 15 percent

Component Descriptions
Crowther
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Calcareous alluvium
Slope: 0 to 1 percent
Drainage class: Poorly drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 7.3 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 18 inches
Runoff class: Negligible
Ecological site: Wet Subirrigated
Land capability (nonirrigated): 5w

Typical Profile:
0 to 2 inches; mucky peat
H1—2 to 11 inches; loam
H2—11 to 26 inches; loam
H3—26 to 60 inches; loamy sand

Minor Components
Elsmere
Composition: About 12 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

Marlake
Composition: About 3 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Cs—Crowther loam, Wet, 0 to 1 percent slopes

Map Unit Composition

Crowther: 90 percent
Minor components: 10 percent

Component Descriptions
Crowther
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Calcareous alluvium
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 8.1 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: Wet Land
Land capability (nonirrigated): 5w

Typical Profile:
0 to 2 inches; mucky peat
H1—2 to 11 inches; loam
H2—11 to 35 inches; loam
H3—35 to 60 inches; fine sand

Minor Components
Marlake
Composition: About 7 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Elsmere
Composition: About 3 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

Cv—Cullison loam, 0 to 1 percent slopes

Map Unit Composition

Cullison: 85 percent
Minor components: 15 percent

Component Descriptions
Cullison
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Calcareous loamy alluvium
Slope: 0 to 1 percent
Drainage class: Poorly drained
Slowest permeability: Moderate (About 0.60 in/hr)
Available water capacity: High (About 11.1 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 18 inches
Runoff class: Low
Ecological site: Wet Subirrigated
Land capability (nonirrigated): 5w

Typical Profile:
0 to 1 inches; slightly decomposed plant material
H1—1 to 8 inches; loam
H2—8 to 24 inches; clay loam
H3—24 to 60 inches; clay loam

Minor Components
Elsmere
Composition: About 12 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

Marlake
Composition: About 3 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Cx—Cullison loam, Wet, 0 to 1 percent slopes

Map Unit Composition

Cullison: 90 percent
Minor components: 10 percent

Component Descriptions
Cullison
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Calcareous loamy alluvium
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Slowest permeability: Moderate (About 0.60 in/hr)
Available water capacity: High (About 10.7 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: Wet Land
Land capability (nonirrigated): 5w

Typical Profile:
0 to 2 inches; slightly decomposed plant material
H1—2 to 17 inches; loam
H2—17 to 27 inches; clay loam
H3—27 to 60 inches; loam

Minor Components
Marlake
Composition: About 7 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Ord
Composition: About 3 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

Cy—Cutcomb mucky peat, 0 to 2 percent slopes

Map Unit Composition

Cutcomb: 85 percent
Minor components: 15 percent

Component Descriptions
Cutcomb
MLRA: 65 - Nebraska Sand Hills
Landform: Fen on sandhills
Parent material: Herbaceous organic material
Slope: 0 to 2 percent
Drainage class: Very poorly drained
Available water capacity: Very high (About 23.6 inches)
Shrink-swell potential: Low (About 1.5 LEP)

Flooding hazard: None
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Very low
Ecological site: Wet Land
Land capability (nonirrigated): 5w

Typical Profile:
H1—0 to 14 inches; mucky peat
H2—14 to 52 inches; mucky peat
H3—52 to 60 inches; muck

Minor Components
Gus
Composition: About 8 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Land

Medihemists
Composition: About 7 percent
Slope: 0 to 2 percent
Drainage class: Very poorly drained
Ecological site: No Site - Veg. Zone 2

DaB—Dailey loamy fine sand, 0 to 3 percent slopes

Map Unit Composition

Dailey: 90 percent
Minor components: 10 percent

Component Descriptions
Dailey
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Interdune on sandhills
Parent material: Eolian sands
Slope: 0 to 3 percent
Drainage class: Somewhat excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Negligible
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 17 inches; loamy fine sand
H2—17 to 60 inches; loamy fine sand

Minor Components
Sandose
Composition: About 7 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Vetal
Composition: About 3 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

DaD—Dailey loamy fine sand, 3 to 9 percent slopes

Map Unit Composition

Dailey: 90 percent
Minor components: 10 percent

Component Descriptions
Dailey
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Dune on interdune on sandhills
Parent material: Eolian sands
Slope: 3 to 9 percent
Drainage class: Somewhat excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 12 inches; loamy fine sand
H2—12 to 60 inches; loamy fine sand

Minor Components
Busher
Composition: About 5 percent
Landform: hill on tableland
Slope: 6 to 9 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

Sandose
Composition: About 5 percent
Landform: hill on tableland

Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

DfB—Doughboy loamy fine sand, 0 to 3 percent slopes

Map Unit Composition

Doughboy: 85 percent
Minor components: 15 percent

Component Descriptions
Doughboy
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Loamy alluvium
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 8.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 36 to 72 inches
Runoff class: Very low
Ecological site: Sandy Lowland 17-22" P.z.
Land capability (irrigated): 3e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 14 inches; loamy fine sand
H2—14 to 37 inches; fine sandy loam
H3—37 to 60 inches; loamy fine sand

Minor Components
Libory
Composition: About 9 percent
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Ecological site: Sandy Lowland 17-22" P.z.

Nenzel
Composition: About 6 percent
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Ecological site: Sandy Lowland 17-22" P.z.

Dg—Doughboy fine sandy loam, 0 to 2 percent slopes

Map Unit Composition

Doughboy: 85 percent
Minor components: 15 percent

Component Descriptions
Doughboy
MLRA: 65 - Nebraska Sand Hills
Landform: Interdune on sandhills
Parent material: Loamy alluvium
Slope: 0 to 2 percent
Drainage class: Moderately well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: High (About 9.6 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 36 to 72 inches
Runoff class: Very low
Ecological site: Sandy Lowland 17-22" P.z.
Land capability (irrigated): 2e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 19 inches; fine sandy loam
H2—19 to 38 inches; fine sandy loam
H3—38 to 60 inches; loam

Minor Components
Libory
Composition: About 9 percent
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Ecological site: Sandy Lowland 17-22" P.z.

Nenzel
Composition: About 6 percent
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Ecological site: Sandy Lowland 17-22" P.z.

DtB—Duda-Fishberry loamy fine sands, 0 to 3 percent slopes

Map Unit Composition
Duda: 45 percent
Fishberry: 40 percent
Minor components: 15 percent

Component Descriptions
Duda

MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Plain on tableland
Parent material: Sandy eolian deposits derived from sandstone
Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to bedrock (paralithic)
Drainage class: Somewhat excessively drained
Slowest permeability: Moderately rapid (About 1.98 in/hr)
Available water capacity: Very low (About 2.4 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 6 inches; loamy fine sand
H2—6 to 25 inches; loamy fine sand
H3—25 to 60 inches; weathered bedrock

Fishberry
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Plain on tableland
Parent material: Sandy residuum weathered from calcareous sandstone
Slope: 0 to 3 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Very low (About 1.3 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Medium
Ecological site: Shallow Limy - Veg. Zone 2
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; loamy fine sand
H2—5 to 16 inches; gravelly loamy fine sand
H3—16 to 60 inches; unweathered bedrock

Minor Components
Valentine
Composition: About 15 percent
Slope: 0 to 3 percent
Drainage class: Excessively drained
Ecological site: Sandy 17-22" P.z.

DuB—Dunday loamy fine sand, 0 to 3 percent slopes

Map Unit Composition

Dunday: 85 percent
Minor components: 15 percent

Component Descriptions
Dunday
MLRA: 65 - Nebraska Sand Hills
Landform: Interdune on sandhills
Parent material: Eolian sands
Slope: 0 to 3 percent
Drainage class: Somewhat excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.3 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Negligible
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 3e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 18 inches; loamy fine sand
H2—18 to 60 inches; fine sand

Minor Components
Anselmo
Composition: About 9 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Sandose
Composition: About 6 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

DuD—Dunday loamy fine sand, 3 to 9 percent slopes

Map Unit Composition

Dunday: 85 percent
Minor components: 15 percent

Component Descriptions
Dunday
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on interdune on sandhills
Parent material: Eolian sands
Slope: 3 to 9 percent
Drainage class: Somewhat excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.3 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 18 inches; loamy fine sand
H2—18 to 60 inches; fine sand

Minor Components
Anselmo
Composition: About 9 percent
Landform: hill on tableland
Slope: 3 to 6 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Sandose
Composition: About 6 percent
Landform: hill on tableland
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Ec—Els fine sand, 0 to 2 percent slopes

Map Unit Composition

Els: 85 percent
Minor components: 15 percent

Component Descriptions
Els
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy eolian deposits over sandy alluvium
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.1 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Negligible
Ecological site: Subirrigated
Land capability (irrigated): 4w
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 6 inches; fine sand
H2—6 to 35 inches; fine sand
H3—35 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 12 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Marlake
Composition: About 3 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

EfB—Els-Ipage fine sands, 0 to 3 percent slopes

Map Unit Composition

Els: 60 percent
Ipage: 30 percent
Minor components: 10 percent

Component Descriptions
Els
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy eolian deposits over sandy alluvium
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.1 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Negligible
Ecological site: Subirrigated
Land capability (irrigated): 4w
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; fine sand
H2—5 to 42 inches; fine sand
H3—42 to 60 inches; fine sand

Ipage
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Eolian sands over sandy alluvium
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 36 to 60 inches
Runoff class: Negligible
Ecological site: Sandy Lowland 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 4 inches; fine sand
H2—4 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 10 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Eh—Els-Tryon complex, 0 to 2 percent slopes

Map Unit Composition

Els: 50 percent
Tryon: 45 percent
Minor components: 5 percent

Component Descriptions
Els
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Sandy eolian deposits over sandy alluvium
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 3.9 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Negligible
Ecological site: Subirrigated
Land capability (irrigated): 4w
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 6 inches; fine sand
H2—6 to 18 inches; fine sand
H3—18 to 60 inches; fine sand

Tryon
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy eolian deposits over sandy alluvium
Slope: 0 to 1 percent
Drainage class: Poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.3 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 18 inches
Runoff class: Negligible
Ecological site: Wet Subirrigated
Land capability (nonirrigated): 5w

Typical Profile:
H1—0 to 4 inches; loamy fine sand
H2—4 to 60 inches; fine sand

Minor Components
Marlake
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Em—Els, Calcareous-Hoffland complex, 0 to 2 percent slopes

Map Unit Composition

Els: 50 percent
Hoffland: 45 percent
Minor components: 5 percent

Component Descriptions
Els
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills

Parent material: Sandy eolian deposits over sandy alluvium
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Negligible
Ecological site: Subirrigated
Land capability (irrigated): 4w
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 9 inches; fine sand
H2—9 to 37 inches; fine sand
H3—37 to 60 inches; fine sand

Hoffland
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy alluvium
Slope: 0 to 1 percent
Drainage class: Poorly drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Low (About 6.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 18 inches
Runoff class: Negligible
Ecological site: Wet Subirrigated
Land capability (nonirrigated): 5w

Typical Profile:
0 to 1 inches; slightly decomposed plant material
H1—1 to 10 inches; fine sandy loam
H2—10 to 33 inches; fine sand
H3—33 to 60 inches; fine sand

Minor Components
Marlake
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

En—Els, Calcareous-Selia fine sands, 0 to 2 percent slopes

Map Unit Composition

Els, Calcareous: 50 percent
Selia: 45 percent
Minor components: 5 percent

Component Descriptions
Els, Calcareous
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Sandy eolian deposits over sandy alluvium
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Negligible
Ecological site: Subirrigated
Land capability (irrigated): 4w
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; fine sand
H2—5 to 40 inches; fine sand
H3—40 to 60 inches; fine sand

Selia
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy alluvium or eolian sands
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Slow (About 0.06 in/hr)
Available water capacity: Low (About 5.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 30 inches
Runoff class: Medium
Ecological site: Saline Subirrigated 14-22" P.z.
Land capability (nonirrigated): 6s

Typical Profile:
H1—0 to 6 inches; fine sand
H2—6 to 14 inches; loamy fine sand
H3—14 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Es—Elsmere loamy fine sand, 0 to 2 percent slopes

Map Unit Composition

Elsmere: 85 percent
Minor components: 15 percent

Component Descriptions
Elsmere
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy alluvium and/or eolian sands
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.1 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Negligible
Ecological site: Subirrigated
Land capability (irrigated): 4w
Land capability (nonirrigated): 4w

Typical Profile:
H1—0 to 8 inches; loamy fine sand
H2—8 to 15 inches; loamy fine sand
H3—15 to 60 inches; fine sand

Minor Components
Loup
Composition: About 13 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Marlake
Composition: About 2 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Et—Elsmere loamy fine sand, Calcareous, 0 to 2 percent slopes

Map Unit Composition

Elsmere: 85 percent
Minor components: 15 percent

Component Descriptions
Elsmere
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy alluvium and/or eolian sands
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.1 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Negligible
Ecological site: Subirrigated
Land capability (irrigated): 4w
Land capability (nonirrigated): 4w

Typical Profile:
H1—0 to 8 inches; loamy fine sand
H2—8 to 14 inches; loamy fine sand
H3—14 to 60 inches; fine sand

Minor Components
Hoffland
Composition: About 12 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Marlake
Composition: About 3 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Ew—Elsmere-Loup complex, 0 to 2 percent slopes

Map Unit Composition

Elsmere: 50 percent
Loup: 45 percent
Minor components: 5 percent

Component Descriptions
Elsmere
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Sandy alluvium and/or eolian sands
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)

Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Negligible
Ecological site: Subirrigated
Land capability (irrigated): 4w
Land capability (nonirrigated): 4w

Typical Profile:
H1—0 to 16 inches; loamy fine sand
H2—16 to 27 inches; fine sand
H3—27 to 60 inches; fine sand

Loup
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy alluvium
Slope: 0 to 1 percent
Drainage class: Poorly drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Low (About 4.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 18 inches
Runoff class: Negligible
Ecological site: Wet Subirrigated
Land capability (nonirrigated): 5w

Typical Profile:
H1—0 to 7 inches; fine sandy loam
H2—7 to 60 inches; fine sand

Minor Components
Marlake
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

FbC—Fishberry fine sandy loam, 0 to 6 percent slopes

Map Unit Composition

Fishberry: 90 percent
Minor components: 10 percent

Component Descriptions
Fishberry
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Sandy residuum weathered from calcareous sandstone
Slope: 0 to 6 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Excessively drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Very low (About 1.4 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Medium
Ecological site: Shallow Limy - Veg. Zone 2
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 4 inches; fine sandy loam
H2—4 to 15 inches; gravelly loamy fine sand
H3—15 to 60 inches; unweathered bedrock

Minor Components
Holt
Composition: About 6 percent
Slope: 0 to 2 percent
Depth to restrictive feature: 20 to 36 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

Duda
Composition: About 4 percent
Landform: hill on tableland
Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to bedrock (paralithic)
Drainage class: Somewhat excessively drained
Ecological site: Sandy - Veg. Zone 2

FcF—Fishberry-Duda loamy fine sands, 6 to 30 percent slopes

Map Unit Composition

Fishberry: 55 percent
Duda: 35 percent
Minor components: 10 percent

Component Descriptions
Fishberry
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland

Parent material: Sandy residuum weathered from calcareous sandstone
Slope: 6 to 30 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Very low (About 1.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: High
Ecological site: Shallow Limy - Veg. Zone 2
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; loamy fine sand
H2—5 to 12 inches; gravelly loamy fine sand
H3—12 to 60 inches; unweathered bedrock

Duda
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Sandy eolian deposits derived from sandstone
Slope: 6 to 15 percent
Depth to restrictive feature: 20 to 40 inches to bedrock (paralithic)
Drainage class: Somewhat excessively drained
Slowest permeability: Moderately rapid (About 1.98 in/hr)
Available water capacity: Very low (About 2.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy - Veg. Zone 2
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 4 inches; loamy fine sand
H2—4 to 24 inches; loamy fine sand
H3—24 to 60 inches; weathered bedrock

Minor Components
Valentine
Composition: About 10 percent
Slope: 3 to 9 percent
Drainage class: Excessively drained
Ecological site: Sands 17-22" P.z.

FdG—Fishberry-Rock outcrop complex, 20 to 60 percent slopes

Map Unit Composition

Fishberry: 60 percent
Rock outcrop: 35 percent
Minor components: 5 percent

Component Descriptions
Fishberry
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Valley side on river valley
Parent material: Sandy residuum weathered from calcareous sandstone
Slope: 20 to 60 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Very low (About 1.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very high
Ecological site: Shallow Limy - Veg. Zone 2
Land capability (nonirrigated): 7e

Typical Profile:
H1—0 to 5 inches; loamy fine sand
H2—5 to 12 inches; gravelly loamy fine sand
H3—12 to 60 inches; unweathered bedrock

Rock outcrop
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Valley side on river valley, hill on tableland
Hillslope position: Shoulder
Slope: 20 to 60 percent
Depth to restrictive feature: 0 inches to bedrock (paralithic)
Available water capacity: Very low (About 0.0 inches)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very high
Ecological site: No Site - Veg. Zone 2
Land capability (nonirrigated): 8s

Minor Components
Mckelvie
Composition: About 5 percent
Landform: valley side on river valley

Slope: 9 to 30 percent
Drainage class: Excessively drained
Ecological site: Sands - Veg. Zone 2

Fe—Fluvaquents, sandy, 0 to 1 percent slopes

Map Unit Composition

Fluvaquents, Sandy: 85 percent
Minor components: 15 percent

Component Descriptions
Fluvaquents, Sandy
MLRA: 65 - Nebraska Sand Hills
Landform: Flood plain on river valley
Parent material: Sandy alluvium
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: Frequent
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: No Site - Veg. Zone 2
Land capability (nonirrigated): 8w

Typical Profile:
0 to 2 inches; slightly decomposed plant material
H1—2 to 60 inches; sand

Minor Components
Almeria
Composition: About 10 percent
Slope: 0 to 2 percent
Drainage class: Very poorly drained
Ecological site: Wet Land

Riverwash
Composition: About 5 percent
Slope: 0 to 3 percent
Drainage class: Very poorly drained

Ga—Gannett loam, 0 to 1 percent slopes

Map Unit Composition

Gannett: 90 percent
Minor components: 10 percent

Component Descriptions
Gannett
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Loamy and sandy alluvium
Slope: 0 to 1 percent
Drainage class: Poorly drained
Slowest permeability: Moderate (About 0.60 in/hr)
Available water capacity: Moderate (About 6.0 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 18 inches
Runoff class: Negligible
Ecological site: Wet Subirrigated
Land capability (nonirrigated): 5w

Typical Profile:
H1—0 to 10 inches; loam
H2—10 to 22 inches; loam
H3—22 to 60 inches; fine sand

Minor Components
Elsmere
Composition: About 9 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

Marlake
Composition: About 1 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Gb—Gannett loam, Wet, 0 to 1 percent slopes

Map Unit Composition

Gannett: 90 percent
Minor components: 10 percent

Component Descriptions
Gannett
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Loamy and sandy alluvium
Slope: 0 to 1 percent

Drainage class: Very poorly drained
Slowest permeability: Moderate (About 0.60 in/hr)
Available water capacity: Moderate (About 6.7 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: Wet Land
Land capability (nonirrigated): 5w

Typical Profile:
0 to 2 inches; mucky peat
H1—2 to 10 inches; loam
H2—10 to 32 inches; loam
H3—32 to 60 inches; fine sand

Minor Components
Marlake
Composition: About 7 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Cutcomb
Composition: About 3 percent
Slope: 0 to 2 percent
Drainage class: Very poorly drained
Ecological site: Wet Land

Gc—Gus clay loam, 0 to 1 percent slopes

Map Unit Composition

Gus: 85 percent
Minor components: 15 percent

Component Descriptions
Gus
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Loamy alluvium
Slope: 0 to 1 percent
Drainage class: Poorly drained
Slowest permeability: Moderate (About 0.60 in/hr)
Available water capacity: High (About 10.5 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 18 inches
Runoff class: Negligible
Ecological site: Wet Subirrigated
Land capability (nonirrigated): 5w

Typical Profile:
0 to 1 inches; slightly decomposed plant material
H1—1 to 6 inches; clay loam
H2—6 to 28 inches; sandy clay loam
H3—28 to 60 inches; sandy clay loam

Minor Components
Cutcomb
Composition: About 10 percent
Slope: 0 to 2 percent
Drainage class: Very poorly drained
Ecological site: Wet Land

Elsmere
Composition: About 5 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

Gf—Gus clay loam, Wet, 0 to 1 percent slopes

Map Unit Composition

Gus: 85 percent
Minor components: 15 percent

Component Descriptions
Gus
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Loamy alluvium
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Slowest permeability: Moderate (About 0.60 in/hr)
Available water capacity: High (About 10.7 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: Wet Land
Land capability (nonirrigated): 5w

Typical Profile:

H1—0 to 3 inches; clay loam
H2—3 to 34 inches; loam
H3—34 to 60 inches; loam

Minor Components
Cutcomb
Composition: About 10 percent
Slope: 0 to 2 percent
Drainage class: Very poorly drained
Ecological site: Wet Land

Marlake
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

He—Hennings fine sandy loam, 0 to 2 percent slopes

Map Unit Composition

Hennings: 85 percent
Minor components: 15 percent

Component Descriptions
Hennings
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Plain on tableland
Parent material: Loamy residuum over soft calcareous sandstone
Slope: 0 to 2 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 6.7 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Silty - Veg. Zone 2
Land capability (irrigated): 2e
Land capability (nonirrigated): 2e

Typical Profile:
H1—0 to 7 inches; fine sandy loam
H2—7 to 27 inches; sandy clay loam
H3—27 to 36 inches; fine sandy loam
H4—36 to 55 inches; loamy fine sand
H5—55 to 60 inches; weathered bedrock

Minor Components
Anselmo
Composition: About 10 percent
Slope: 0 to 2 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Sandose
Composition: About 5 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

HeC—Hennings fine sandy loam, 2 to 6 percent slopes

Map Unit Composition

Hennings: 85 percent
Minor components: 15 percent

Component Descriptions
Hennings
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Loamy residuum over soft calcareous sandstone
Slope: 2 to 6 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 6.7 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Medium
Ecological site: Silty - Veg. Zone 2
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 7 inches; fine sandy loam
H2—7 to 27 inches; sandy clay loam
H3—27 to 36 inches; fine sandy loam
H4—36 to 55 inches; loamy fine sand
H5—55 to 60 inches; weathered bedrock

Minor Components
Sandose
Composition: About 11 percent
Landform: hill on tableland
Slope: 0 to 3 percent

Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Keya
Composition: About 4 percent
Slope: 0 to 2 percent
Drainage class: Well drained
Ecological site: Silty - Veg. Zone 2

HeD—Hennings fine sandy loam, 6 to 11 percent slopes

Map Unit Composition

Hennings: 85 percent
Minor components: 15 percent

Component Descriptions
Hennings
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Loamy residuum over soft calcareous sandstone
Slope: 6 to 11 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 6.7 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Medium
Ecological site: Silty - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 7 inches; fine sandy loam
H2—7 to 27 inches; sandy clay loam
H3—27 to 36 inches; fine sandy loam
H4—36 to 55 inches; loamy fine sand
H5—55 to 60 inches; weathered bedrock

Minor Components
Sandose
Composition: About 9 percent
Landform: hill on tableland
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

Longpine
Composition: About 6 percent
Landform: hill on tableland
Slope: 9 to 30 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Shallow Limy - Veg. Zone 2

HgE—Hennings-Anselmo fine sandy loams, 11 to 20 percent slopes

Map Unit Composition

Hennings: 55 percent
Anselmo: 40 percent
Minor components: 5 percent

Component Descriptions
Hennings
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Loamy residuum over soft calcareous sandstone
Slope: 11 to 20 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Low (About 5.4 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Medium
Ecological site: Silty - Veg. Zone 2
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 8 inches; fine sandy loam
H2—8 to 22 inches; sandy clay loam
H3—22 to 26 inches; loam
H4—26 to 42 inches; loamy fine sand
H5—42 to 60 inches; weathered bedrock

Anselmo
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Loamy eolian deposits
Slope: 11 to 17 percent

Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 6.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy - Veg. Zone 2
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 10 inches; fine sandy loam
H2—10 to 18 inches; fine sandy loam
H3—18 to 26 inches; fine sandy loam
H4—26 to 60 inches; fine sandy loam

Minor Components
Longpine
Composition: About 5 percent
Landform: hill on tableland
Slope: 9 to 30 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Shallow Limy - Veg. Zone 2

Hr—Hoffland fine sandy loam, 0 to 1 percent slopes

Map Unit Composition

Hoffland: 85 percent
Minor components: 15 percent

Component Descriptions
Hoffland
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Loamy and sandy alluvium
Slope: 0 to 1 percent
Drainage class: Poorly drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Moderate (About 6.1 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 18 inches
Runoff class: Negligible
Ecological site: Wet Subirrigated
Land capability (nonirrigated): 5w

Typical Profile:
H1—0 to 9 inches; fine sandy loam
H2—9 to 30 inches; fine sand
H3—30 to 60 inches; fine sand

Minor Components
Elsmere
Composition: About 10 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

Marlake
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Hs—Hoffland fine sandy loam, Wet, 0 to 1 percent slopes

Map Unit Composition

Hoffland: 85 percent
Minor components: 15 percent

Component Descriptions
Hoffland
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Loamy and sandy alluvium
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Low (About 6.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: Wet Land
Land capability (nonirrigated): 5w

Typical Profile:
0 to 2 inches; slightly decomposed plant material
H1—2 to 11 inches; fine sandy loam
H2—11 to 22 inches; loamy fine sand
H3—22 to 60 inches; fine sand

Minor Components
Marlake
Composition: About 10 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Cullison
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Ecological site: Wet Land

Ht—Holt fine sandy loam, 0 to 2 percent slopes

Map Unit Composition

Holt: 85 percent
Minor components: 15 percent

Component Descriptions
Holt
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Plain on tableland
Parent material: Loamy residuum weathered from calcareous sandstone
Slope: 0 to 2 percent
Depth to restrictive feature: 20 to 36 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Low (About 4.1 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 16 inches; fine sandy loam
H2—16 to 27 inches; fine sandy loam
H3—27 to 36 inches; fine sandy loam
H4—36 to 60 inches; weathered bedrock

Minor Components
Anselmo
Composition: About 8 percent
Slope: 0 to 2 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Longpine
Composition: About 7 percent
Slope: 2 to 6 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Shallow Limy - Veg. Zone 2

HuC—Holt-Longpine fine sandy loams, 2 to 6 percent slopes

Map Unit Composition

Holt: 55 percent
Longpine: 30 percent
Minor components: 15 percent

Component Descriptions
Holt
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Loamy residuum weathered from calcareous sandstone
Slope: 2 to 6 percent
Depth to restrictive feature: 20 to 36 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Low (About 3.9 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 10 inches; fine sandy loam
H2—10 to 21 inches; fine sandy loam
H3—21 to 30 inches; loamy fine sand
H4—30 to 60 inches; weathered bedrock

Longpine
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Calcareous loamy residuum weathered from sandstone
Slope: 2 to 6 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Very low (About 1.9 inches)
Shrink-swell potential: Low (About 1.5 LEP)

Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Medium
Ecological site: Shallow Limy - Veg. Zone 2
Land capability (nonirrigated): 6s

Typical Profile:
H1—0 to 5 inches; fine sandy loam
H2—5 to 16 inches; gravelly fine sandy loam
H3—16 to 60 inches; weathered bedrock

Minor Components
Anselmo
Composition: About 15 percent
Landform: hill on tableland
plain on tableland
Slope: 2 to 6 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

HuD—Holt-Longpine fine sandy loams, 6 to 9 percent slopes

Map Unit Composition

Holt: 50 percent
Longpine: 35 percent
Minor components: 15 percent

Component Descriptions
Holt
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Loamy residuum weathered from calcareous sandstone
Slope: 6 to 9 percent
Depth to restrictive feature: 20 to 36 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Low (About 3.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 7 inches; fine sandy loam
H2—7 to 19 inches; fine sandy loam
H3—19 to 30 inches; fine sandy loam
H4—30 to 60 inches; weathered bedrock

Longpine
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Calcareous loamy residuum weathered from sandstone
Slope: 6 to 9 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Very low (About 1.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: High
Ecological site: Shallow Limy - Veg. Zone 2
Land capability (nonirrigated): 6s

Typical Profile:
H1—0 to 7 inches; fine sandy loam
H2—7 to 13 inches; gravelly fine sandy loam
H3—13 to 60 inches; weathered bedrock

Minor Components
Anselmo
Composition: About 15 percent
Slope: 6 to 11 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

HyC—Holt-Vetal fine sandy loams, 0 to 6 percent slopes

Map Unit Composition

Holt: 60 percent
Vetal: 35 percent
Minor components: 5 percent

Component Descriptions
Holt
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Loamy residuum weathered from calcareous sandstone
Slope: 2 to 6 percent

Depth to restrictive feature: 20 to 36 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Low (About 3.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 7 inches; fine sandy loam
H2—7 to 20 inches; fine sandy loam
H3—20 to 27 inches; fine sandy loam
H4—27 to 60 inches; weathered bedrock

Vetal
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Swale on plain on tableland
Parent material: Loamy alluvium over eolian deposits
Slope: 0 to 2 percent
Drainage class: Well drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Moderate (About 7.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 2e
Land capability (nonirrigated): 2e

Typical Profile:
H1—0 to 6 inches; fine sandy loam
H2—6 to 40 inches; fine sandy loam
H3—40 to 50 inches; fine sandy loam
H4—50 to 60 inches; loamy fine sand

Minor Components
Keya
Composition: About 5 percent
Slope: 0 to 2 percent
Drainage class: Well drained
Ecological site: Silty - Veg. Zone 2

Ic—Calamus fine sand, Calcareous, 0 to 2 percent slopes

Map Unit Composition

Calamus: 90 percent
Minor components: 10 percent

Component Descriptions
Calamus
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Flood plain on river valley
Parent material: Sandy alluvium
Slope: 0 to 2 percent
Drainage class: Moderately well drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Moderate (About 6.6 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 36 to 72 inches
Runoff class: Negligible
Ecological site: Sandy Lowland - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 4 inches; fine sand
H2—4 to 30 inches; fine sand
H3—30 to 60 inches; stratified sand to loamy fine sand

Minor Components
Almeria
Composition: About 7 percent
Slope: 0 to 2 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Fluvaquents, Sandy
Composition: About 3 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Id—Calamus loamy fine sand, Calcareous, 0 to 2 percent slopes

Map Unit Composition

Calamus: 90 percent
Minor components: 10 percent

Component Descriptions
Calamus
MLRA: 66 - Dakota-Nebraska Eroded Tableland

Landform: Flood plain on river valley
Parent material: Sandy alluvium
Slope: 0 to 2 percent
Drainage class: Moderately well drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Moderate (About 6.9 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 36 to 72 inches
Runoff class: Negligible
Ecological site: Sandy Lowland - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 9 inches; loamy fine sand
H2—9 to 38 inches; fine sand
H3—38 to 60 inches; stratified fine sand to sand

Minor Components
Bolent
Composition: About 8 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

Almeria
Composition: About 2 percent
Slope: 0 to 2 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

IgB—Ipage fine sand, 0 to 3 percent slopes

Map Unit Composition

Ipage: 85 percent
Minor components: 15 percent

Component Descriptions
Ipage
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Eolian sands over sandy alluvium
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 36 to 60 inches
Runoff class: Negligible
Ecological site: Sandy Lowland 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 9 inches; fine sand
H2—9 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 11 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Marlake
Composition: About 4 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

IhB—Ipage fine sand, Calcareous, 0 to 3 percent slopes

Map Unit Composition

Ipage: 85 percent
Minor components: 15 percent

Component Descriptions
Ipage
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Eolian sands over sandy alluvium
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 36 to 60 inches
Runoff class: Negligible
Ecological site: Sandy Lowland 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 8 inches; fine sand
H2—8 to 60 inches; fine sand

Minor Components

Wildhorse
Composition: About 13 percent
Slope: 0 to 3 percent
Drainage class: Somewhat poorly drained
Ecological site: Saline Subirrigated 14-22" P.z.

Hoffland
Composition: About 2 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

IpB—Ipage loamy fine sand, 0 to 3 percent slopes

Map Unit Composition

Ipage: 85 percent
Minor components: 15 percent
Component Descriptions
Ipage
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Eolian sands over sandy alluvium
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.6 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 36 to 60 inches
Runoff class: Negligible
Ecological site: Sandy Lowland 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 11 inches; loamy fine sand
H2—11 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 11 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Marlake
Composition: About 4 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

ItB—Ipage-Tryon complex, 0 to 3 percent slopes

Map Unit Composition

Ipage: 65 percent
Tryon: 30 percent
Minor components: 5 percent

Component Descriptions
Ipage
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Eolian sands over sandy alluvium
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 36 to 60 inches
Runoff class: Negligible
Ecological site: Sandy Lowland 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 8 inches; fine sand
H2—8 to 60 inches; fine sand

Tryon
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy eolian deposits over sandy alluvium
Slope: 0 to 1 percent
Drainage class: Poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.4 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 18 inches
Runoff class: Negligible
Ecological site: Wet Subirrigated
Land capability (nonirrigated): 5w

Typical Profile:
H1—0 to 6 inches; loamy fine sand
H2—6 to 60 inches; fine sand

Minor Components
Marlake

Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Jn—Jansen fine sandy loam, 0 to 2 percent slopes

Map Unit Composition

Jansen: 85 percent
Minor components: 15 percent

Component Descriptions
Jansen
MLRA: 65 - Nebraska Sand Hills
Landform: Plain on tableland
Parent material: Loamy alluvium over sandy and gravelly alluvium
Slope: 0 to 2 percent
Drainage class: Well drained
Slowest permeability: Moderate (About 0.60 in/hr)
Available water capacity: Moderate (About 6.6 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 2e
Land capability (nonirrigated): 2e

Typical Profile:
H1—0 to 6 inches; fine sandy loam
H2—6 to 35 inches; loam
H3—35 to 60 inches; gravelly coarse sand

Minor Components
Sandose
Composition: About 9 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Meadin
Composition: About 6 percent
Slope: 0 to 3 percent
Drainage class: Excessively drained
Ecological site: Shallow To Gravel 17-25" P.z.

Ke—Keya loam, 0 to 2 percent slopes

Map Unit Composition

Keya: 90 percent
Minor components: 10 percent

Component Descriptions
Keya
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Swale on plain on tableland
Parent material: Loamy pedisediments
Slope: 0 to 2 percent
Drainage class: Well drained
Slowest permeability: Moderate (About 0.60 in/hr)
Available water capacity: High (About 10.7 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Silty - Veg. Zone 2
Land capability (irrigated): 1
Land capability (nonirrigated): 2c

Typical Profile:
H1—0 to 22 inches; loam
H2—22 to 42 inches; clay loam
H3—42 to 60 inches; loam

Minor Components
Lodgepole
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Somewhat poorly drained
Ecological site: Clayey Overflow - Veg. Zone 2

Vetal
Composition: About 5 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

LfB—Libory loamy fine sand, 0 to 3 percent slopes

Map Unit Composition

Libory: 85 percent
Minor components: 15 percent

Component Descriptions
Libory
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Eolian sand over loamy alluvium
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Slowest permeability: Moderate (About 0.60 in/hr)
Available water capacity: High (About 9.5 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Very low
Ecological site: Sandy Lowland 17-22" P.z.
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 10 inches; loamy fine sand
H2—10 to 22 inches; fine sand
H3—22 to 60 inches; very fine sandy loam

Minor Components
Doughboy
Composition: About 8 percent
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Ecological site: Sandy Lowland 17-22" P.z.

Gannett
Composition: About 7 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Lh—Lodgepole silt loam, 0 to 1 percent slopes

Map Unit Composition

Lodgepole: 90 percent
Minor components: 10 percent

Component Descriptions
Lodgepole
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Playa on upland
Parent material: Loamy pedisediments
Slope: 0 to 1 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Very slow (About 0.00 in/hr)
Available water capacity: High (About 11.1 inches)
Shrink-swell potential: High (About 7.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: Clayey Overflow - Veg. Zone 2
Land capability (irrigated): 4w
Land capability (nonirrigated): 3w

Typical Profile:
H1—0 to 6 inches; silt loam
H2—6 to 41 inches; silty clay
H3—41 to 60 inches; silt loam

Minor Components
Keya
Composition: About 10 percent
Slope: 0 to 2 percent
Drainage class: Well drained
Ecological site: Silty - Veg. Zone 2

Lo—Loup fine sandy loam, 0 to 1 percent slopes

Map Unit Composition

Loup: 90 percent
Minor components: 10 percent

Component Descriptions
Loup
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy alluvium
Slope: 0 to 1 percent
Drainage class: Poorly drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Low (About 4.9 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 18 inches
Runoff class: Negligible
Ecological site: Wet Subirrigated
Land capability (nonirrigated): 5w

Typical Profile:

H1—0 to 8 inches; fine sandy loam
H2—8 to 60 inches; fine sand

Minor Components
Elsmere
Composition: About 5 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Sandy 17-22" P.z.

Marlake
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Lp—Loup fine sandy loam, Wet, 0 to 1 percent slopes

Map Unit Composition

Loup: 90 percent
Minor components: 10 percent

Component Descriptions
Loup
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy alluvium
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Low (About 5.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: Wet Land
Land capability (nonirrigated): 5w

Typical Profile:
0 to 3 inches; slightly decomposed plant material
H1—3 to 14 inches; fine sandy loam
H2—14 to 60 inches; fine sand

Minor Components
Gus
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Ecological site: Wet Land

Marlake
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Ma—Marlake fine sandy loam, 0 to 1 percent slopes

Map Unit Composition

Marlake: 85 percent
Minor components: 15 percent
Component Descriptions
Marlake
MLRA: 65 - Nebraska Sand Hills
Landform: Depression on interdune on sandhills
Parent material: Sandy eolian deposits over alluvium
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.4 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: No Site - Veg. Zone 2
Land capability (nonirrigated): 8w

Typical Profile:
0 to 2 inches; muck
H1—2 to 9 inches; fine sandy loam
H2—9 to 16 inches; loamy fine sand
H3—16 to 60 inches; sand

Minor Components
Tryon
Composition: About 8 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Ecological site: Wet Land

Gannett
Composition: About 7 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Ecological site: Wet Land

McB—Mckelvie loamy fine sand, 0 to 3 percent slopes

Map Unit Composition

Mckelvie: 90 percent
Minor components: 10 percent

Component Descriptions
Mckelvie
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Valley side on river valley
Parent material: Sandy residuum weathered from sandstone
Slope: 0 to 3 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Negligible
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 6 inches; loamy fine sand
H2—6 to 36 inches; fine sand
H3—36 to 60 inches; sand

Minor Components
Duda
Composition: About 5 percent
Landform: valley side on river valley
Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to bedrock (paralithic)
Drainage class: Somewhat excessively drained
Ecological site: Sandy - Veg. Zone 2

Inglewood
Composition: About 5 percent
Slope: 0 to 2 percent
Drainage class: Moderately well drained
Ecological site: Sandy Lowland - Veg. Zone 2

McD—Mckelvie loamy fine sand, 3 to 9 percent slopes

Map Unit Composition

Mckelvie: 90 percent
Minor components: 10 percent

Component Descriptions
Mckelvie
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Valley side on river valley
Parent material: Sandy residuum weathered from sandstone
Slope: 3 to 9 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 6 inches; loamy fine sand
H2—6 to 36 inches; fine sand
H3—36 to 60 inches; sand

Minor Components
Anselmo
Composition: About 7 percent
Landform: valley side on river valley
Slope: 3 to 6 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Rock outcrop
Composition: About 3 percent
Landform: valley side on river valley
Slope: 9 to 60 percent
Depth to restrictive feature: 0 inches to bedrock (paralithic)
Ecological site: No Site - Veg. Zone 2

McF—Mckelvie loamy fine sand, 9 to 30 percent slopes

Map Unit Composition

Mckelvie: 90 percent
Minor components: 10 percent

Component Descriptions
Mckelvie
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Valley side on river valley
Parent material: Sandy residuum weathered from sandstone
Slope: 9 to 30 percent
Drainage class: Excessively drained

Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sands - Veg. Zone 2
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 6 inches; loamy fine sand
H2—6 to 36 inches; fine sand
H3—36 to 60 inches; sand

Minor Components
Fishberry
Composition: About 7 percent
Landform: valley side on river valley
Slope: 20 to 60 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Excessively drained
Ecological site: Shallow Limy - Veg. Zone 2

Rock outcrop
Composition: About 3 percent
Landform: valley side on river valley
Slope: 20 to 60 percent
Depth to restrictive feature: 0 inches to bedrock (paralithic)
Ecological site: No Site - Veg. Zone 2

MdF—Mckelvie-Fishberry loamy fine sands, 9 to 30 percent slopes

Map Unit Composition

Mckelvie: 60 percent
Fishberry: 35 percent
Minor components: 5 percent

Component Descriptions
Mckelvie
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Valley side on river valley
Parent material: Sandy residuum weathered from sandstone
Slope: 9 to 17 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands - Veg. Zone 2
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 6 inches; loamy fine sand
H2—6 to 36 inches; fine sand
H3—36 to 60 inches; sand

Fishberry
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Valley side on river valley
Parent material: Sandy residuum weathered from calcareous sandstone
Slope: 9 to 30 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Very low (About 1.3 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very high
Ecological site: Shallow Limy - Veg. Zone 2
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; loamy fine sand
H2—5 to 16 inches; gravelly loamy fine sand
H3—16 to 60 inches; unweathered bedrock

Minor Components
Almeria
Composition: About 5 percent
Slope: 0 to 2 percent
Drainage class: Poorly drained
Ecological site: Sandy 17-22" P.z.

MeG—Mckelvie-Fishberry-Rock outcrop complex, 11 to 60 percent slopes

Map Unit Composition

Mckelvie: 65 percent
Fishberry: 20 percent
Minor components: 15 percent

Component Descriptions
Mckelvie
MLRA: 66 - Dakota-Nebraska Eroded Tableland

Landform: Valley side on river valley
Parent material: Sandy residuum weathered from sandstone
Slope: 11 to 60 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Savannah - Veg. Zone 2
Land capability (nonirrigated): 7e

Typical Profile:
H1—0 to 6 inches; loamy fine sand
H2—6 to 36 inches; fine sand
H3—36 to 60 inches; sand

Fishberry
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Valley side on river valley
Parent material: Sandy residuum weathered from calcareous sandstone
Slope: 20 to 60 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Very low (About 1.3 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very high
Ecological site: Shallow Limy - Veg. Zone 2
Land capability (nonirrigated): 7e

Typical Profile:
H1—0 to 5 inches; loamy fine sand
H2—5 to 15 inches; gravelly loamy fine sand
H3—15 to 60 inches; unweathered bedrock

Minor Components
Rock outcrop
Composition: About 15 percent
Slope: 20 to 60 percent
Depth to restrictive feature: 0 inches to bedrock (paralithic)
Ecological site: No Site - Veg. Zone 2

MfG—Mckelvie-Rock outcrop complex, 20 to 60 percent slopes

Map Unit Composition

Mckelvie: 65 percent
Rock outcrop: 30 percent
Minor components: 5 percent

Component Descriptions
Mckelvie
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Valley side on river valley
Parent material: Sandy residuum weathered from sandstone
Slope: 20 to 60 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sands - Veg. Zone 2
Land capability (nonirrigated): 7e

Typical Profile:
H1—0 to 6 inches; loamy fine sand
H2—6 to 36 inches; fine sand
H3—36 to 60 inches; sand

Rock outcrop
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Valley side on river valley
Parent material: Calcareous sandstone
Slope: 20 to 60 percent
Depth to restrictive feature: 0 inches to bedrock (paralithic)
Drainage class: Excessively drained
Available water capacity: Very low (About 0.0 inches)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very high
Ecological site: No Site - Veg. Zone 2
Land capability (nonirrigated): 8s

Typical Profile:
H1—0 to 60 inches; unweathered bedrock

Minor Components
Almeria
Composition: About 5 percent
Slope: 0 to 2 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

MgG—Mckelvie-Ustorthents complex, 20 to 60 percent slopes

Map Unit Composition

Mckelvie: 60 percent
Ustorthents: 25 percent
Minor components: 15 percent

Component Descriptions
Mckelvie
MLRA: 65 - Nebraska Sand Hills
Landform: Valley side on river valley
Parent material: Sandy residuum weathered from sandstone
Slope: 20 to 60 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sands 17-22" P.z.
Land capability (nonirrigated): 7e

Typical Profile:
H1—0 to 6 inches; fine sand
H2—6 to 36 inches; fine sand
H3—36 to 60 inches; fine sand

Ustorthents
MLRA: 65 - Nebraska Sand Hills
Landform: Valley side on river valley
Parent material: Loamy pedisediments
Slope: 20 to 60 percent
Drainage class: Well drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Moderate (About 8.9 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Medium
Ecological site: Sandy 17-22" P.z.
Land capability (nonirrigated): 7e

Typical Profile:
H1—0 to 11 inches; loamy fine sand
H2—11 to 60 inches; very fine sandy loam

Minor Components

Almeria
Composition: About 15 percent
Slope: 0 to 2 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

MxB—Meadin loamy sand, 0 to 3 percent slopes

Map Unit Composition

Meadin: 85 percent
Minor components: 15 percent

Component Descriptions
Meadin
MLRA: 65 - Nebraska Sand Hills
Landform: Plain on tableland
Parent material: Loamy alluvium over sandy and gravelly alluvium
Slope: 0 to 3 percent
Drainage class: Excessively drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Low (About 3.3 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Shallow To Gravel 17-25" P.z.
Land capability (irrigated): 4s
Land capability (nonirrigated): 6s

Typical Profile:
H1—0 to 5 inches; loamy sand
H2—5 to 14 inches; loamy sand
H3—14 to 60 inches; gravelly coarse sand

Minor Components

Pivot
Composition: About 12 percent
Slope: 0 to 3 percent
Drainage class: Somewhat excessively drained
Ecological site: Sandy 17-22" P.z.

Jansen
Composition: About 3 percent
Slope: 0 to 2 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

MxF—Meadin loamy sand, 3 to 30 percent slopes

Map Unit Composition

Meadin: 85 percent
Minor components: 15 percent

Component Descriptions
Meadin
MLRA: 65 - Nebraska Sand Hills
Landform: Valley side on river valley
Parent material: Loamy alluvium over sandy and gravelly alluvium
Slope: 3 to 30 percent
Drainage class: Excessively drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Low (About 3.1 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Shallow To Gravel 17-25" P.z.
Land capability (nonirrigated): 6s

Typical Profile:
H1—0 to 6 inches; loamy sand
H2—6 to 11 inches; sand
H3—11 to 60 inches; gravelly coarse sand

Minor Components
Simeon
Composition: About 11 percent
Landform: valley side on river valley
Slope: 0 to 3 percent
Drainage class: Excessively drained
Ecological site: Shallow To Gravel 17-25" P.z.

Pivot
Composition: About 4 percent
Landform: valley side on river valley
Slope: 0 to 3 percent
Drainage class: Somewhat excessively drained
Ecological site: Sandy 17-22" P.z.

Mz—Medihemists, 0 to 2 percent slopes

Map Unit Composition

Medihemists: 85 percent
Minor components: 15 percent

Component Descriptions
Medihemists
MLRA: 65 - Nebraska Sand Hills
Landform: Fen on sandhills
Parent material: Herbaceous organic material
Slope: 0 to 2 percent
Drainage class: Very poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Very high (About 20.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: No Site - Veg. Zone 2
Land capability (nonirrigated): 8w

Typical Profile:
H1—0 to 8 inches; mucky peat
H2—8 to 27 inches; mucky peat
H3—27 to 36 inches; fine sand
H4—36 to 60 inches; muck

Minor Components
Cutcomb
Composition: About 10 percent
Slope: 0 to 2 percent
Drainage class: Very poorly drained
Ecological site: Wet Land

Gus
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Ecological site: Wet Land

NeB—Nenzel loamy fine sand, 0 to 3 percent slopes

Map Unit Composition

Nenzel: 90 percent
Minor components: 10 percent

Component Descriptions
Nenzel
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Eolian sand and sandy alluvium
Slope: 0 to 3 percent
Drainage class: Moderately well drained

Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.4 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 36 to 60 inches
Runoff class: Negligible
Ecological site: Sandy Lowland 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 18 inches; loamy fine sand
H2—18 to 33 inches; loamy fine sand
H3—33 to 60 inches; fine sand

Minor Components
Loup
Composition: About 7 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Marlake
Composition: About 3 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

NfB—Nenzel loamy fine sand, Calcareous, 0 to 3 percent slopes

Map Unit Composition

Nenzel: 90 percent
Minor components: 10 percent

Component Descriptions
Nenzel
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Eolian sand and sandy alluvium
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 36 to 60 inches
Runoff class: Negligible
Ecological site: Sandy Lowland 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 14 inches; loamy fine sand
H2—14 to 21 inches; loamy fine sand
H3—21 to 60 inches; fine sand

Minor Components
Hoffland
Composition: About 7 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Marlake
Composition: About 3 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Or—Ord loam, 0 to 2 percent slopes

Map Unit Composition

Ord: 85 percent
Minor components: 15 percent

Component Descriptions
Ord
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Stratified sandy alluvium
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Moderate (About 0.60 in/hr)
Available water capacity: Moderate (About 6.9 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Low
Ecological site: Subirrigated
Land capability (irrigated): 3w
Land capability (nonirrigated): 3w

Typical Profile:
H1—0 to 14 inches; loam
H2—14 to 34 inches; fine sandy loam
H3—34 to 60 inches; fine sand

Minor Components
Crowther
Composition: About 10 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained

Ecological site: Wet Subirrigated

Elsmere
Composition: About 5 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

OsD—Orpha loamy fine sand, 3 to 9 percent slopes

Map Unit Composition

Orpha: 90 percent
Minor components: 10 percent

Component Descriptions
Orpha
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Valley side on river valley
Parent material: Eolian sands and residuum weathered from sandstone
Slope: 3 to 9 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.4 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; loamy fine sand
H2—5 to 44 inches; fine sand
H3—44 to 60 inches; fine sand

Minor Components
Busher
Composition: About 10 percent
Landform: valley side on river valley
Slope: 6 to 9 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

OtF—Orpha-Niobrara loamy fine sands, 9 to 30 percent slopes

Map Unit Composition

Orpha: 60 percent
Niobrara: 35 percent
Minor components: 5 percent

Component Descriptions
Orpha
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Valley side on river valley
Parent material: Eolian sands and residuum weathered from sandstone
Slope: 9 to 30 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 3.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sands - Veg. Zone 2
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 8 inches; loamy fine sand
H2—8 to 14 inches; loamy fine sand
H3—14 to 60 inches; sand

Niobrara
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Valley side on river valley
Parent material: Sandy residuum weathered from sandstone
Slope: 9 to 30 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Very low (About 1.3 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very high
Ecological site: Shallow Limy - Veg. Zone 2
Land capability (nonirrigated): 6s

Typical Profile:
H1—0 to 6 inches; loamy fine sand
H2—6 to 13 inches; fine sand
H3—13 to 60 inches; unweathered bedrock

Minor Components
Almeria
Composition: About 5 percent
Slope: 0 to 2 percent

Drainage class: Poorly drained
Ecological site: Wet Subirrigated

OxG—Orpha-Rock outcrop complex, 20 to 60 percent slopes

Map Unit Composition

Orpha: 65 percent
Rock outcrop: 30 percent
Minor components: 5 percent

Component Descriptions
Orpha
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Valley side on river valley
Parent material: Eolian sands and residuum weathered from sandstone
Slope: 20 to 45 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.1 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sands - Veg. Zone 2
Land capability (nonirrigated): 7e

Typical Profile:
H1—0 to 6 inches; loamy fine sand
H2—6 to 26 inches; fine sand
H3—26 to 60 inches; sand

Rock outcrop
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Valley side on river valley
Parent material: Calcareous sandstone
Slope: 20 to 60 percent
Depth to restrictive feature: 0 inches to bedrock (paralithic)
Drainage class: Excessively drained
Available water capacity: Very low (About 0.0 inches)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very high
Ecological site: No Site - Veg. Zone 2
Land capability (nonirrigated): 8s

Typical Profile:
H1—0 to 60 inches; unweathered bedrock

Minor Components
Almeria
Composition: About 5 percent
Slope: 0 to 2 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

PtB—Pivot loamy fine sand, 0 to 3 percent slopes

Map Unit Composition
Pivot: 85 percent
Minor components: 15 percent

Component Descriptions
Pivot
MLRA: 65 - Nebraska Sand Hills
Landform: Plain on tableland
Parent material: Sandy eolian deposits over gravelly alluvium
Slope: 0 to 3 percent
Drainage class: Somewhat excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 3.3 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Negligible
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 3e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 5 inches; loamy fine sand
H2—5 to 11 inches; loamy fine sand
H3—11 to 28 inches; fine sand
H4—28 to 60 inches; gravelly coarse sand

Minor Components
Meadin
Composition: About 12 percent
Slope: 0 to 3 percent
Drainage class: Excessively drained
Ecological site: Shallow To Gravel 17-25" P.z.

Jansen
Composition: About 3 percent
Slope: 0 to 2 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

SfB—Sandose loamy fine sand, 0 to 3 percent slopes

Map Unit Composition

Sandose: 85 percent
Minor components: 15 percent

Component Descriptions
Sandose
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Plain on tableland
Parent material: Eolian sands over loamy sediments
Slope: 0 to 3 percent
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 7.6 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 10 inches; loamy fine sand
H2—10 to 32 inches; loamy fine sand
H3—32 to 48 inches; sandy clay loam
H4—48 to 60 inches; loam

Minor Components
Hennings
Composition: About 9 percent
Slope: 0 to 2 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Silty - Veg. Zone 2

Anselmo
Composition: About 6 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

ShB—Sandose-Hennings loamy fine sands, 0 to 3 percent slopes

Map Unit Composition

Sandose: 60 percent
Hennings: 30 percent
Minor components: 10 percent

Component Descriptions
Sandose
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Plain on tableland
Parent material: Eolian sands over loamy sediments
Slope: 0 to 2 percent
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 7.9 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 16 inches; loamy fine sand
H2—16 to 30 inches; loamy fine sand
H3—30 to 48 inches; loam
H4—48 to 60 inches; loam

Hennings
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Plain on tableland
Parent material: Loamy residuum over soft calcareous sandstone
Slope: 1 to 3 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Low (About 5.9 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 17 inches; loamy fine sand
H2—17 to 29 inches; sandy clay loam
H3—29 to 35 inches; fine sandy loam
H4—35 to 55 inches; loamy fine sand
H5—55 to 60 inches; weathered bedrock

Minor Components
Dunday
Composition: About 10 percent
Slope: 0 to 3 percent
Drainage class: Somewhat excessively drained
Ecological site: Sandy 17-22" P.z.

ShC—Sandose-Hennings loamy fine sands, 3 to 6 percent slopes

Map Unit Composition

Sandose: 65 percent
Hennings: 30 percent
Minor components: 5 percent

Component Descriptions
Sandose
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Eolian sands over loamy sediments
Slope: 3 to 6 percent
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 7.9 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 3e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 16 inches; loamy fine sand
H2—16 to 30 inches; loamy fine sand
H3—30 to 48 inches; loam
H4—48 to 60 inches; loam

Hennings
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Loamy residuum over soft calcareous sandstone
Slope: 3 to 6 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Low (About 5.9 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 3e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 17 inches; loamy fine sand
H2—17 to 29 inches; sandy clay loam
H3—29 to 35 inches; loam
H4—35 to 55 inches; very fine sandy loam
H5—55 to 60 inches; weathered bedrock

Minor Components
Longpine
Composition: About 5 percent
Landform: hill on tableland
Slope: 2 to 6 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Shallow Limy - Veg. Zone 2

ShD—Sandose-Hennings loamy fine sands, 6 to 11 percent slopes

Map Unit Composition

Sandose: 65 percent
Hennings: 30 percent
Minor components: 5 percent

Component Descriptions
Sandose
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Eolian sands over loamy sediments
Slope: 6 to 11 percent
Drainage class: Well drained

Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 7.9 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 16 inches; loamy fine sand
H2—16 to 30 inches; loamy fine sand
H3—30 to 48 inches; loam
H4—48 to 60 inches; very fine sandy loam

Hennings
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Loamy residuum over soft calcareous sandstone
Slope: 6 to 11 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Low (About 5.9 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Medium
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 17 inches; loamy fine sand
H2—17 to 29 inches; sandy clay loam
H3—29 to 35 inches; fine sandy loam
H4—35 to 55 inches; loamy fine sand
H5—55 to 60 inches; weathered bedrock

Minor Components
Longpine
Composition: About 5 percent
Landform: hill on tableland
Slope: 6 to 9 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Shallow Limy - Veg. Zone 2

SnB—Satanta fine sandy loam, 0 to 3 percent slopes

Map Unit Composition

Satanta: 85 percent
Minor components: 15 percent

Component Descriptions
Satanta
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Paleoterrace on tableland
Parent material: Loamy eolian deposits
Slope: 0 to 3 percent
Drainage class: Well drained
Slowest permeability: Moderate (About 0.60 in/hr)
Available water capacity: Moderate (About 8.9 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Silty - Veg. Zone 2
Land capability (irrigated): 2e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 10 inches; fine sandy loam
H2—10 to 24 inches; clay loam
H3—24 to 50 inches; very fine sandy loam
H4—50 to 60 inches; loamy fine sand

Minor Components
Busher
Composition: About 10 percent
Slope: 6 to 9 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

Lodgepole
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Somewhat poorly drained
Ecological site: Clayey Overflow - Veg. Zone 2

SoB—Simeon sand, 0 to 3 percent slopes

Map Unit Composition

Simeon: 90 percent
Minor components: 10 percent

Component Descriptions
Simeon
MLRA: 65 - Nebraska Sand Hills
Landform: Plain on tableland
Parent material: Sandy and gravelly alluvium
Slope: 0 to 3 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Negligible
Ecological site: Shallow To Gravel 17-25" P.z.
Land capability (irrigated): 4s
Land capability (nonirrigated): 6s

Typical Profile:
H1—0 to 5 inches; sand
H2—5 to 60 inches; sand

Minor Components
Valentine
Composition: About 7 percent
Slope: 0 to 3 percent
Drainage class: Excessively drained
Ecological site: Sandy 17-22" P.z.

Pivot
Composition: About 3 percent
Slope: 0 to 3 percent
Drainage class: Somewhat excessively drained
Ecological site: Sandy 17-22" P.z.

SvD—Simeon-Valentine complex, 0 to 9 percent slopes

Map Unit Composition

Simeon: 60 percent
Valentine: 35 percent
Minor components: 5 percent

Component Descriptions
Simeon
MLRA: 65 - Nebraska Sand Hills
Landform: Plain on tableland
Parent material: Sandy and gravelly alluvium
Slope: 0 to 3 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Negligible
Ecological site: Shallow To Gravel 17-25" P.z.
Land capability (irrigated): 4s
Land capability (nonirrigated): 6s

Typical Profile:
H1—0 to 5 inches; sand
H2—5 to 60 inches; sand

Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on tableland
Parent material: Eolian sands
Slope: 3 to 9 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; fine sand
H2—5 to 60 inches; fine sand

Minor Components
Sandose
Composition: About 5 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

SvF—Simeon-Valentine complex, 9 to 24 percent slopes

Map Unit Composition

Simeon: 60 percent
Valentine: 30 percent

Minor components: 10 percent

Component Descriptions
Simeon
MLRA: 65 - Nebraska Sand Hills
Landform: Valley side on river valley
Parent material: Sandy and gravelly alluvium
Slope: 9 to 24 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Shallow To Gravel 17-25" P.z.
Land capability (nonirrigated): 6s

Typical Profile:
H1—0 to 6 inches; sand
H2—6 to 60 inches; sand

Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on valley side on river valley
Parent material: Eolian sands
Slope: 9 to 24 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 6 inches; fine sand
H2—6 to 60 inches; fine sand

Minor Components
Meadin
Composition: About 10 percent
Landform: valley side on river valley
Slope: 3 to 30 percent
Drainage class: Excessively drained
Ecological site: Shallow To Gravel 17-25" P.z.

Tn—Tryon fine sandy loam, 0 to 1 percent slopes

Map Unit Composition

Tryon: 90 percent
Minor components: 10 percent

Component Descriptions
Tryon
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy eolian deposits over sandy alluvium
Slope: 0 to 1 percent
Drainage class: Poorly drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Low (About 4.5 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 18 inches
Runoff class: Negligible
Ecological site: Wet Subirrigated
Land capability (nonirrigated): 5w

Typical Profile:
H1—0 to 4 inches; fine sandy loam
H2—4 to 60 inches; fine sand

Minor Components
Els
Composition: About 5 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

Marlake
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

To—Tryon fine sandy loam, Wet, 0 to 1 percent slopes

Map Unit Composition

Tryon: 90 percent
Minor components: 10 percent

Component Descriptions
Tryon
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills

Parent material: Sandy eolian deposits over sandy alluvium
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Low (About 4.5 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: Wet Land
Land capability (nonirrigated): 5w

Typical Profile:
0 to 2 inches; mucky peat
H1—2 to 7 inches; fine sandy loam
H2—7 to 60 inches; fine sand

Minor Components
Marlake
Composition: About 7 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

Els
Composition: About 3 percent
Slope: 0 to 2 percent
Drainage class: Somewhat poorly drained
Ecological site: Subirrigated

TwC—Tuthill fine sandy loam, 3 to 6 percent slopes

Map Unit Composition

Tuthill: 85 percent
Minor components: 15 percent

Component Descriptions
Tuthill
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Hill on tableland
Parent material: Fine-loamy over sandy and gravelly sediments
Slope: 3 to 6 percent
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 6.3 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 8 inches; fine sandy loam
H2—8 to 23 inches; clay loam
H3—23 to 50 inches; loamy fine sand
H4—50 to 60 inches; fine sand

Minor Components
Busher
Composition: About 13 percent
Landform: hill on tableland
Slope: 6 to 9 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

Lodgepole
Composition: About 2 percent
Slope: 0 to 1 percent
Drainage class: Somewhat poorly drained
Ecological site: Clayey Overflow - Veg. Zone 2

TwD—Tuthill fine sandy loam, 6 to 11 percent slopes

Map Unit Composition

Tuthill: 90 percent
Minor components: 10 percent

Component Descriptions
Tuthill
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Hill on tableland
Parent material: Fine-loamy over sandy and gravelly sediments
Slope: 6 to 11 percent
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 6.3 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None

Depth to seasonal water saturation: More than 6 feet
Runoff class: Medium
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 8 inches; fine sandy loam
H2—8 to 23 inches; clay loam
H3—23 to 50 inches; loamy fine sand
H4—50 to 60 inches; loamy fine sand

Minor Components
Busher
Composition: About 8 percent
Landform: hill on tableland
Slope: 6 to 9 percent
Depth to restrictive feature: 40 to 60 inches to bedrock (paralithic)
Drainage class: Well drained
Ecological site: Sandy - Veg. Zone 2

Lodgepole
Composition: About 2 percent
Slope: 0 to 1 percent
Drainage class: Somewhat poorly drained
Ecological site: Clayey Overflow - Veg. Zone 2

VcB—Valent fine sand, 0 to 3 percent slopes

Map Unit Composition

Valent: 95 percent
Minor components: 5 percent

Component Descriptions
Valent
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Eolian sands
Slope: 0 to 3 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Negligible
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; fine sand
H2—5 to 60 inches; fine sand

Minor Components
Sandose
Composition: About 3 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Tryon
Composition: About 2 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

VcD—Valent fine sand, 3 to 9 percent slopes

Map Unit Composition

Valent: 95 percent
Minor components: 5 percent

Component Descriptions
Valent
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on interdune on sandhills
Parent material: Eolian sands
Slope: 3 to 9 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 6 inches; fine sand
H2—6 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 3 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Marlake
Composition: About 2 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

VcE—Valent fine sand, Rolling

Map Unit Composition

Valent: 95 percent
Minor components: 5 percent

Component Descriptions
Valent
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on sandhills
Parent material: Eolian sands
Slope: 9 to 24 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; fine sand
H2—5 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 3 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Marlake
Composition: About 2 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

VcF—Valent complex, Rolling And Hilly

Map Unit Composition

Valent: 65 percent
Valent: 30 percent
Minor components: 5 percent

Component Descriptions
Valent
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on sandhills
Parent material: Eolian sands
Slope: 9 to 24 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; fine sand
H2—5 to 60 inches; fine sand

Valent
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on sandhills
Parent material: Eolian sands
Slope: 24 to 60 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Choppy Sands 17-22" P.z.
Land capability (nonirrigated): 7e

Typical Profile:
H1—0 to 4 inches; fine sand
H2—4 to 40 inches; fine sand
H3—40 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

VcG—Valent fine sand, Hilly

Map Unit Composition

Valent: 99 percent
Minor components: 1 percent

Component Descriptions
Valent
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on sandhills
Parent material: Eolian sands
Slope: 24 to 60 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Choppy Sands 17-22" P.z.
Land capability (nonirrigated): 7e

Typical Profile:
H1—0 to 4 inches; fine sand
H2—4 to 60 inches; fine sand

Minor Components
Blownout Land
Composition: About 1 percent
Slope: 0 to 60 percent
Drainage class: Excessively drained

VdD—Valent loamy fine sand, 3 to 9 percent slopes

Map Unit Composition

Valent: 90 percent
Minor components: 10 percent

Component Descriptions
Valent
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Dune on interdune on sandhills
Parent material: Eolian sands
Slope: 3 to 9 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 6 inches; loamy fine sand
H2—6 to 60 inches; fine sand

Minor Components
Ipage
Composition: About 7 percent
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Ecological site: Sandy Lowland 17-22" P.z.

Tryon
Composition: About 3 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

VgD—Valent-Els fine sands, 0 to 9 percent slopes

Map Unit Composition

Valent: 55 percent
Els: 40 percent
Minor components: 5 percent

Component Descriptions
Valent
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on interdune on sandhills
Parent material: Eolian sands
Slope: 3 to 9 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 4 inches; fine sand
H2—4 to 60 inches; fine sand

Els
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy eolian deposits over sandy alluvium
Slope: 0 to 3 percent

Drainage class: Somewhat poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 3.9 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Negligible
Ecological site: Subirrigated
Land capability (irrigated): 4w
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 8 inches; fine sand
H2—8 to 17 inches; fine sand
H3—17 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

VhF—Valent-Tryon fine sands, 0 to 24 percent slopes

Map Unit Composition

Valent: 65 percent
Tryon: 34 percent
Minor components: 1 percent

Component Descriptions
Valent
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on interdune on sandhills
Parent material: Eolian sands
Slope: 1 to 24 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 3 inches; fine sand
H2—3 to 60 inches; fine sand

Tryon
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy eolian deposits over sandy alluvium
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 3.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: Wet Land
Land capability (nonirrigated): 5w

Typical Profile:
H1—0 to 8 inches; fine sand
H2—8 to 19 inches; fine sand
H3—19 to 60 inches; fine sand

Minor Components
Marlake
Composition: About 1 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

VkB—Valentine fine sand, 0 to 3 percent slopes

Map Unit Composition

Valentine: 90 percent
Minor components: 10 percent

Component Descriptions
Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Eolian sands
Slope: 0 to 3 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Negligible
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; fine sand
H2—5 to 60 inches; fine sand

Minor Components
Sandose
Composition: About 7 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Tryon
Composition: About 3 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

VkD—Valentine fine sand, 3 to 9 percent slopes

Map Unit Composition

Valentine: 95 percent
Minor components: 5 percent

Component Descriptions
Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on interdune on sandhills
Parent material: Eolian sands
Slope: 3 to 9 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; fine sand
H2—5 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 3 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Marlake
Composition: About 2 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

VkE—Valentine fine sand, Rolling

Map Unit Composition

Valentine: 95 percent
Minor components: 5 percent

Component Descriptions
Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on sandhills
Parent material: Eolian sands
Slope: 9 to 24 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; fine sand
H2—5 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 3 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Marlake
Composition: About 2 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

VkF—Valentine complex, Rolling And Hilly

Map Unit Composition

Valentine: 65 percent
Valentine: 30 percent

Minor components: 5 percent

Component Descriptions
Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on sandhills
Parent material: Eolian sands
Slope: 9 to 24 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; fine sand
H2—5 to 60 inches; fine sand

Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on sandhills
Parent material: Eolian sands
Slope: 24 to 60 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Choppy Sands 17-22" P.z.
Land capability (nonirrigated): 7e

Typical Profile:
H1—0 to 4 inches; fine sand
H2—4 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

VkG—Valentine fine sand, Hilly

Map Unit Composition

Valentine: 99 percent
Minor components: 1 percent

Component Descriptions
Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on sandhills
Parent material: Eolian sands
Slope: 24 to 60 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Choppy Sands 17-22" P.z.
Land capability (nonirrigated): 7e

Typical Profile:
H1—0 to 4 inches; fine sand
H2—4 to 60 inches; fine sand

Minor Components
Blownout Land
Composition: About 1 percent
Slope: 0 to 60 percent
Drainage class: Excessively drained

VmB—Valentine loamy fine sand, 0 to 3 percent slopes

Map Unit Composition

Valentine: 90 percent
Minor components: 10 percent

Component Descriptions
Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Eolian sands
Slope: 0 to 3 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Negligible
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 4e

Typical Profile:
H1—0 to 8 inches; loamy fine sand
H2—8 to 60 inches; loamy fine sand

Minor Components
Sandose
Composition: About 6 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Ipage
Composition: About 4 percent
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Ecological site: Sandy Lowland 17-22" P.z.

VmD—Valentine loamy fine sand, 3 to 9 percent slopes

Map Unit Composition

Valentine: 90 percent
Minor components: 10 percent

Component Descriptions
Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on interdune on sandhills
Parent material: Eolian sands
Slope: 3 to 9 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 5.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 8 inches; loamy fine sand
H2—8 to 60 inches; fine sand

Minor Components
Anselmo
Composition: About 8 percent
Slope: 3 to 6 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

Tryon
Composition: About 2 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

VnD—Valentine-Duda complex, 3 to 9 percent slopes

Map Unit Composition

Valentine: 60 percent
Duda: 30 percent
Minor components: 10 percent

Component Descriptions
Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on tableland
Parent material: Eolian sands
Slope: 3 to 9 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 8 inches; fine sand
H2—8 to 60 inches; fine sand

Duda
MLRA: 65 - Nebraska Sand Hills
Landform: Hill on tableland
Parent material: Sandy eolian deposits derived from sandstone
Slope: 3 to 9 percent
Depth to restrictive feature: 20 to 40 inches to bedrock (paralithic)
Drainage class: Somewhat excessively drained
Slowest permeability: Moderately rapid (About 1.98 in/hr)
Available water capacity: Very low (About 2.9 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet

Runoff class: Low
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 8 inches; loamy fine sand
H2—8 to 36 inches; loamy fine sand
H3—36 to 60 inches; weathered bedrock

Minor Components
Sandose
Composition: About 10 percent
Slope: 0 to 3 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

VnF—Valentine-Duda complex, 9 to 24 percent slopes

Map Unit Composition

Valentine: 60 percent
Duda: 25 percent
Minor components: 15 percent

Component Descriptions
Valentine
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Dune on tableland
Parent material: Eolian sands
Slope: 9 to 24 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 5 inches; fine sand
H2—5 to 60 inches; fine sand

Duda
MLRA: 66 - Dakota-Nebraska Eroded Tableland
Landform: Hill on tableland
Parent material: Sandy eolian deposits derived from sandstone
Slope: 9 to 15 percent
Depth to restrictive feature: 20 to 40 inches to bedrock (paralithic)
Drainage class: Somewhat excessively drained
Slowest permeability: Moderately rapid (About 1.98 in/hr)
Available water capacity: Very low (About 2.6 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Low
Ecological site: Sandy 17-22" P.z.
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 8 inches; loamy fine sand
H2—8 to 27 inches; fine sand
H3—27 to 60 inches; weathered bedrock

Minor Components
Fishberry
Composition: About 15 percent
Landform: hill on tableland
Slope: 6 to 30 percent
Depth to restrictive feature: 10 to 20 inches to bedrock (paralithic)
Drainage class: Excessively drained
Ecological site: Shallow Limy - Veg. Zone 2

VoD—Valentine-Els fine sands, 0 to 9 percent slopes

Map Unit Composition

Valentine: 55 percent
Els: 40 percent
Minor components: 5 percent

Component Descriptions
Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on interdune on sandhills
Parent material: Eolian sands
Slope: 3 to 9 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.

Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 8 inches; fine sand
H2—8 to 60 inches; fine sand

Els
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy eolian deposits over sandy alluvium
Slope: 0 to 3 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 3.9 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Negligible
Ecological site: Subirrigated
Land capability (irrigated): 4w
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 6 inches; fine sand
H2—6 to 16 inches; fine sand
H3—16 to 60 inches; fine sand

Minor Components
Tryon
Composition: About 5 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

VpD—Valentine-Libory complex, 0 to 9 percent slopes

Map Unit Composition

Valentine: 65 percent
Libory: 33 percent
Minor components: 2 percent

Component Descriptions
Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on interdune on sandhills
Parent material: Eolian sands
Slope: 3 to 9 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 4 inches; fine sand
H2—4 to 60 inches; fine sand

Libory
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Eolian sands over loamy alluvium
Slope: 0 to 3 percent
Drainage class: Moderately well drained
Slowest permeability: Moderate (About 0.60 in/hr)
Available water capacity: Moderate (About 8.8 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 36 inches
Runoff class: Very low
Ecological site: Sandy Lowland 17-22" P.z.
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 10 inches; loamy fine sand
H2—10 to 28 inches; fine sand
H3—28 to 60 inches; loam

Minor Components
Gannett
Composition: About 2 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

VsD—Valentine-Sandose complex, 0 to 9 percent slopes

Map Unit Composition

Valentine: 60 percent
Sandose: 30 percent
Minor components: 10 percent

Component Descriptions
Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on tableland
Parent material: Eolian sands
Slope: 3 to 9 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (irrigated): 4e
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 6 inches; fine sand
H2—6 to 60 inches; fine sand

Sandose
MLRA: 65 - Nebraska Sand Hills
Landform: Plain on tableland
Parent material: Eolian sands over loamy sediments
Slope: 0 to 3 percent
Drainage class: Well drained
Slowest permeability: Moderate (About 0.57 in/hr)
Available water capacity: Moderate (About 8.3 inches)
Shrink-swell potential: Moderate (About 4.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 11 inches; loamy fine sand
H2—11 to 22 inches; fine sand
H3—22 to 41 inches; loam
H4—41 to 60 inches; loamy fine sand

Minor Components
Jansen
Composition: About 10 percent
Slope: 0 to 2 percent
Drainage class: Well drained
Ecological site: Sandy 17-22" P.z.

VwF—Valentine-Tryon fine sands, 0 to 24 percent slopes

Map Unit Composition

Valentine: 65 percent
Tryon: 34 percent
Minor components: 1 percent

Component Descriptions
Valentine
MLRA: 65 - Nebraska Sand Hills
Landform: Dune on interdune on sandhills
Parent material: Eolian sands
Slope: 1 to 24 percent
Drainage class: Excessively drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sands 17-22" P.z.
Land capability (nonirrigated): 6e

Typical Profile:
H1—0 to 6 inches; fine sand
H2—6 to 60 inches; fine sand

Tryon
MLRA: 65 - Nebraska Sand Hills
Landform: Swale on interdune on sandhills
Parent material: Sandy eolian deposits over sandy alluvium
Slope: 0 to 1 percent
Drainage class: Very poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 4.2 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 0 to 0 inches
Runoff class: Negligible
Ecological site: Wet Land
Land capability (nonirrigated): 5w

Typical Profile:
H1—0 to 7 inches; fine sand
H2—7 to 60 inches; fine sand

Minor Components
Marlake
Composition: About 1 percent
Slope: 0 to 1 percent

Drainage class: Very poorly drained

VyB—Vetal loamy fine sand, 0 to 3 percent slopes

Map Unit Composition

Vetal: 90 percent
Minor components: 10 percent

Component Descriptions
Vetal
MLRA: 64 - Mixed Sandy and Silty Tableland
Landform: Plain on tableland
Parent material: Loamy alluvium over eolian deposits
Slope: 0 to 3 percent
Drainage class: Well drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Moderate (About 7.4 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sandy - Veg. Zone 2
Land capability (irrigated): 3e
Land capability (nonirrigated): 3e

Typical Profile:
H1—0 to 6 inches; loamy fine sand
H2—6 to 25 inches; fine sandy loam
H3—25 to 42 inches; fine sandy loam
H4—42 to 60 inches; loamy sand

Minor Components
Dailey
Composition: About 5 percent
Slope: 0 to 3 percent
Drainage class: Somewhat excessively drained
Ecological site: Sandy - Veg. Zone 2

Dunday
Composition: About 5 percent
Slope: 0 to 3 percent
Drainage class: Somewhat excessively drained
Ecological site: Sandy 17-22" P.z.

Vz—Vetal fine sandy loam, 0 to 2 percent slopes

Map Unit Composition

Vetal: 90 percent
Minor components: 10 percent

Component Descriptions
Vetal
MLRA: 65 - Nebraska Sand Hills
Landform: Plain on tableland
Parent material: Loamy alluvium over eolian deposits
Slope: 0 to 2 percent
Drainage class: Well drained
Slowest permeability: Moderately rapid (About 2.00 in/hr)
Available water capacity: Moderate (About 7.7 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: More than 6 feet
Runoff class: Very low
Ecological site: Sandy 17-22" P.z.
Land capability (irrigated): 2e
Land capability (nonirrigated): 2e

Typical Profile:
H1—0 to 7 inches; fine sandy loam
H2—7 to 23 inches; fine sandy loam
H3—23 to 48 inches; fine sandy loam
H4—48 to 60 inches; fine sandy loam

Minor Components
Dailey
Composition: About 8 percent
Slope: 0 to 3 percent
Drainage class: Somewhat excessively drained
Ecological site: Sandy - Veg. Zone 2

Keya
Composition: About 2 percent
Slope: 0 to 2 percent
Drainage class: Well drained
Ecological site: Silty - Veg. Zone 2

W—Water

Map Unit Composition

Water: 100 percent

Component Descriptions
Water
MLRA: 65 - Nebraska Sand Hills
Depth to seasonal water saturation: More than 6 feet

General Considerations: Water includes streams, lakes, ponds, and estuaries. These areas are covered with water in most years, at least during the period that is warm enough for plants to grow. Many areas are covered throughout the year.

WeB—Wildhorse fine sand, 0 to 3 percent slopes

Map Unit Composition

Wildhorse: 90 percent
Minor components: 10 percent

Component Descriptions
Wildhorse
MLRA: 65 - Nebraska Sand Hills
Landform: Hummock on interdune on sandhills
Parent material: Sandy alluvium and/or eolian sands
Slope: 0 to 3 percent
Drainage class: Somewhat poorly drained
Slowest permeability: Rapid (About 5.95 in/hr)
Available water capacity: Low (About 3.0 inches)
Shrink-swell potential: Low (About 1.5 LEP)
Flooding hazard: None
Depth to seasonal water saturation: About 18 to 42 inches
Runoff class: Negligible
Ecological site: Saline Subirrigated 14-22" P.z.
Land capability (nonirrigated): 6s

Typical Profile:
H1—0 to 3 inches; fine sand
H2—3 to 60 inches; fine sand

Minor Components
Hoffland
Composition: About 8 percent
Slope: 0 to 1 percent
Drainage class: Poorly drained
Ecological site: Wet Subirrigated

Marlake
Composition: About 2 percent
Slope: 0 to 1 percent
Drainage class: Very poorly drained

LAND CAPABILITY AND YIELDS PER ACRE OF CROPS
Cherry County, Nebraska

Land capability classification shows, in a general way, the suitability of soils for most kinds of field crops. Crops that require special management are excluded. The soils are grouped according to their limitations for field crops, the risk of damage if they are used for crops, and the way they respond to management. The criteria used in grouping the soils do not include major and generally expensive land-forming that would change slope, depth, or other characteristics of the soils, nor do they include possible but unlikely major reclamation projects. Capability classification is not a substitute for interpretations designed to show suitability and limitations of groups of soils for rangeland, for forestland, or for engineering purposes. In the capability system, soils are generally grouped at three levels: capability class, subclass, and unit.

Capability classes, the broadest groups, are designated by the numbers 1 through 8. The numbers indicate progressively greater limitations and narrower choices for practical use. The classes are defined as follows:

(Class 1) soils have slight limitations that restrict their use.

(Class 2) soils have moderate limitations that restrict the choice of plants or that require moderate conservation practices.

(Class 3) soils have severe limitations that restrict the choice of plants or that require special conservation practices, or both.

(Class 4) soils have very severe limitations that restrict the choice of plants or that require very careful management, or both.

(Class 5) soils are subject to little or no erosion but have other limitations, impractical to remove, that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.

(Class 6) soils have severe limitations that make them generally unsuitable for cultivation and that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.

(Class 7) soils have very severe limitations that make them unsuitable for cultivation and that restrict their use mainly to grazing, forestland, or wildlife habitat.

(Class 8) soils and miscellaneous areas have limitations that preclude commercial plant production and that restrict their use to recreational purposes, wildlife habitat, watershed, or esthetic purposes.

Capability subclasses are soil groups within one class. They are designated by adding a small letter, e, w, s, or c, to the class numeral, for example, 2e. The letter e shows that the main hazard is the risk of erosion unless close-growing plant cover is maintained; w shows that water in or on the soil interferes with plant growth or cultivation (in some soils the wetness can be partly corrected by artificial drainage); s shows that the soil is limited mainly because it is shallow, droughty, or stony; and c, used in only some parts of the United States, shows that the chief. limitation is climate that is very cold or very dry.

In class 1 there are no subclasses because the soils of this class have few limitations. Class 5 contains only the subclasses indicated by w, s, or c because the soils in class 5 are subject to little or no erosion. They have other limitations that restrict their use to pasture, rangeland, forestland, wildlife habitat, or recreation.

Capability units are soil groups within a subclass. The soils in a capability unit are enough alike to be suited to the same crops and pasture plants, to require similar management, and to have similar productivity. Capability units are generally designated by adding an Arabic numeral to the subclass symbol, for example, 2e-4 and 3e-6. These units are not given in all soil surveys.

The capability classification of map units in this survey area is given in the section "Detailed Soil Map Units" and in the Land Capability and Component Yields table.

Crop Yield Estimates

The average yields per acre that can be expected of the principal crops under a high level of management are shown in "Land Capibility and Component Yields" table. In any given year, yields may be higher or lower than those indicated in the table because of variations in rainfall and other climatic factors. The land capability classification of map units in the survey area also is shown in the table.

The yields are based mainly on the experience and records of farmers, conservationists, and extension agents. Available yield data from nearby counties and results of field trials and demonstrations also are considered.

The management needed to obtain the indicated yields of the various crops depends on the kind of soil and the crop. Management can include drainage, erosion control, and protection from flooding; the proper planting and seeding rates; suitable high-yielding crop varieties; appropriate and timely tillage; control of weeds, plant diseases, and harmful insects; favorable soil reaction and optimum levels of nitrogen, phosphorus, potassium, and trace elements for each crop; effective use of crop residue, animal waste manure, and green manure crops; and harvesting that ensures the smallest possible loss.

For yields of irrigated crops, it is assumed that the irrigation system is adapted to the soils and to the crops grown, that good-quality irrigation water is uniformly applied as needed, and that tillage is kept to a minimum.

The estimated yields reflect the productive capacity of each soil for each of the principal crops. Yields are likely to increase as new production technology is developed. The productivity of a given soil compared with that of other soils, however, is not likely to change.

Crops other than those shown in this table, are grown in the survey area, but estimated yields are not listed because the acreage of such crops is small. The local office of the Natural Resources Conservation Service (NRCS) or the Cooperative Extension Service (CES) can provide information about the management and productivity of the soils for those crops.

LAND CAPABILITY AND YIELDS PER ACRE OF CROPS--Continued
Cherry County, Nebraska

(Yields in the "N" columns are for nonirrigated soils; those in the "I" columns are for irrigated soils. Yields are those that can be expected under a high level of nonirrigated and irrigated management by component. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil)

Map symbol and soil name	Land Capability		Alfalfa hay		Corn		Winter wheat	
	N	I	N	I	N	I	N	I
			Tons		Bu			
Ad:								
ALMERIA---------	6w	---	---	---	---	---	---	---
Ae:								
ALMERIA---------	5w	---	---	---	---	---	---	---
Af:								
ALMERIA---------	5w	---	---	---	---	---	---	---
AmB:								
ANSELMO---------	3e	3e	---	4.20	35.00	120.00	---	---
AmC:								
ANSELMO---------	4e	4e	---	3.70	30.00	105.00	---	---
An:								
ANSELMO---------	2e	2e	2.40	4.70	42.00	128.00	---	---
AnC:								
ANSELMO---------	3e	3e	2.30	4.50	41.00	125.00	---	---
AnD:								
ANSELMO---------	4e	4e	1.90	3.50	33.00	100.00	---	---
AuF:								
ANSELMO---------	6e	---	---	---	---	---	---	---
LONGPINE--------	6s	---	---	---	---	---	---	---
BcG:								
BLOWNOUT LAND---	7e	---	---	---	---	---	---	---
VALENTINE-------	6e	---	---	---	---	---	---	---
Bm:								
BOLENT----------	6w	---	---	---	---	---	---	---
Bn:								
BOLENT----------	4e	4w	2.30	4.20	30.00	115.00	---	---
Bp:								
BOLENT----------	4e	4w	---	---	---	---	---	---
INGLEWOOD-------	4e	4e	---	---	---	---	---	---
BsD:								
BUSHER----------	4e	4e	1.10	4.00	---	75.00	27.00	---
BvF:								
BUSHER----------	6e	---	---	---	---	---	---	---
TASSEL----------	6s	---	---	---	---	---	---	---
Cr:								
CROWTHER--------	5w	---	---	---	---	---	---	---
Cs:								
CROWTHER--------	5w	---	---	---	---	---	---	---
Cv:								
CULLISON--------	5w	---	---	---	---	---	---	---
Cx:								
CULLISON--------	5w	---	---	---	---	---	---	---
Cy:								
CUTCOMB---------	5w	---	---	---	---	---	---	---
DaB:								
DAILEY----------	4e	4e	---	3.70	---	100.00	22.00	---
DaD:								
DAILEY----------	6e	4e	---	3.50	---	90.00	---	---
DfB:								
DOUGHBOY--------	4e	3e	1.80	5.00	35.00	115.00	---	---
Dg:								
DOUGHBOY--------	3e	2e	3.40	5.50	45.00	120.00	---	---

LAND CAPABILITY AND YIELDS PER ACRE OF CROPS--Continued
Cherry County, Nebraska

(Yields in the "N" columns are for nonirrigated soils; those in the "I" columns are for irrigated soils. Yields are those that can be expected under a high level of nonirrigated and irrigated management by component. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil)

Map symbol and soil name	Land Capability		Alfalfa hay		Corn		Winter wheat	
	N	I	N	I	N	I	N	I
			Tons		Bu			
DtB:								
DUDA----------	4e	4e	---	---	---	---	---	---
FISHBERRY-------	6e	---	---	---	---	---	---	---
DuB:								
DUNDAY----------	4e	3e	1.50	4.00	28.00	110.00	---	---
DuD:								
DUNDAY----------	6e	4e	---	3.60	---	100.00	---	---
Ec:								
ELS----------	6e	4w	---	3.00	---	85.00	---	---
EfB:								
ELS----------	6e	4w	---	---	---	---	---	---
IPAGE----------	6e	4e	---	---	---	---	---	---
Eh:								
ELS----------	6e	4w	---	---	---	---	---	---
TRYON----------	5w	---	---	---	---	---	---	---
Em:								
ELS----------	6e	4w	---	---	---	---	---	---
HOFFLAND--------	5w	---	---	---	---	---	---	---
En:								
ELS, CALCAREOUS-	6e	4w	---	---	---	---	---	---
SELIA----------	6s	---	---	---	---	---	---	---
Es:								
ELSMERE---------	4w	4w	1.50	3.50	---	90.00	---	---
Et:								
ELSMERE---------	4w	4w	1.50	3.60	30.00	95.00	---	---
Ew:								
ELSMERE---------	4w	4w	---	---	---	---	---	---
LOUP----------	5w	---	---	---	---	---	---	---
FbC:								
FISHBERRY-------	6e	---	---	---	---	---	---	---
FcF:								
FISHBERRY-------	6e	---	---	---	---	---	---	---
DUDA----------	6e	---	---	---	---	---	---	---
FdG:								
FISHBERRY-------	7e	---	---	---	---	---	---	---
ROCK OUTCROP----	8s	---	---	---	---	---	---	---
Fe:								
FLUVAQUENTS, SANDY----------	8w	---	---	---	---	---	---	---
Ga:								
GANNETT---------	5w	---	---	---	---	---	---	---
Gb:								
GANNETT---------	5w	---	---	---	---	---	---	---
Gc:								
GUS----------	5w	---	---	---	---	---	---	---
Gf:								
GUS----------	5w	---	---	---	---	---	---	---
He:								
HENNINGS--------	2e	2e	2.20	5.20	---	150.00	---	---
HeC:								
HENNINGS--------	3e	3e	2.00	5.00	---	145.00	---	---

LAND CAPABILITY AND YIELDS PER ACRE OF CROPS--Continued
Cherry County, Nebraska

(Yields in the "N" columns are for nonirrigated soils; those in the "I" columns are for irrigated soils. Yields are those that can be expected under a high level of nonirrigated and irrigated management by component. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil)

Map symbol and soil name	Land Capability		Alfalfa hay		Corn		Winter wheat	
	N	I	N	I	N	I	N	I
			Tons		Bu			
HeD:								
HENNINGS--------	4e	4e	---	4.50	---	130.00	---	---
HgE:								
HENNINGS--------	6e	---	---	---	---	---	---	---
ANSELMO---------	6e	---	---	---	---	---	---	---
Hr:								
HOFFLAND--------	5w	---	---	---	---	---	---	---
Hs:								
HOFFLAND--------	5w	---	---	---	---	---	---	---
Ht:								
HOLT----------	3e	3e	1.40	4.30	34.00	130.00	---	---
HuC:								
HOLT----------	3e	3e	1.30	4.10	32.00	125.00	---	---
LONGPINE--------	6s	---	---	---	---	---	---	---
HuD:								
HOLT----------	4e	4e	1.20	4.00	28.00	115.00	---	---
LONGPINE--------	6s	---	---	---	---	---	---	---
HyC:								
HOLT----------	3e	3e	1.50	4.60	36.00	130.00	---	---
VETAL----------	2e	2e	1.80	5.00	40.00	135.00	---	---
Ic:								
CALAMUS---------	6e	4e	---	4.00	---	100.00	---	---
Id:								
CALAMUS---------	4e	4e	1.20	4.20	30.00	110.00	---	---
IgB:								
IPAGE----------	6e	4e	---	3.90	---	100.00	---	---
IhB:								
IPAGE----------	6e	4e	---	4.00	---	100.00	---	---
IpB:								
IPAGE----------	4e	4e	1.20	4.10	30.00	110.00	---	---
ItB:								
IPAGE----------	6e	4e	---	---	---	---	---	---
TRYON----------	5w	---	---	---	---	---	---	---
Jn:								
JANSEN----------	2e	2e	1.80	5.00	30.00	135.00	25.00	---
Ke:								
KEYA----------	2c	1	2.20	5.50	50.00	150.00	41.00	---
LfB:								
LIBORY----------	3e	3e	3.40	5.20	48.00	125.00	---	---
Lh:								
LODGEPOLE-------	3w	4w	2.00	3.80	75.00	90.00	20.00	---
Lo:								
LOUP----------	5w	---	---	---	---	---	---	---
Lp:								
LOUP----------	5w	---	---	---	---	---	---	---
Ma:								
MARLAKE---------	8w	---	---	---	---	---	---	---
McB:								
MCKELVIE--------	4e	4e	1.40	3.70	26.00	105.00	---	---
McD:								
MCKELVIE--------	6e	4e	0.90	3.10	---	90.00	---	---

LAND CAPABILITY AND YIELDS PER ACRE OF CROPS--Continued
Cherry County, Nebraska

(Yields in the "N" columns are for nonirrigated soils; those in the "I" columns are for irrigated soils. Yields are those that can be expected under a high level of nonirrigated and irrigated management by component. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil)

Map symbol and soil name	Land Capability		Alfalfa hay		Corn		Winter wheat	
	N	I	N	I	N	I	N	I
			Tons		Bu			
McF:								
MCKELVIE--------	6e	---	---	---	---	---	---	---
MdF:								
MCKELVIE--------	6e	---	---	---	---	---	---	---
FISHBERRY-------	6e	---	---	---	---	---	---	---
MeG:								
MCKELVIE--------	7e	---	---	---	---	---	---	---
FISHBERRY-------	7e	---	---	---	---	---	---	---
MfG:								
MCKELVIE--------	7e	---	---	---	---	---	---	---
ROCK OUTCROP----	8s	---	---	---	---	---	---	---
MgG:								
MCKELVIE--------	7e	---	---	---	---	---	---	---
USTORTHENTS-----	7e	---	---	---	---	---	---	---
MxB:								
MEADIN----------	6s	4s	---	2.00	---	75.00	---	---
MxF:								
MEADIN----------	6s	---	---	---	---	---	---	---
Mz:								
MEDIHEMISTS-----	8w	---	---	---	---	---	---	---
NeB:								
NENZEL----------	4e	4e	1.40	4.30	35.00	115.00	---	---
NfB:								
NENZEL----------	4e	4e	1.60	4.50	30.00	110.00	---	---
Or:								
ORD----------	3w	3w	3.40	5.50	---	115.00	---	---
OsD:								
ORPHA----------	6e	4e	---	2.50	---	70.00	---	---
OtF:								
ORPHA----------	6e	---	---	---	---	---	---	---
NIOBRARA--------	6s	---	---	---	---	---	---	---
OxG:								
ORPHA----------	7e	---	---	---	---	---	---	---
ROCK OUTCROP----	8s	---	---	---	---	---	---	---
PtB:								
PIVOT----------	4e	3e	1.50	4.00	30.00	115.00	---	---
SfB:								
SANDOSE---------	3e	3e	2.00	5.20	---	140.00	---	---
ShB:								
SANDOSE---------	3e	3e	2.00	5.00	---	139.00	---	---
HENNINGS--------	3e	3e	2.00	5.00	---	145.00	---	---
ShC:								
SANDOSE---------	4e	3e	1.80	5.00	---	125.00	---	---
HENNINGS--------	4e	3e	1.80	4.80	---	140.00	---	---
ShD:								
SANDOSE---------	6e	4e	---	4.50	---	110.00	---	---
HENNINGS--------	6e	4e	---	4.30	---	125.00	---	---
SnB:								
SATANTA---------	3e	2e	---	5.40	---	140.00	24.00	---
SoB:								
SIMEON----------	6s	4s	---	3.00	---	80.00	---	---

LAND CAPABILITY AND YIELDS PER ACRE OF CROPS--Continued
Cherry County, Nebraska

(Yields in the "N" columns are for nonirrigated soils; those in the "I" columns are for irrigated soils. Yields are those that can be expected under a high level of nonirrigated and irrigated management by component. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil)

Map symbol and soil name	Land Capability		Alfalfa hay		Corn		Winter wheat	
	N	I	N	I	N	I	N	I
			Tons		Bu			
SvD:								
SIMEON----------	6s	4s	---	3.20	---	89.00	---	---
VALENTINE-------	6e	4e	---	3.10	---	80.00	---	---
SvF:								
SIMEON----------	6s	---	---	---	---	---	---	---
VALENTINE-------	6e	---	---	---	---	---	---	---
Tn:								
TRYON----------	5w	---	---	---	---	---	---	---
To:								
TRYON----------	5w	---	---	---	---	---	---	---
TwC:								
TUTHILL---------	3e	3e	1.30	4.00	30.00	135.00	31.00	---
TwD:								
TUTHILL---------	4e	4e	1.10	3.50	25.00	130.00	26.00	---
VcB:								
VALENT----------	6e	4e	---	3.10	---	80.00	---	---
VcD:								
VALENT----------	6e	4e	---	3.00	---	75.00	---	---
VcE:								
VALENT----------	6e	---	---	---	---	---	---	---
VcF:								
VALENT----------	6e	---	---	---	---	---	---	---
VALENT----------	7e	---	---	---	---	---	---	---
VcG:								
VALENT----------	7e	---	---	---	---	---	---	---
VdD:								
VALENT----------	6e	4e	---	3.10	---	85.00	---	---
VgD:								
VALENT----------	6e	4e	---	---	---	---	---	---
ELS----------	6e	4w	---	---	---	---	---	---
VhF:								
VALENT----------	6e	---	---	---	---	---	---	---
TRYON----------	5w	---	---	---	---	---	---	---
VkB:								
VALENTINE-------	6e	4e	---	3.20	---	85.00	---	---
VkD:								
VALENTINE-------	6e	4e	---	3.10	---	80.00	---	---
VkE:								
VALENTINE-------	6e	---	---	---	---	---	---	---
VkF:								
VALENTINE-------	6e	---	---	---	---	---	---	---
VALENTINE-------	7e	---	---	---	---	---	---	---
VkG:								
VALENTINE-------	7e	---	---	---	---	---	---	---
VmB:								
VALENTINE-------	4e	4e	1.30	3.60	25.00	100.00	---	---
VmD:								
VALENTINE-------	6e	4e	0.80	3.20	---	90.00	---	---
VnD:								
VALENTINE-------	6e	4e	---	3.50	---	92.00	---	---
DUDA----------	6e	4e	---	---	---	80.00	---	---

LAND CAPABILITY AND YIELDS PER ACRE OF CROPS--Continued
Cherry County, Nebraska

(Yields in the "N" columns are for nonirrigated soils; those in the "I" columns are for irrigated soils. Yields are those that can be expected under a high level of nonirrigated and irrigated management by component. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil)

Map symbol and soil name	Land Capability		Alfalfa hay		Corn		Winter wheat	
	N	I	N	I	N	I	N	I
			Tons		Bu			
VnF:								
VALENTINE-------	6e	---	---	---	---	---	---	---
DUDA----------	6e	---	---	---	---	---	---	---
VoD:								
VALENTINE-------	6e	4e	---	---	---	---	---	---
ELS----------	6e	4w	---	---	---	---	---	---
VpD:								
VALENTINE-------	6e	4e	---	---	---	---	---	---
LIBORY----------	3e	3e	---	---	---	---	---	---
VsD:								
VALENTINE-------	6e	4e	---	4.00	---	104.00	---	---
SANDOSE---------	3e	3e	---	5.00	---	139.00	---	---
VwF:								
VALENTINE-------	6e	---	---	---	---	---	---	---
TRYON----------	5w	---	---	---	---	---	---	---
VyB:								
VETAL----------	3e	3e	---	4.80	---	120.00	---	---
Vz:								
VETAL----------	2e	2e	2.50	5.50	42.00	140.00	37.00	---
W:								
WATER----------	---	---	---	---	---	---	---	---
WeB:								
WILDHORSE-------	6s	---	---	---	---	---	---	---

Farmland Classification
Cherry County, Nebraska : Initial

Prime farmland is one of several kinds of important farmland defined by the U.S. Department of Agriculture. It is of major importance in meeting the Nation's short- and long-range needs for food and fiber. Because the supply of high-quality farmland is limited, the U.S. Department of Agriculture recognizes that responsible levels of government, as well as individuals, should encourage and facilitate the wise use of our Nation's prime farmland.

Prime farmland, as defined by the U.S. Department of Agriculture, is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops and is available for these uses. It could be cultivated land, pastureland, forestland, or other land, but it is not urban or built-up land or water areas. The soil qualities, growing season, and moisture supply are those needed for the soil to economically produce sustained high yields of crops when proper management, including water management, and acceptable farming methods are applied. In general, prime farmland has an adequate and dependable supply of moisture from precipitation or irrigation, a favorable temperature and growing season, acceptable acidity or alkalinity, an acceptable salt and sodium content, and few or no rocks. It is permeable to water and air. It is not excessively erodible or saturated with water for long periods, and it either is not frequently flooded during the growing season or is protected from flooding. Slope ranges mainly from 0 to 6 percent. More detailed information about the criteria for prime farmland is available at the local office of the Natural Resources Conservation Service.

A recent trend in land use in some parts of the survey area has been the loss of some prime farmland to industrial and urban uses. The loss of prime farmland to other uses puts pressure on marginal lands, which generally are more erodible, droughty, and less productive and cannot be easily cultivated.

The map units in the survey area that are considered prime farmland are listed in the following table. This list does not constitute a recommendation for a particular land use. On some soils included in the list, measures that overcome a hazard or limitation, such as flooding, wetness, and droughtiness, are needed. Onsite evaluation is needed to determine whether or not the hazard or limitation has been overcome by corrective measures. The extent of each listed map unit is shown in the "Acres and Proportionate Extent of Soils" table. The location is shown on the detailed soil maps. The soil qualities that affect use and management are described in other tables in this document."

Map symbol	Mapunit name	Farmland Classification
Or	Ord loam, 0 to 2 percent slopes	Prime farmland if drained
An	Anselmo fine sandy loam, 0 to 2 percent slopes	Prime farmland if irrigated
AnC	Anselmo fine sandy loam, 2 to 6 percent slopes	Prime farmland if irrigated
Dg	Doughboy fine sandy loam, 0 to 2 percent slopes	Prime farmland if irrigated
He	Hennings fine sandy loam, 0 to 2 percent slopes	Prime farmland if irrigated
HeC	Hennings fine sandy loam, 2 to 6 percent slopes	Prime farmland if irrigated
Jn	Jansen fine sandy loam, 0 to 2 percent slopes	Prime farmland if irrigated
Ke	Keya loam, 0 to 2 percent slopes	Prime farmland if irrigated
SnB	Satanta fine sandy loam, 0 to 3 percent slopes	Prime farmland if irrigated
TwC	Tuthill fine sandy loam, 3 to 6 percent slopes	Prime farmland if irrigated
Vz	Vetal fine sandy loam, 0 to 2 percent slopes	Prime farmland if irrigated

SOIL RATING FOR PLANT GROWTH, modified 1998
Cherry County, Nebraska

The "Soil Rating for Plant Growth, modified 1998" (SRPG) is a relative rating of the capacity of a soil to produce a specific plant under a defined management system. The index is determined from yield data on a few benchmark soils and is used to calculate yields, the net returns from crops, land assessment values, and taxes and to perform risk analysis when land management decisions are made. Specific information on plants and yields can be obtained from the local office of the Natural Resources Conservation Service or the Cooperative Extension Service.

Map symbol	Soil name	Crop Index
Ad	Almeria Loamy Fine Sand, Channeled, 0 To 2 Percent Slopes	10
Ae	Almeria Fine Sandy Loam, 0 To 2 Percent Slopes	31
Af	Almeria Fine Sandy Loam, Wet, 0 To 2 Percent Slopes	8
AmB	Anselmo Loamy Fine Sand, 0 To 3 Percent Slopes	48
AmC	Anselmo Loamy Fine Sand, 3 To 6 Percent Slopes	47
An	Anselmo Fine Sandy Loam, 0 To 2 Percent Slopes	49
AnC	Anselmo Fine Sandy Loam, 2 To 6 Percent Slopes	46
AnD	Anselmo Fine Sandy Loam, 6 To 11 Percent Slopes	43
AuF	Anselmo-Longpine Fine Sandy Loams, 9 To 30 Percent Slopes	25
BcG	Blownout Land-Valentine Complex, 0 To 60 Percent Slopes	9
Bm	Bolent Loamy Fine Sand, Channeled, 0 To 2 Percent Slopes	25
Bn	Bolent Fine Sandy Loam, 0 To 2 Percent Slopes	28
Bp	Bolent-Inglewood, Calcareous Loamy Fine Sands, 0 To 2 Percent Slopes	27
BsD	Busher Fine Sandy Loam, 6 To 9 Percent Slopes	46
BvF	Busher-Tassel Fine Sandy Loams, 9 To 30 Percent Slopes	30
Cr	Crowther Loam, 0 To 1 Percent Slopes	20
Cs	Crowther Loam, Wet, 0 To 1 Percent Slopes	5
Cv	Cullison Loam, 0 To 1 Percent Slopes	17
Cx	Cullison Loam, Wet, 0 To 1 Percent Slopes	4
Cy	Cutcomb Mucky Peat, 0 To 2 Percent Slopes	13
DaB	Dailey Loamy Fine Sand, 0 To 3 Percent Slopes	23
DaD	Dailey Loamy Fine Sand, 3 To 9 Percent Slopes	22
DfB	Doughboy Loamy Fine Sand, 0 To 3 Percent Slopes	25
Dg	Doughboy Fine Sandy Loam, 0 To 2 Percent Slopes	26
DtB	Duda-Fishberry Loamy Fine Sands, 0 To 3 Percent Slopes	17
DuB	Dunday Loamy Fine Sand, 0 To 3 Percent Slopes	33
DuD	Dunday Loamy Fine Sand, 3 To 9 Percent Slopes	31
Ec	Els Fine Sand, 0 To 2 Percent Slopes	23
EfB	Els-Ipage Fine Sands, 0 To 3 Percent Slopes	24
Eh	Els-Tryon Complex, 0 To 2 Percent Slopes	23
Em	Els, Calcareous-Hoffland Complex, 0 To 2 Percent Slopes	16
En	Els, Calcareous-Selia Fine Sands, 0 To 2 Percent Slopes	16
Es	Elsmere Loamy Fine Sand, 0 To 2 Percent Slopes	26
Et	Elsmere Loamy Fine Sand, Calcareous, 0 To 2 Percent Slopes	21
Ew	Elsmere-Loup Complex, 0 To 2 Percent Slopes	27
FbC	Fishberry Fine Sandy Loam, 0 To 6 Percent Slopes	7
FcF	Fishberry-Duda Loamy Fine Sands, 6 To 30 Percent Slopes	12
FdG	Fishberry-Rock Outcrop Complex, 20 To 60 Percent Slopes	1
Fe	Fluvaquents, Sandy, 0 To 1 Percent Slopes	3
Ga	Gannett Loam, 0 To 1 Percent Slopes	41
Gb	Gannett Loam, Wet, 0 To 1 Percent Slopes	9
Gc	Gus Clay Loam, 0 To 1 Percent Slopes	42
Gf	Gus Clay Loam, Wet, 0 To 1 Percent Slopes	12
He	Hennings Fine Sandy Loam, 0 To 2 Percent Slopes	50
HeC	Hennings Fine Sandy Loam, 2 To 6 Percent Slopes	49
HeD	Hennings Fine Sandy Loam, 6 To 11 Percent Slopes	43
HgE	Hennings-Anselmo Fine Sandy Loams, 11 To 20 Percent Slopes	33
Hr	Hoffland Fine Sandy Loam, 0 To 1 Percent Slopes	17
Hs	Hoffland Fine Sandy Loam, Wet, 0 To 1 Percent Slopes	4
Ht	Holt Fine Sandy Loam, 0 To 2 Percent Slopes	27
HuC	Holt-Longpine Fine Sandy Loams, 2 To 6 Percent Slopes	23
HuD	Holt-Longpine Fine Sandy Loams, 6 To 9 Percent Slopes	21
HyC	Holt-Vetal Fine Sandy Loams, 0 To 6 Percent Slopes	37
Ic	Calamus Fine Sand, Calcareous, 0 To 2 Percent Slopes	31
Id	Calamus Loamy Fine Sand, Calcareous, 0 To 2 Percent Slopes	35
IgB	Ipage Fine Sand, 0 To 3 Percent Slopes	24
IhB	Ipage Fine Sand, Calcareous, 0 To 3 Percent Slopes	19
IpB	Ipage Loamy Fine Sand, 0 To 3 Percent Slopes	26
ItB	Ipage-Tryon Complex, 0 To 3 Percent Slopes	24
Jn	Jansen Fine Sandy Loam, 0 To 2 Percent Slopes	53
Ke	Keya Loam, 0 To 2 Percent Slopes	63
LfB	Libory Loamy Fine Sand, 0 To 3 Percent Slopes	48
Lh	Lodgepole Silt Loam, 0 To 1 Percent Slopes	11
Lo	Loup Fine Sandy Loam, 0 To 1 Percent Slopes	28
Lp	Loup Fine Sandy Loam, Wet, 0 To 1 Percent Slopes	8
Ma	Marlake Fine Sandy Loam, 0 To 1 Percent Slopes	3
McB	Mckelvie Loamy Fine Sand, 0 To 3 Percent Slopes	31
McD	Mckelvie Loamy Fine Sand, 3 To 9 Percent Slopes	29
McF	Mckelvie Loamy Fine Sand, 9 To 30 Percent Slopes	16
MdF	Mckelvie-Fishberry Loamy Fine Sands, 9 To 30 Percent Slopes	18
MeG	Mckelvie-Fishberry-Rock Outcrop Complex, 11 To 60 Percent Slopes	2
MfG	Mckelvie-Rock Outcrop Complex, 20 To 60 Percent Slopes	3
MgG	Mckelvie-Ustorthents Complex, 20 To 60 Percent Slopes	6
MxB	Meadin Loamy Sand, 0 To 3 Percent Slopes	28
MxF	Meadin Loamy Sand, 3 To 30 Percent Slopes	20
Mz	Medihemists, 0 To 2 Percent Slopes	5
NeB	Nenzel Loamy Fine Sand, 0 To 3 Percent Slopes	32
NfB	Nenzel Loamy Fine Sand, Calcareous, 0 To 3 Percent Slopes	23
Or	Ord Loam, 0 To 2 Percent Slopes	29
OsD	Orpha Loamy Fine Sand, 3 To 9 Percent Slopes	25
OtF	Orpha-Niobrara Loamy Fine Sands, 9 To 30 Percent Slopes	10

SOIL RATING FOR PLANT GROWTH, modified 1998
Cherry County, Nebraska

The "Soil Rating for Plant Growth, modified 1998" (SRPG) is a relative rating of the capacity of a soil to produce a specific plant under a defined management system. The index is determined from yield data on a few benchmark soils and is used to calculate yields, the net returns from crops, land assessment values, and taxes and to perform risk analysis when land management decisions are made. Specific information on plants and yields can be obtained from the local office of the Natural Resources Conservation Service or the Cooperative Extension Service.

Map symbol	Soil name	Crop Index
OxG	Orpha-Rock Outcrop Complex, 20 To 60 Percent Slopes	3
PtB	Pivot Loamy Fine Sand, 0 To 3 Percent Slopes	26
SfB	Sandose Loamy Fine Sand, 0 To 3 Percent Slopes	45
ShB	Sandose-Hennings Loamy Fine Sands, 0 To 3 Percent Slopes	44
ShC	Sandose-Hennings Loamy Fine Sands, 3 To 6 Percent Slopes	42
ShD	Sandose-Hennings Loamy Fine Sands, 6 To 11 Percent Slopes	39
SnB	Satanta Fine Sandy Loam, 0 To 3 Percent Slopes	53
SoB	Simeon Sand, 0 To 3 Percent Slopes	25
SvD	Simeon-Valentine Complex, 0 To 9 Percent Slopes	26
SvF	Simeon-Valentine Complex, 9 To 24 Percent Slopes	18
Tn	Tryon Fine Sandy Loam, 0 To 1 Percent Slopes	26
To	Tryon Fine Sandy Loam, Wet, 0 To 1 Percent Slopes	7
TwC	Tuthill Fine Sandy Loam, 3 To 6 Percent Slopes	45
TwD	Tuthill Fine Sandy Loam, 6 To 11 Percent Slopes	42
VcB	Valent Fine Sand, 0 To 3 Percent Slopes	25
VcD	Valent Fine Sand, 3 To 9 Percent Slopes	23
VcE	Valent Fine Sand, Rolling	17
VcF	Valent Complex, Rolling And Hilly	13
VcG	Valent Fine Sand, Hilly	1
VdD	Valent Loamy Fine Sand, 3 To 9 Percent Slopes	25
VgD	Valent-Els Fine Sands, 0 To 9 Percent Slopes	23
VhF	Valent-Tryon Fine Sands, 0 To 24 Percent Slopes	16
VkB	Valentine Fine Sand, 0 To 3 Percent Slopes	28
VkD	Valentine Fine Sand, 3 To 9 Percent Slopes	25
VkE	Valentine Fine Sand, Rolling	19
VkF	Valentine Complex, Rolling And Hilly	14
VkG	Valentine Fine Sand, Hilly	1
VmB	Valentine Loamy Fine Sand, 0 To 3 Percent Slopes	29
VmD	Valentine Loamy Fine Sand, 3 To 9 Percent Slopes	28
VnD	Valentine-Duda Complex, 3 To 9 Percent Slopes	27
VnF	Valentine-Duda Complex, 9 To 24 Percent Slopes	17
VoD	Valentine-Els Fine Sands, 0 To 9 Percent Slopes	24
VpD	Valentine-Libory Complex, 0 To 9 Percent Slopes	33
VsD	Valentine-Sandose Complex, 0 To 9 Percent Slopes	35
VwF	Valentine-Tryon Fine Sands, 0 To 24 Percent Slopes	17
VyB	Vetal Loamy Fine Sand, 0 To 3 Percent Slopes	46
Vz	Vetal Fine Sandy Loam, 0 To 2 Percent Slopes	51
W	Water	0
WeB	Wildhorse Fine Sand, 0 To 3 Percent Slopes	6

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Map symbol and soil name	Percent	Irr Cap Class	Nonirr Cap Class	Prime Farmland	Hydro-logic Group	Range site name	Windbreak suitability group	Erosion factors			Wind erodi-bility group	Wind erodi-bility index
								K	Kf	T		
Ad:ALMERIA------	85	N/A	6w	Not prime farmland	D	Wet Land		.17	.17	5	8	0
Ae:ALMERIA------	85	N/A	5w	Not prime farmland	D	Wet Subirrigated		.24	.24	5	8	0
Af:ALMERIA------	85	N/A	5w	Not prime farmland	D	Wet Land		---	---	5	8	0
AmB:ANSELMO-----	85	3e-	3e	Not prime farmland	B	Sandy 17-22" P.z.		.17	.17	5	2	134
AmC:ANSELMO-----	85	4e-	4e	Not prime farmland	B	Sandy 17-22" P.z.		.17	.17	5	2	134
An:ANSELMO------	85	2e-	2e	Prime farmland if irrigated	B	Sandy 17-22" P.z.		.20	.20	5	3	86
AnC:ANSELMO-----	85	3e-	3e	Prime farmland if irrigated	B	Sandy 17-22" P.z.		.20	.20	5	3	86
AnD:ANSELMO-----	85	4e-	4e	Not prime farmland	B	Sandy 17-22" P.z.		.20	.20	5	3	86
AuF:ANSELMO-----	55	N/A	6e	Not prime farmland	B	Sandy - Veg. Zone 2		.20	.20	5	3	86
AuF:LONGPINE----	35	N/A	6s	Not prime farmland	D	Shallow Limy - Veg. Zone 2		.24	.24	2	3	86
BcG:BLOWNOUT LAND----------	75	N/A	7e	Not prime farmland	A	No Site - Veg. Zone 2		.15	.15	5	1	310
BcG:VALENTINE---	20	N/A	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
Bm:BOLENT-------	85	N/A	6w	Not prime farmland	A	Subirrigated		.17	.17	5	2	134
Bn:BOLENT-------	90	4w-	4e	Not prime farmland	A	Subirrigated		.24	.24	5	3	86
Bp:BOLENT-------	60	4w-	4e	Not prime farmland	A	Subirrigated		.17	.17	5	2	134
Bp:INGLEWOOD----	30	4e-	4e	Not prime farmland	A	Sandy Lowland 17-22" P.z.		.17	.17	5	2	134
BsD:BUSHER------	85	4e-	4e	Not prime farmland	B	Sandy - Veg. Zone 2		.20	.20	4	3	86
BvF:BUSHER------	50	N/A	6e	Not prime farmland	B	Sandy - Veg. Zone 2		.20	.20	4	3	86
BvF:TASSEL------	35	N/A	6s	Not prime farmland	D	Shallow Limy - Veg. Zone 2		.24	.24	2	3	86
Cr:CROWTHER-----	85	N/A	5w	Not prime farmland	D	Wet Subirrigated		---	---	4	8	0

Cherry County, Nebraska: Initial
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Map symbol and soil name	Percent	Irr Cap Class	Nonirr Cap Class	Prime Farmland	Hydro-logic Group	Range site name	Windbreak suitability group	Erosion factors			Wind erodi-bility group	Wind erodi-bility index
								K	Kf	T		
Cs:CROWTHER-----	90	N/A	5w	Not prime farmland	D	Wet Land		---	---	4	8	0
Cv:CULLISON-----	85	N/A	5w	Not prime farmland	D	Wet Subirrigated		---	---	5	8	0
Cx:CULLISON-----	90	N/A	5w	Not prime farmland	D	Wet Land		---	---	5	8	0
Cy:CUTCOMB------	85	N/A	5w	Not prime farmland	D	Wet Land		---	---	5	8	0
DaB:DAILEY------	90	4e-	4e	Not prime farmland	A	Sandy - Veg. Zone 2		.17	.17	5	2	134
DaD:DAILEY------	90	4e-	6e	Not prime farmland	A	Sandy - Veg. Zone 2		.17	.17	5	2	134
DfB:DOUGHBOY----	85	3e-	4e	Not prime farmland	B	Sandy Lowland 17-22" P.z.		.17	.17	5	2	134
Dg:DOUGHBOY-----	85	2e-	3e	Prime farmland if irrigated	B	Sandy Lowland 17-22" P.z.		.20	.20	5	3	86
DtB:DUDA--------	45	4e-	4e	Not prime farmland	A	Sandy - Veg. Zone 2		.17	.17	3	2	134
DtB:FISHBERRY---	40	N/A	6e	Not prime farmland	D	Shallow Limy - Veg. Zone 2		.17	.17	2	2	134
DuB:DUNDAY------	85	3e-	4e	Not prime farmland	A	Sandy 17-22" P.z.		.17	.17	5	2	134
DuD:DUNDAY------	85	4e-	6e	Not prime farmland	A	Sandy 17-22" P.z.		.17	.17	5	2	134
Ec:ELS----------	85	4w-	6e	Not prime farmland	A	Subirrigated		.15	.15	5	1	220
EfB:ELS---------	60	4w-	6e	Not prime farmland	A	Subirrigated		.15	.15	5	1	220
EfB:IPAGE-------	30	4e-	6e	Not prime farmland	A	Sandy Lowland 17-22" P.z.		.15	.15	5	1	220
Eh:ELS----------	50	4w-	6e	Not prime farmland	A	Subirrigated		.15	.15	5	1	220
Eh:TRYON--------	45	N/A	5w	Not prime farmland	D	Wet Subirrigated		.17	.17	5	8	0
Em:ELS----------	50	4w-	6e	Not prime farmland	A	Subirrigated		.15	.15	5	1	220
Em:HOFFLAND-----	45	N/A	5w	Not prime farmland	D	Wet Subirrigated		---	---	3	8	0
En:ELS, CALCAREOUS-----	50	4w-	6e	Not prime farmland	A	Subirrigated		.15	.15	5	1	220

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Map symbol and soil name	Percent	Irr Cap Class	Nonirr Cap Class	Prime Farmland	Hydro-logic Group	Range site name	Windbreak suitability group	Erosion factors			Wind erodi-bility group	Wind erodi-bility index
								K	Kf	T		
En:SELIA--------	45	N/A	6s	Not prime farmland	C	Saline Subirrigated 14-22" P.z.		.15	.15	2	1	180
Es:ELSMERE------	85	4w-	4w	Not prime farmland	A	Subirrigated		.17	.17	5	2	134
Et:ELSMERE------	85	4w-	4w	Not prime farmland	A	Subirrigated		.17	.17	5	2	134
Ew:ELSMERE------	50	4w-	4w	Not prime farmland	A	Subirrigated		.17	.17	5	2	134
Ew:LOUP---------	45	N/A	5w	Not prime farmland	D	Wet Subirrigated		.20	.20	3	8	0
FbC:FISHBERRY---	90	N/A	6e	Not prime farmland	D	Shallow Limy - Veg. Zone 2		.24	.24	2	3	86
FcF:FISHBERRY---	55	N/A	6e	Not prime farmland	D	Shallow Limy - Veg. Zone 2		.17	.17	2	2	134
FcF:DUDA--------	35	N/A	6e	Not prime farmland	A	Sandy - Veg. Zone 2		.17	.17	3	2	134
FdG:FISHBERRY---	60	N/A	7e	Not prime farmland	D	Shallow Limy - Veg. Zone 2		.17	.17	2	2	134
FdG:ROCK OUTCROP	35	N/A	8s	Not prime farmland	D	No Site - Veg. Zone 2		---	---	-	8	0
Fe:FLUVAQUENTS, SANDY----------	85	N/A	8w	Not prime farmland	D	No Site - Veg. Zone 2		---	---	5	8	0
Ga:GANNETT------	90	N/A	5w	Not prime farmland	D	Wet Subirrigated		.24	.24	4	8	0
Gb:GANNETT------	90	N/A	5w	Not prime farmland	D	Wet Land		---	---	4	8	0
Gc:GUS----------	85	N/A	5w	Not prime farmland	D	Wet Subirrigated		---	---	5	8	0
Gf:GUS----------	85	N/A	5w	Not prime farmland	D	Wet Land		.24	.24	5	8	0
He:HENNINGS-----	85	2e-	2e	Prime farmland if irrigated	B	Silty - Veg. Zone 2		.20	.20	4	3	86
HeC:HENNINGS----	85	3e-	3e	Prime farmland if irrigated	B	Silty - Veg. Zone 2		.20	.20	4	3	86
HeD:HENNINGS----	85	4e-	4e	Not prime farmland	B	Silty - Veg. Zone 2		.20	.20	4	3	86
HgE:HENNINGS----	55	N/A	6e	Not prime farmland	B	Silty - Veg. Zone 2		.20	.20	4	3	86

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Map symbol and soil name	Percent	Irr Cap Class	Nonirr Cap Class	Prime Farmland	Hydro-logic Group	Range site name	Windbreak suitability group	Erosion factors			Wind erodi-bility group	Wind erodi-bility index
								K	Kf	T		
HgE:ANSELMO-----	40	N/A	6e	Not prime farmland	B	Sandy - Veg. Zone 2		.20	.20	5	3	86
Hr:HOFFLAND-----	85	N/A	5w	Not prime farmland	D	Wet Subirrigated		.20	.20	3	8	0
Hs:HOFFLAND-----	85	N/A	5w	Not prime farmland	D	Wet Land		---	---	3	8	0
Ht:HOLT---------	85	3e-	3e	Not prime farmland	B	Sandy - Veg. Zone 2		.20	.20	3	3	86
HuC:HOLT--------	55	3e-	3e	Not prime farmland	B	Sandy - Veg. Zone 2		.20	.20	3	3	86
HuC:LONGPINE----	30	N/A	6s	Not prime farmland	D	Shallow Limy - Veg. Zone 2		.24	.24	2	3	86
HuD:HOLT--------	50	4e-	4e	Not prime farmland	B	Sandy - Veg. Zone 2		.20	.20	3	3	86
HuD:LONGPINE----	35	N/A	6s	Not prime farmland	D	Shallow Limy - Veg. Zone 2		.24	.24	2	3	86
HyC:HOLT--------	60	3e-	3e	Not prime farmland	B	Sandy - Veg. Zone 2		.20	.20	3	3	86
HyC:VETAL-------	35	2e-	2e	Not prime farmland	B	Sandy - Veg. Zone 2		.20	.20	5	3	86
Ic:CALAMUS------	90	4e-	6e	Not prime farmland	A	Sandy Lowland - Veg. Zone 2		.15	.15	5	1	220
Id:CALAMUS------	90	4e-	4e	Not prime farmland	A	Sandy Lowland - Veg. Zone 2		.17	.17	5	2	134
IgB:IPAGE-------	85	4e-	6e	Not prime farmland	A	Sandy Lowland 17-22" P.z.		.15	.15	5	1	220
IhB:IPAGE-------	85	4e-	6e	Not prime farmland	A	Sandy Lowland 17-22" P.z.		.15	.15	5	1	220
IpB:IPAGE-------	85	4e-	4e	Not prime farmland	A	Sandy Lowland 17-22" P.z.		.17	.17	5	2	134
ItB:IPAGE-------	65	4e-	6e	Not prime farmland	A	Sandy Lowland 17-22" P.z.		.15	.15	5	1	220
ItB:TRYON-------	30	N/A	5w	Not prime farmland	D	Wet Subirrigated		.17	.17	5	8	0
Jn:JANSEN-------	85	2e-	2e	Prime farmland if irrigated	B	Sandy 17-22" P.z.		.20	.20	4	3	86
Ke:KEYA---------	90	1-	2c	Prime farmland if irrigated	B	Silty - Veg. Zone 2		.28	.28	5	6	48
LfB:LIBORY------	85	3e-	3e	Not prime farmland	A	Sandy Lowland 17-22" P.z.		.17	.17	5	2	134

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(Entries under "Erosion factors--T" apply to the entire profile. Entries under "K", "Kf", "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer)

Map symbol and soil name	Percent	Irr Cap Class	Nonirr Cap Class	Prime Farmland	Hydro-logic Group	Range site name	Windbreak suitability group	Erosion factors			Wind erodi-bility group	Wind erodi-bility index
								K	Kf	T		
Lh:LODGEPOLE----	90	4w-	3w	Not prime farmland	D	Clayey Overflow - Veg. Zone 2		.37	.37	3	6	48
Lo:LOUP---------	90	N/A	5w	Not prime farmland	D	Wet Subirrigated		.20	.20	3	8	0
Lp:LOUP---------	90	N/A	5w	Not prime farmland	D	Wet Land		---	---	3	8	0
Ma:MARLAKE------	85	N/A	8w	Not prime farmland	D	No Site - Veg. Zone 2		---	---	5	8	0
McB:MCKELVIE----	90	4e-	4e	Not prime farmland	A	Sandy - Veg. Zone 2		.17	.17	5	2	134
McD:MCKELVIE----	90	4e-	6e	Not prime farmland	A	Sands - Veg. Zone 2		.17	.17	5	2	134
McF:MCKELVIE----	90	N/A	6e	Not prime farmland	A	Sands - Veg. Zone 2		.17	.17	5	2	134
MdF:MCKELVIE----	60	N/A	6e	Not prime farmland	A	Sands - Veg. Zone 2		.17	.17	5	2	134
MdF:FISHBERRY---	35	N/A	6e	Not prime farmland	D	Shallow Limy - Veg. Zone 2		.17	.17	2	2	134
MeG:MCKELVIE----	65	N/A	7e	Not prime farmland	A	Savannah - Veg. Zone 2		.17	.17	5	2	134
MeG:FISHBERRY---	20	N/A	7e	Not prime farmland	D	Shallow Limy - Veg. Zone 2		.17	.17	2	2	134
MfG:MCKELVIE----	65	N/A	7e	Not prime farmland	A	Sands - Veg. Zone 2		.17	.17	5	2	134
MfG:ROCK OUTCROP	30	N/A	8s	Not prime farmland	D	No Site - Veg. Zone 2		---	---	-	8	0
MgG:MCKELVIE----	60	N/A	7e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
MgG:USTORTHENTS-	25	N/A	7e	Not prime farmland	B	Sandy 17-22" P.z.		.17	.17	5	2	134
MxB:MEADIN------	85	4s-	6s	Not prime farmland	A	Shallow To Gravel 17-25" P.z.		.17	.17	5	2	134
MxF:MEADIN------	85	N/A	6s	Not prime farmland	A	Shallow To Gravel 17-25" P.z.		.17	.17	5	2	134
Mz:MEDIHEMISTS--	85	N/A	8w	Not prime farmland	D	No Site - Veg. Zone 2		---	---	5	8	0
NeB:NENZEL------	90	4e-	4e	Not prime farmland	A	Sandy Lowland 17-22" P.z.		.17	.17	5	2	134

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(Entries under "Erosion factors--T" apply to the entire profile. Entries under "K", "Kf", "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer)

Map symbol and soil name	Percent	Irr Cap Class	Nonirr Cap Class	Prime Farmland	Hydro-logic Group	Range site name	Windbreak suitability group	Erosion factors			Wind erodi-bility group	Wind erodi-bility index
								K	Kf	T		
NfB:NENZEL------	90	4e-	4e	Not prime farmland	A	Sandy Lowland 17-22" P.z.		.17	.17	5	2	134
Or:ORD----------	85	3w-	3w	Prime farmland if drained	B	Subirrigated		.28	.28	4	4L	86
OsD:ORPHA-------	90	4e-	6e	Not prime farmland	A	Sands - Veg. Zone 2		.17	.17	5	2	134
OtF:ORPHA-------	60	N/A	6e	Not prime farmland	A	Sands - Veg. Zone 2		.17	.17	5	2	134
OtF:NIOBRARA----	35	N/A	6s	Not prime farmland	D	Shallow Limy - Veg. Zone 2		.17	.17	2	2	134
OxG:ORPHA-------	65	N/A	7e	Not prime farmland	A	Sands - Veg. Zone 2		.17	.17	5	2	134
OxG:ROCK OUTCROP	30	N/A	8s	Not prime farmland	D	No Site - Veg. Zone 2		---	---	-	8	0
PtB:PIVOT-------	85	3e-	4e	Not prime farmland	A	Sandy 17-22" P.z.		.17	.17	4	2	134
SfB:SANDOSE-----	85	3e-	3e	Not prime farmland	A	Sandy - Veg. Zone 2		.17	.17	5	2	134
ShB:SANDOSE-----	60	3e-	3e	Not prime farmland	A	Sandy - Veg. Zone 2		.17	.17	5	2	134
ShB:HENNINGS----	30	3e-	3e	Not prime farmland	B	Sandy - Veg. Zone 2		.17	.17	4	2	134
ShC:SANDOSE-----	65	3e-	4e	Not prime farmland	A	Sandy - Veg. Zone 2		.17	.17	5	2	134
ShC:HENNINGS----	30	3e-	4e	Not prime farmland	B	Sandy - Veg. Zone 2		.17	.17	4	2	134
ShD:SANDOSE-----	65	4e-	6e	Not prime farmland	A	Sandy - Veg. Zone 2		.17	.17	5	2	134
ShD:HENNINGS----	30	4e-	6e	Not prime farmland	B	Sandy - Veg. Zone 2		.17	.17	4	2	134
SnB:SATANTA-----	85	2e-	3e	Prime farmland if irrigated	B	Silty - Veg. Zone 2		.20	.20	5	3	86
SoB:SIMEON------	90	4s-	6s	Not prime farmland	A	Shallow To Gravel 17-25" P.z.		.15	.15	5	1	250
SvD:SIMEON------	60	4s-	6s	Not prime farmland	A	Shallow To Gravel 17-25" P.z.		.15	.15	5	1	250
SvD:VALENTINE---	35	4e-	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250

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Map symbol and soil name	Percent	Irr Cap Class	Nonirr Cap Class	Prime Farmland	Hydro-logic Group	Range site name	Windbreak suitability group	Erosion factors			Wind erodi-bility group	Wind erodi-bility index
								K	Kf	T		
SvF:SIMEON------	60	N/A	6s	Not prime farmland	A	Shallow To Gravel 17-25" P.z.		.15	.15	5	1	250
SvF:VALENTINE---	30	N/A	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
Tn:TRYON--------	90	N/A	5w	Not prime farmland	D	Wet Subirrigated		.20	.20	5	8	0
To:TRYON--------	90	N/A	5w	Not prime farmland	D	Wet Land		---	---	5	8	0
TwC:TUTHILL-----	85	3e-	3e	Prime farmland if irrigated	B	Sandy - Veg. Zone 2		.20	.20	4	3	86
TwD:TUTHILL-----	90	4e-	4e	Not prime farmland	B	Sandy - Veg. Zone 2		.20	.20	4	3	86
VcB:VALENT------	95	4e-	6e	Not prime farmland	A	Sandy 17-22" P.z.		.15	.15	5	1	250
VcD:VALENT------	95	4e-	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
VcE:VALENT------	95	N/A	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
VcF:VALENT------	65	N/A	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
	30	N/A	7e	Not prime farmland	A	Choppy Sands 17-22" P.z.		.15	.15	5	1	250
VcG:VALENT------	99	N/A	7e	Not prime farmland	A	Choppy Sands 17-22" P.z.		.15	.15	5	1	250
VdD:VALENT------	90	4e-	6e	Not prime farmland	A	Sands 17-22" P.z.		.17	.17	5	2	134
VgD:VALENT------	55	4e-	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
VgD:ELS---------	40	4w-	6e	Not prime farmland	A	Subirrigated		.15	.15	5	1	220
VhF:VALENT------	65	N/A	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
VhF:TRYON-------	34	N/A	5w	Not prime farmland	D	Wet Land		.15	.15	5	8	0
VkB:VALENTINE---	90	4e-	6e	Not prime farmland	A	Sandy 17-22" P.z.		.15	.15	5	1	250
VkD:VALENTINE---	95	4e-	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
VkE:VALENTINE---	95	N/A	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250

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Map symbol and soil name	Percent	Irr Cap Class	Nonirr Cap Class	Prime Farmland	Hydro-logic Group	Range site name	Windbreak suitability group	Erosion factors			Wind erodi-bility group	Wind erodi-bility index
								K	Kf	T		
VkF:VALENTINE---	65	N/A	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
	30	N/A	7e	Not prime farmland	A	Choppy Sands 17-22" P.z.		.15	.15	5	1	250
VkG:VALENTINE---	99	N/A	7e	Not prime farmland	A	Choppy Sands 17-22" P.z.		.15	.15	5	1	250
VmB:VALENTINE---	90	4e-	4e	Not prime farmland	A	Sandy 17-22" P.z.		.17	.17	5	2	134
VmD:VALENTINE---	90	4e-	6e	Not prime farmland	A	Sands 17-22" P.z.		.17	.17	5	2	134
VnD:VALENTINE---	60	4e-	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
VnD:DUDA--------	30	4e-	6e	Not prime farmland	A	Sandy 17-22" P.z.		.17	.17	3	2	134
VnF:VALENTINE---	60	N/A	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
VnF:DUDA--------	25	N/A	6e	Not prime farmland	A	Sandy 17-22" P.z.		.17	.17	3	2	134
VoD:VALENTINE---	55	4e-	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
VoD:ELS---------	40	4w-	6e	Not prime farmland	A	Subirrigated		.15	.15	5	1	220
VpD:VALENTINE---	65	4e-	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
VpD:LIBORY------	33	3e-	3e	Not prime farmland	A	Sandy Lowland 17-22" P.z.		.17	.17	5	2	134
VsD:VALENTINE---	60	4e-	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
VsD:SANDOSE-----	30	3e-	3e	Not prime farmland	A	Sandy 17-22" P.z.		.17	.17	5	2	134
VwF:VALENTINE---	65	N/A	6e	Not prime farmland	A	Sands 17-22" P.z.		.15	.15	5	1	250
VwF:TRYON-------	34	N/A	5w	Not prime farmland	D	Wet Land		.15	.15	5	8	0
VyB:VETAL-------	90	3e-	3e	Not prime farmland	B	Sandy - Veg. Zone 2		.20	.17	5	2	134
Vz:VETAL--------	90	2e-	2e	Prime farmland if irrigated	B	Sandy 17-22" P.z.		.20	.20	5	3	86
W:WATER---------	100	N/A	N/A	Not prime farmland		Unspecified		---	---	-	---	0

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Map symbol and soil name	Percent	Irr Cap Class	Nonirr Cap Class	Prime Farmland	Hydro-logic Group	Range site name	Windbreak suitability group	Erosion factors			Wind erodi-bility group	Wind erodi-bility index
								K	Kf	T		
WeB:WILDHORSE---	90	N/A	6s	Not prime farmland	A	Saline Subirrigated 14-22" P.z.		.15	.15	5	1	220

RANGELAND PRODUCTIVITY
Cherry County, Nebraska

Use and Explanation of Rangeland, Grazed Forest Land, Native Pastureland Interpretations

Information in this subsection can be used to plan the use and management of soils for rangeland, grazed forest land, and native pasture. Different kinds of soils vary in their capacity to produce native grasses and other plants suitable for grazing. Information in this subsection provides groupings of similar soils and estimates of potential forage production, which can be used to determine livestock stocking rates.

Rangeland. Range is land on which the native vegetation (climax or natural potential plant community) is predominantly grasses, grasslike plants, forbs, and shrubs suitable for grazing and browsing. Range includes natural grasslands, savannas, many wetlands, some deserts, tundra, and certain shrub and forb communities. Rangeland receives no regular or frequent cultural treatment. The composition and production of the plant community are determined by soil, climate, topography, overstory canopy, and grazing management.

Grazed Forest Land. Includes land on which the understory includes, as an integral part of the forest plant community, plants that can be grazed without significantly impairing other forest values.

Native Pasture. Includes land on which the native vegetation (climax or natural potential plant community) is forest but which is used and managed primarily for production of native plants for forage. Native pasture includes cut-over forest land and forest land cleared and now managed for native or naturalized forage plants.

Rangeland

In areas that have similar climate and topography, differences in the kind and amount of vegetation produced on rangeland are closely related to the kind of soil. Effective management based on the relationship between the soils and vegetation and water.

The Rangeland, Grazed Forest land, Native Pastureland Interpretations shows, for each soil that supports rangeland vegetation, the ecological site and the potential annual production of vegetation in favorable, normal, unfavorable years. An explanation of the column headings in this table follows.

An ecological site is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time throughout the soil development process; a characteristic hydrology, particularly infiltration and runoff, that has developed over time; and a characteristic plant community (kind and amount of vegetation). The hydrology of a site is influenced by development of the soil and plant community. The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. The plant community on an ecological site is typified by an association of species that differs from that of other ecological sites in the kind and/or proportion of species or in total production. Descriptions of ecological sites are provided in the Field Office Technical Guide, which is available in local offices of the Natural Resources Conservation Service.

Total dry-weight production is the amount of vegetation that can be expected to grow annually on well managed rangeland that is supporting the potential natural plant community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's growth of leaves, twigs, and fruits of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation for favorable, average, and unfavorable years. In a favorable year, the amount and distribution of precipitation and the temperatures make growing conditions substantially better than average. In a normal year, growing conditions are about average. In an unfavorable year, growing conditions are well below average, generally because of low available soil moisture. Yields are adjusted to a common percent of air-dry moisture content.

Range management requires a knowledge of the kinds of soil and of the potential natural plant community. It also requires an evaluation of the present range similarity index and rangeland trend. Range similarity index is determined by comparing the present plant community with the potential natural plant community on a particular rangeland ecological site. The more closely the existing community resembles the potential community, the higher the range similarity index. Rangeland trend is defined as the direction of change in an existing plant community relative to the potential natural plant community. Further information about the range similarity index and rangeland trend is available in chapter 4 of the National Range and Pasture Handbook, which is available in local offices of the Natural Resources Conservation Service. The objective in range management is to control grazing so that the plants growing on a site are about the same in kind and amount as the potential natural plant community for that site. Such management generally results in the optimum production of vegetation, control of undesirable brush species, conservation of water, and control of erosion. Sometimes, however, an area with a range similarity index somewhat below the potential meets grazing needs, provides wildlife habitat, and protects soil and water resources.

RANGELAND PRODUCTIVITY--Continued
Cherry County, Nebraska

(Only the soils that support rangeland vegetation suitable for grazing are rated.) Refer to range site description to determine the percentage allowable of grasses, forbs, and shrubs for the range ecological site.

Map symbol and soil name	Ecological site	Total dry-weight production		
		Favorable year	Average year	Unfavorable year
		Lb/acre	Lb/acre	Lb/acre
Ad:				
Almeria	Wet Land	5,500	5,000	4,500
Ae:				
Almeria	Wet Subirrigated	5,300	4,700	4,200
Af:				
Almeria	Wet Land	5,500	5,000	4,500
AmB:				
Anselmo	Sandy 17-22" P.z.	3,000	2,600	2,200
AmC:				
Anselmo	Sandy 17-22" P.z.	3,000	2,600	2,200
An:				
Anselmo	Sandy 17-22" P.z.	3,000	2,600	2,200
AnC:				
Anselmo	Sandy 17-22" P.z.	3,000	2,600	2,200
AnD:				
Anselmo	Sandy 17-22" P.z.	3,000	2,600	2,200
AuF:				
Anselmo	Sandy - Veg. Zone 2	3,000	2,600	2,200
Longpine	Shallow Limy - Veg. Zone 2	1,200	1,100	900
BcG:				
Blownout Land	No Site - Veg. Zone 2	---	---	---
Valentine	Sands 17-22" P.z.	3,000	2,600	2,200
Bm:				
Bolent	Subirrigated	5,500	5,000	4,200
Bn:				
Bolent	Subirrigated	5,500	5,000	4,200
Bp:				
Bolent	Subirrigated	5,500	5,000	4,200
Inglewood	Sandy Lowland 17-22" P.z.	4,000	3,000	2,500
BsD:				
Busher	Sandy - Veg. Zone 2	3,000	2,300	1,700
BvF:				
Busher	Sandy - Veg. Zone 2	3,000	2,300	1,700
Tassel	Shallow Limy - Veg. Zone 2	1,500	1,100	700
Cr:				
Crowther	Wet Subirrigated	5,300	4,800	4,300
Cs:				
Crowther	Wet Land	5,500	5,000	4,500
Cv:				
Cullison	Wet Subirrigated	5,300	4,700	4,200
Cx:				
Cullison	Wet Land	5,500	5,000	4,500
Cy:				
Cutcomb	Wet Land	5,400	5,100	5,000
DaB:				
Dailey	Sandy - Veg. Zone 2	3,000	2,300	1,700
DaD:				
Dailey	Sandy - Veg. Zone 2	3,000	2,300	1,700
DfB:				
Doughboy	Sandy Lowland 17-22" P.z.	3,000	2,800	2,500
Dg:				
Doughboy	Sandy Lowland 17-22" P.z.	3,000	2,800	2,500
DtB:				
Duda	Sandy - Veg. Zone 2	3,500	2,900	2,200
Fishberry	Shallow Limy - Veg. Zone 2	1,500	1,100	1,000
DuB:				
Dunday	Sandy 17-22" P.z.	2,600	2,300	1,900
DuD:				
Dunday	Sandy 17-22" P.z.	2,600	2,300	1,900
Ec:				
Els	Subirrigated	4,900	4,700	4,400
EfB:				
Els	Subirrigated	4,900	4,700	4,400
Ipage	Sandy Lowland 17-22" P.z.	3,500	3,200	3,000
Eh:				
Els	Subirrigated	4,900	4,700	4,400
Tryon	Wet Subirrigated	5,300	5,000	4,700
Em:				
Els	Subirrigated	4,800	4,600	4,300
Hoffland	Wet Subirrigated	5,300	4,800	4,300
En:				
Els, Calcareous	Subirrigated	4,800	4,600	4,300
Selia	Saline Subirrigated 14-22" P.z.	3,400	3,000	2,600
Es:				
Elsmere	Subirrigated	5,000	4,800	4,500
Et:				
Elsmere	Subirrigated	5,000	4,700	4,400
Ew:				
Elsmere	Subirrigated	5,000	4,800	4,500
Loup	Wet Subirrigated	5,300	5,000	4,700
FbC:				
Fishberry	Shallow Limy - Veg. Zone 2	1,500	1,100	1,000
FcF:				
Fishberry	Shallow Limy - Veg. Zone 2	1,500	1,100	1,000

RANGELAND PRODUCTIVITY--Continued
Cherry County, Nebraska

(Only the soils that support rangeland vegetation suitable for grazing are rated.) Refer to range site description to determine the percentage allowable of grasses, forbs, and shrubs for the range ecological site.

Map symbol and soil name	Ecological site	Total dry-weight production		
		Favorable year	Average year	Unfavorable year
		Lb/acre	Lb/acre	Lb/acre
Duda	Sandy - Veg. Zone 2	3,500	2,900	2,200
FdG:				
Fishberry	Shallow Limy - Veg. Zone 2	1,500	1,100	1,000
Rock Outcrop	No Site - Veg. Zone 2	0	0	0
Fe:				
Fluvaquents, Sandy	No Site - Veg. Zone 2	---	---	---
Ga:				
Gannett	Wet Subirrigated	5,300	5,000	4,700
Gb:				
Gannett	Wet Land	5,500	5,300	5,200
Gc:				
Gus	Wet Subirrigated	5,400	5,100	4,800
Gf:				
Gus	Wet Land	5,600	5,400	5,300
He:				
Hennings	Silty - Veg. Zone 2	3,300	2,500	1,700
HeC:				
Hennings	Silty - Veg. Zone 2	3,300	2,500	1,700
HeD:				
Hennings	Silty - Veg. Zone 2	3,300	2,500	1,700
HgE:				
Hennings	Silty - Veg. Zone 2	3,300	2,500	1,700
Anselmo	Sandy - Veg. Zone 2	3,000	2,600	2,200
Hr:				
Hoffland	Wet Subirrigated	5,300	4,800	4,300
Hs:				
Hoffland	Wet Land	5,500	5,000	4,500
Ht:				
Holt	Sandy - Veg. Zone 2	3,100	2,600	1,800
HuC:				
Holt	Sandy - Veg. Zone 2	3,100	2,600	1,800
Longpine	Shallow Limy - Veg. Zone 2	1,200	1,100	900
HuD:				
Holt	Sandy - Veg. Zone 2	3,100	2,600	1,800
Longpine	Shallow Limy - Veg. Zone 2	1,200	1,100	900
HyC:				
Holt	Sandy - Veg. Zone 2	3,100	2,600	1,800
Vetal	Sandy - Veg. Zone 2	3,000	2,300	1,700
Ic:				
Calamus	Sandy Lowland - Veg. Zone 2	4,000	3,000	2,500
Id:				
Calamus	Sandy Lowland - Veg. Zone 2	4,000	3,000	2,500
IgB:				
Ipage	Sandy Lowland 17-22" P.z.	3,500	3,200	3,000
IhB:				
Ipage	Sandy Lowland 17-22" P.z.	3,500	3,200	3,000
IpB:				
Ipage	Sandy Lowland 17-22" P.z.	3,500	3,200	3,000
ItB:				
Ipage	Sandy Lowland 17-22" P.z.	3,500	3,200	3,000
Tryon	Wet Subirrigated	5,300	5,000	4,700
Jn:				
Jansen	Sandy 17-22" P.z.	3,500	3,300	3,000
Ke:				
Keya	Silty - Veg. Zone 2	3,700	3,200	2,200
LfB:				
Libory	Sandy Lowland 17-22" P.z.	4,300	3,500	2,700
Lh:				
Lodgepole	Clayey Overflow - Veg. Zone 2	1,200	1,000	700
Lo:				
Loup	Wet Subirrigated	5,300	5,000	4,700
Lp:				
Loup	Wet Land	5,500	5,200	4,800
Ma:				
Marlake	No Site - Veg. Zone 2	---	---	---
McB:				
Mckelvie	Sandy - Veg. Zone 2	3,000	2,300	1,700
McD:				
Mckelvie	Sands - Veg. Zone 2	3,000	2,300	1,700
McF:				
Mckelvie	Sands - Veg. Zone 2	3,000	2,300	1,700
MdF:				
Mckelvie	Sands - Veg. Zone 2	3,000	2,300	1,700
Fishberry	Shallow Limy - Veg. Zone 2	1,500	1,100	1,000
MeG:				
Mckelvie	Savannah - Veg. Zone 2	2,500	2,000	1,500
Fishberry	Shallow Limy - Veg. Zone 2	1,500	1,100	1,000
MfG:				
Mckelvie	Sands - Veg. Zone 2	3,000	2,300	1,700
Rock Outcrop	No Site - Veg. Zone 2	0	0	0
MgG:				
Mckelvie	Sands 17-22" P.z.	3,000	2,300	1,700
Ustorthents	Sandy 17-22" P.z.	3,000	2,300	1,600
MxB:				
Meadin	Shallow To Gravel 17-25" P.z.	1,500	1,300	1,100

RANGELAND PRODUCTIVITY--Continued
Cherry County, Nebraska

(Only the soils that support rangeland vegetation suitable for grazing are rated.) Refer to range site description to determine the percentage allowable of grasses, forbs, and shrubs for the range ecological site.

Map symbol and soil name	Ecological site	Total dry-weight production		
		Favorable year	Average year	Unfavorable year
		Lb/acre	Lb/acre	Lb/acre
MxF:				
Meadin	Shallow To Gravel 17-25" P.z.	1,500	1,300	1,100
Mz:				
Medihemists	No Site - Veg. Zone 2	6,200	6,000	5,800
NeB:				
Nenzel	Sandy Lowland 17-22" P.z.	3,000	2,500	2,100
NfB:				
Nenzel	Sandy Lowland 17-22" P.z.	3,000	2,500	2,100
Or:				
Ord	Subirrigated	5,500	5,300	5,000
OsD:				
Orpha	Sands - Veg. Zone 2	3,000	2,300	1,700
OtF:				
Orpha	Sands - Veg. Zone 2	3,000	2,300	1,700
Niobrara	Shallow Limy - Veg. Zone 2	1,000	700	500
OxG:				
Orpha	Sands - Veg. Zone 2	3,000	2,300	1,700
Rock Outcrop	No Site - Veg. Zone 2	0	0	0
PtB:				
Pivot	Sandy 17-22" P.z.	3,300	3,000	2,600
SfB:				
Sandose	Sandy - Veg. Zone 2	3,000	2,300	1,600
ShB:				
Sandose	Sandy - Veg. Zone 2	3,000	2,300	1,600
Hennings	Sandy - Veg. Zone 2	3,000	2,300	1,600
ShC:				
Sandose	Sandy - Veg. Zone 2	3,000	2,300	1,600
Hennings	Sandy - Veg. Zone 2	3,000	2,300	1,600
ShD:				
Sandose	Sandy - Veg. Zone 2	3,000	2,300	1,600
Hennings	Sandy - Veg. Zone 2	3,000	2,300	1,600
SnB:				
Satanta	Silty - Veg. Zone 2	3,200	2,500	1,800
SoB:				
Simeon	Shallow To Gravel 17-25" P.z.	1,500	1,300	800
SvD:				
Simeon	Shallow To Gravel 17-25" P.z.	1,500	1,300	800
Valentine	Sands 17-22" P.z.	3,000	2,600	2,200
SvF:				
Simeon	Shallow To Gravel 17-25" P.z.	1,400	1,200	700
Valentine	Sands 17-22" P.z.	3,000	2,600	2,200
Tn:				
Tryon	Wet Subirrigated	5,300	5,000	4,700
To:				
Tryon	Wet Land	5,500	5,300	5,000
TwC:				
Tuthill	Sandy - Veg. Zone 2	3,000	2,500	1,700
TwD:				
Tuthill	Sandy - Veg. Zone 2	3,000	2,500	1,700
VcB:				
Valent	Sandy 17-22" P.z.	2,600	2,300	1,900
VcD:				
Valent	Sands 17-22" P.z.	3,000	2,600	2,000
VcE:				
Valent	Sands 17-22" P.z.	3,000	2,600	2,000
VcF:				
Valent	Sands 17-22" P.z.	3,000	2,600	2,000
Valent	Choppy Sands 17-22" P.z.	2,800	2,400	1,800
VcG:				
Valent	Choppy Sands 17-22" P.z.	2,800	2,400	1,800
VdD:				
Valent	Sands 17-22" P.z.	3,000	2,600	2,000
VgD:				
Valent	Sands 17-22" P.z.	3,000	2,600	2,000
Els	Subirrigated	4,900	4,700	4,400
VhF:				
Valent	Sands 17-22" P.z.	3,000	2,600	2,000
Tryon	Wet Land	5,500	5,300	5,000
VkB:				
Valentine	Sandy 17-22" P.z.	3,000	2,600	2,200
VkD:				
Valentine	Sands 17-22" P.z.	3,000	2,600	2,200
VkE:				
Valentine	Sands 17-22" P.z.	3,000	2,600	2,200
VkF:				
Valentine	Sands 17-22" P.z.	3,000	2,600	2,200
Valentine	Choppy Sands 17-22" P.z.	2,800	2,600	2,300
VkG:				
Valentine	Choppy Sands 17-22" P.z.	2,800	2,600	2,300
VmB:				
Valentine	Sandy 17-22" P.z.	3,000	2,600	2,200
VmD:				
Valentine	Sands 17-22" P.z.	3,000	2,600	2,200
VnD:				
Valentine	Sands 17-22" P.z.	3,000	2,600	2,200

RANGELAND PRODUCTIVITY--Continued
Cherry County, Nebraska

(Only the soils that support rangeland vegetation suitable for grazing are rated.) Refer to range site description to determine the percentage allowable of grasses, forbs, and shrubs for the range ecological site.

Map symbol and soil name	Ecological site	Total dry-weight production		
		Favorable year	Average year	Unfavorable year
		Lb/acre	Lb/acre	Lb/acre
Duda	Sandy 17-22" P.z.	3,500	2,900	2,200
VnF:				
Valentine	Sands 17-22" P.z.	3,000	2,600	2,200
Duda	Sandy 17-22" P.z.	3,500	2,900	2,200
VoD:				
Valentine	Sands 17-22" P.z.	3,000	2,600	2,200
Els	Subirrigated	4,900	4,700	4,400
VpD:				
Valentine	Sands 17-22" P.z.	3,000	2,600	2,200
Libory	Sandy Lowland 17-22" P.z.	4,300	3,500	2,700
VsD:				
Valentine	Sands 17-22" P.z.	3,000	2,600	2,200
Sandose	Sandy 17-22" P.z.	3,000	2,300	1,600
VwF:				
Valentine	Sands 17-22" P.z.	3,000	2,600	2,200
Tryon	Wet Land	5,500	5,300	5,000
VyB:				
Vetal	Sandy - Veg. Zone 2	2,000	1,500	800
Vz:				
Vetal	Sandy 17-22" P.z.	3,000	2,300	1,700
W:				
Water	---	---	---	---
WeB:				
Wildhorse	Saline Subirrigated 14-22" P.z.	3,200	2,800	2,400

BUILDING SITE DEVELOPMENT
Cherry County, Nebraska

Building Site Development

Soil properties influence the development of building sites, including the selection of the site, the design of the structure, construction, performance after construction, and maintenance. These tables show the degree and kind of soil limitations that affect dwellings with and without basements, small commercial buildings, local roads and streets, shallow excavations, and lawns and landscaping.

The ratings in the tables are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect building site development. Not limited indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. Slightly limited indicates that the soil has features that are favorable for the specified use. The limitations are minor and can be easily overcome. Good performance and low maintenance can be expected. Somewhat limited indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. Very limited indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Dwellings are single-family houses of three stories or less. For dwellings without basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. For dwellings with basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of about 7 feet. The ratings for dwellings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility. Compressibility is inferred from the Unified classification. The properties that affect the ease and amount of excavation include depth to a water table, ponding, flooding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

Small commercial buildings are structures that are less than three stories high and do not have basements. The foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. The ratings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility (which is inferred from the Unified classification). The properties that affect the ease and amount of excavation include flooding, depth to a water table, ponding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

Local roads and streets have an all-weather surface and carry automobile and light truck traffic all year. They have a subgrade of cut or fill soil material; a base of gravel, crushed rock, or soil material stabilized by lime or cement; and a surface of flexible material (asphalt), rigid material (concrete), or gravel with a binder. The ratings are based on the soil properties that affect the ease of excavation and grading and the traffic-supporting capacity. The properties that affect the ease of excavation and grading are depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, depth to a water table, ponding, flooding, the amount of large stones, and slope. The properties that affect the traffic-supporting capacity are soil strength (as inferred from the AASHTO group index number), subsidence, linear extensibility (shrink-swell potential), the potential for frost action, depth to a water table, and ponding.

Shallow excavations are trenches or holes dug to a maximum depth of 5 or 6 feet for graves, utility lines, open ditches, or other purposes. The ratings are based on the soil properties that influence the ease of digging and the resistance to sloughing. Depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, the amount of large stones, and dense layers influence the ease of digging, filling, and compacting. Depth to the seasonal high water table, flooding, and ponding may restrict the period when excavations can be made. Slope influences the ease of using machinery. Soil texture, depth to the water table, and linear extensibility (shrink-swell potential) influence the resistance to sloughing.

Lawns and landscaping require soils on which turf and ornamental trees and shrubs can be established and maintained. Irrigation is not considered in the ratings. The ratings are based on the soil properties that affect plant growth and trafficability after vegetation is established. The properties that affect plant growth are reaction; depth to a water table; ponding; depth to bedrock or a cemented pan; the available water capacity in the upper 40 inches; the content of salts, sodium, or calcium carbonate; and sulfidic materials. The properties that affect trafficability are flooding, depth to a water table, ponding, slope, stoniness, and the amount of sand, clay, or organic matter in the surface layer.

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ad:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Ae:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Af:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
AmB:							
Anselmo----------	85	Not limited		Not limited		Not limited	
AmC:							
Anselmo----------	85	Not limited		Not limited		Somewhat limited	
						Slope	0.12
An:							
Anselmo----------	85	Not limited		Not limited		Not limited	
AnC:							
Anselmo----------	85	Not limited		Not limited		Somewhat limited	
						Slope	0.00
AnD:							
Anselmo----------	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
AuF:							
Anselmo----------	55	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.84	Slope	0.84	Slope	1.00
Longpine----------	35	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to soft bedrock	1.00
BcG:							
Blownout Land-------	75	Not rated		Not rated		Not rated	
Valentine----------	20	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.96	Slope	0.96	Slope	1.00
Bm:							
Bolent----------	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
Bn:							
Bolent----------	90	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
Bp:							
Bolent----------	60	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
Inglewood----------	30	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.35		
BsD:							
Busher----------	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.00	Slope	0.00	Slope	1.00
BvF:							
Busher----------	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Tassel----------	35	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to soft bedrock	1.00
Cr:							
Crowther----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50			Shrink-swell	0.50

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cs:							
Crowther----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50			Shrink-swell	0.50
Cv:							
Cullison----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Cx:							
Cullison----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Cy:							
Cutcomb----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Content of organic matter	1.00	Content of organic matter	1.00	Content of organic matter	1.00
		Subsidence	1.00	Subsidence	1.00	Subsidence	1.00
DaB:							
Dailey----------	90	Not limited		Not limited		Not limited	
DaD:							
Dailey----------	90	Not limited		Not limited		Somewhat limited	
						Slope	0.48
DfB:							
Doughboy----------	85	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.35		
Dg:							
Doughboy----------	85	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.35		
DtB:							
Duda----------	45	Not limited		Somewhat limited		Not limited	
				Depth to soft bedrock	0.42		
Fishberry----------	40	Somewhat limited		Very limited		Somewhat limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
DuB:							
Dunday----------	85	Not limited		Not limited		Not limited	
DuD:							
Dunday----------	85	Not limited		Not limited		Somewhat limited	
						Slope	0.48
Ec:							
Els----------	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
EfB:							
Els----------	60	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
Ipage----------	30	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.61		
Eh:							
Els----------	50	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
Tryon----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Em:							
Els----------	50	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
Hoffland----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
En:							
Els, Calcareous-----	50	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
Selia----------	45	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
Es:							
Elsmere----------	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
Et:							
Elsmere----------	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
Ew:							
Elsmere----------	50	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
Loup----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
FbC:							
Fishberry----------	90	Somewhat limited		Very limited		Somewhat limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
FcF:							
Fishberry----------	55	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
Duda----------	35	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Depth to soft bedrock	0.42	Slope	1.00
				Slope	0.37		
FdG:							
Fishberry----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
Rock Outcrop--------	35	Not rated		Not rated		Not rated	
Fe:							
Fluvaquents, Sandy--	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Ga:							
Gannett----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Gb:							
Gannett----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Gc:							
Gus----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Gf:							
Gus----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
He:							
Hennings----------	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
HeC:							
Hennings----------	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.00
HeD:							
Hennings----------	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.04	Slope	0.04	Shrink-swell	0.50

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HgE:							
Hennings----------	55	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Anselmo----------	40	Somewhat limited Slope	0.96	Somewhat limited Slope	0.96	Very limited Slope	1.00
Hr:							
Hoffland----------	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Hs:							
Hoffland----------	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Ht:							
Holt----------	85	Not limited		Somewhat limited Depth to soft bedrock	0.64	Not limited	
HuC:							
Holt----------	55	Not limited		Somewhat limited Depth to soft bedrock	0.64	Somewhat limited Slope	0.00
Longpine----------	30	Somewhat limited Depth to soft bedrock	1.00	Very limited Depth to soft bedrock	1.00	Somewhat limited Depth to soft bedrock Slope	1.00 0.00
HuD:							
Holt----------	50	Somewhat limited Slope	0.00	Somewhat limited Depth to soft bedrock Slope	0.64 0.00	Very limited Slope	1.00
Longpine----------	35	Somewhat limited Depth to soft bedrock Slope	1.00 0.00	Very limited Depth to soft bedrock Slope	1.00 0.00	Very limited Depth to soft bedrock Slope	1.00 1.00
HyC:							
Holt----------	60	Not limited		Somewhat limited Depth to soft bedrock	0.64	Somewhat limited Slope	0.00
Vetal----------	35	Not limited		Not limited		Not limited	
Ic:							
Calamus----------	90	Not limited		Somewhat limited Depth to saturated zone	0.35	Not limited	
Id:							
Calamus----------	90	Not limited		Somewhat limited Depth to saturated zone	0.35	Not limited	
IgB:							
Ipage----------	85	Not limited		Somewhat limited Depth to saturated zone	0.61	Not limited	
IhB:							
Ipage----------	85	Not limited		Somewhat limited Depth to saturated zone	0.61	Not limited	
IpB:							
Ipage----------	85	Not limited		Somewhat limited Depth to saturated zone	0.61	Not limited	
ItB:							
Ipage----------	65	Not limited		Somewhat limited Depth to saturated zone	0.61	Not limited	
Tryon----------	30	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Jn:							
Jansen----------	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
Ke:							
Keya----------	90	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
LfB:							
Libory----------	85	Somewhat limited Depth to saturated zone	0.07	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.07

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lh:							
Lodgepole----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Lo:							
Loup----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Lp:							
Loup----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Ma:							
Marlake----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
McB:							
Mckelvie----------	90	Not limited		Not limited		Not limited	
McD:							
Mckelvie----------	90	Not limited		Not limited		Somewhat limited	
						Slope	0.48
McF:							
Mckelvie----------	90	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
MdF:							
Mckelvie----------	60	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.84	Slope	0.84	Slope	1.00
Fishberry----------	35	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to soft bedrock	1.00
MeG:							
Mckelvie----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Fishberry----------	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
MfG:							
Mckelvie----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Rock Outcrop--------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
MgG:							
Mckelvie----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Ustorthents---------	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
MxB:							
Meadin----------	85	Not limited		Not limited		Not limited	
MxF:							
Meadin----------	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Mz:							
Medihemists---------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Content of organic matter	1.00	Content of organic matter	1.00	Content of organic matter	1.00
		Subsidence	1.00	Subsidence	1.00	Subsidence	1.00
NeB:							
Nenzel----------	90	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.61		
NfB:							
Nenzel----------	90	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.61		
Or:							
Ord----------	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
OsD:							
Orpha----------	90	Not limited		Not limited		Somewhat limited	
						Slope	0.48
OtF:							
Orpha----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Niobrara----------	35	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to soft bedrock	1.00
OxG:							
Orpha----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Rock Outcrop--------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
PtB:							
Pivot----------	85	Not limited		Not limited		Not limited	
SfB:							
Sandose----------	85	Not limited		Not limited		Not limited	
ShB:							
Sandose----------	60	Not limited		Somewhat limited		Not limited	
				Shrink-swell	0.50		
Hennings----------	30	Somewhat limited		Not limited		Somewhat limited	
		Shrink-swell	0.50			Shrink-swell	0.50
ShC:							
Sandose----------	65	Not limited		Somewhat limited		Somewhat limited	
				Shrink-swell	0.50	Slope	0.12
Hennings----------	30	Somewhat limited		Not limited		Somewhat limited	
		Shrink-swell	0.50			Shrink-swell	0.50
						Slope	0.12
ShD:							
Sandose----------	65	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Shrink-swell	0.50	Slope	1.00
				Slope	0.04		
Hennings----------	30	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Slope	0.04	Slope	1.00
		Slope	0.04			Shrink-swell	0.50
SnB:							
Satanta----------	85	Not limited		Not limited		Not limited	
SoB:							
Simeon----------	90	Not limited		Not limited		Not limited	
SvD:							
Simeon----------	60	Not limited		Not limited		Not limited	
Valentine----------	35	Not limited		Not limited		Somewhat limited	
						Slope	0.48
SvF:							
Simeon----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Valentine----------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Tn:							
Tryon----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
To:							
Tryon----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
TwC:							
Tuthill----------	85	Not limited		Not limited		Somewhat limited	
						Slope	0.12
TwD:							
Tuthill----------	90	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
VcB:							
Valent----------	95	Not limited		Not limited		Not limited	
VcD:							
Valent----------	95	Not limited		Not limited		Somewhat limited	
						Slope	0.48
VcE:							
Valent----------	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
VcF:							
Valent----------	65	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Valent----------	30	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
VcG:							
Valent----------	99	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
VdD:							
Valent----------	90	Not limited		Not limited		Somewhat limited Slope	0.48
VgD:							
Valent----------	55	Not limited		Not limited		Somewhat limited Slope	0.48
Els----------	40	Somewhat limited Depth to saturated zone	0.07	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.07
VhF:							
Valent----------	65	Somewhat limited Slope	0.84	Somewhat limited Slope	0.84	Very limited Slope	1.00
Tryon----------	34	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
VkB:							
Valentine----------	90	Not limited		Not limited		Not limited	
VkD:							
Valentine----------	95	Not limited		Not limited		Somewhat limited Slope	0.48
VkE:							
Valentine----------	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
VkF:							
Valentine----------	65	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Valentine----------	30	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
VkG:							
Valentine----------	99	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
VmB:							
Valentine----------	90	Not limited		Not limited		Not limited	
VmD:							
Valentine----------	90	Not limited		Not limited		Somewhat limited Slope	0.48
VnD:							
Valentine----------	60	Not limited		Not limited		Somewhat limited Slope	0.48
Duda----------	30	Not limited		Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Slope	0.48
VnF:							
Valentine----------	60	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Duda----------	25	Somewhat limited Slope	0.63	Somewhat limited Slope Depth to soft bedrock	0.63 0.42	Very limited Slope	1.00
VoD:							
Valentine----------	55	Not limited		Not limited		Somewhat limited Slope	0.48
Els----------	40	Somewhat limited Depth to saturated zone	0.07	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.07
VpD:							
Valentine----------	65	Not limited		Not limited		Somewhat limited Slope	0.48
Libory----------	33	Somewhat limited Depth to saturated zone	0.07	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.07
VsD:							
Valentine----------	60	Not limited		Not limited		Somewhat limited Slope	0.48
Sandose----------	30	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
VwF:							
Valentine----------	65	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.84	Slope	0.84	Slope	1.00
Tryon----------	34	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
VyB:							
Vetal----------	90	Not limited		Not limited		Not limited	
Vz:							
Vetal----------	90	Not limited		Not limited		Not limited	
W:							
Water----------	100	Not rated		Not rated		Not rated	
WeB:							
Wildhorse----------	90	Not limited		Very limited		Not limited	
				Depth to saturated zone	1.00		

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ad:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Flooding	0.80	Droughty	0.05
Ae:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	1.00	Flooding	0.60
		Frost action	0.50	Flooding	0.60		
Af:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Frost action	0.50	Flooding	0.60	Droughty	0.11
AmB:							
Anselmo----------	85	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
AmC:							
Anselmo----------	85	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
An:							
Anselmo----------	85	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
AnC:							
Anselmo----------	85	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
AnD:							
Anselmo----------	85	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Slope	0.04
		Slope	0.04	Slope	0.04		
AuF:							
Anselmo----------	55	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.84	Cutbanks cave	1.00	Slope	0.84
		Frost action	0.50	Slope	0.84		
Longpine----------	35	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Droughty	1.00
				Cutbanks cave	0.10	Slope	1.00
BcG:							
Blownout Land-------	75	Not rated		Not rated		Not rated	
Valentine----------	20	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.96	Cutbanks cave	1.00	Slope	0.96
				Slope	0.96	Droughty	0.34
Bm:							
Bolent----------	85	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Frost action	0.50	Depth to saturated zone	1.00	Droughty	0.22
		Depth to saturated zone	0.03	Flooding	0.60	Depth to saturated zone	0.03
Bn:							
Bolent----------	90	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.13
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Depth to saturated zone	0.03
Bp:							
Bolent----------	60	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Frost action	0.50	Depth to saturated zone	1.00	Droughty	0.25
		Depth to saturated zone	0.03	Flooding	0.60	Depth to saturated zone	0.03
Inglewood----------	30	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
				Depth to saturated zone	0.35		

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BsD:							
Busher----------	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.00	Cutbanks cave	0.10	Slope	0.00
				Slope	0.00		
BvF:							
Busher----------	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
				Cutbanks cave	0.10		
Tassel----------	35	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Droughty	1.00
				Cutbanks cave	0.10	Slope	1.00
Cr:							
Crowther----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Content of organic matter	1.00
		Low strength	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50				
		Frost action	0.50				
Cs:							
Crowther----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Content of organic matter	1.00
		Low strength	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50				
		Frost action	0.50				
Cv:							
Cullison----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
Cx:							
Cullison----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
Cy:							
Cutcomb----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Content of organic matter	1.00
		Subsidence	1.00	Content of organic matter	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	0.10		
DaB:							
Dailey----------	90	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.43
				Depth to dense layer	0.50		
DaD:							
Dailey----------	90	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.63
				Depth to dense layer	0.50		
DfB:							
Doughboy----------	85	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
				Depth to saturated zone	0.35		
Dg:							
Doughboy----------	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Depth to saturated zone	0.35		
				Cutbanks cave	0.10		

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
DtB:							
Duda----------	45	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.91
				Depth to soft bedrock	0.42	Depth to bedrock	0.42
Fishberry----------	40	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
				Depth to dense layer	0.50	Droughty	1.00
				Cutbanks cave	0.10		
DuB:							
Dunday----------	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.04
DuD:							
Dunday----------	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.04
Ec:							
Els----------	85	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.58
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Depth to saturated zone	0.03
EfB:							
Els----------	60	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.56
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Depth to saturated zone	0.03
Ipage----------	30	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.66
				Depth to saturated zone	0.61		
Eh:							
Els----------	50	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.72
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Depth to saturated zone	0.03
Tryon----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.56
Em:							
Els----------	50	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.64
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Depth to saturated zone	0.03
Hoffland----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	1.00		
En:							
Els, Calcareous-----	50	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.65
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Depth to saturated zone	0.03
Selia----------	45	Somewhat limited		Very limited		Very limited	
		Frost action	0.50	Cutbanks cave	1.00	Sodium content	1.00
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	Depth to saturated zone	0.19
						Droughty	0.17
Es:							
Elsmere----------	85	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.50
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Depth to saturated zone	0.03
Et:							
Elsmere----------	85	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.53
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Depth to saturated zone	0.03
Ew:							
Elsmere----------	50	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.11
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Depth to saturated zone	0.03
Loup----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.13

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
FbC:							
Fishberry----------	90	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
				Depth to dense layer	0.50	Droughty	1.00
				Cutbanks cave	0.10		
FcF:							
Fishberry----------	55	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Droughty	1.00
				Depth to dense layer	0.50	Slope	1.00
				Cutbanks cave	0.10		
Duda----------	35	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.37	Cutbanks cave	1.00	Droughty	0.96
				Depth to soft bedrock	0.42	Depth to bedrock	0.42
				Slope	0.37	Slope	0.37
FdG:							
Fishberry----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
				Depth to dense layer	0.50	Droughty	1.00
				Cutbanks cave	0.10		
Rock Outcrop--------	35	Not rated		Not rated		Not rated	
Fe:							
Fluvaquents, Sandy--	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Flooding	0.80	Droughty	0.03
Ga:							
Gannett----------	90	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	1.00		
Gb:							
Gannett----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Content of organic matter	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
Gc:							
Gus----------	85	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Low strength	0.22				
Gf:							
Gus----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Low strength	0.22				
He:							
Hennings----------	85	Somewhat limited		Very limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	1.00		
		Low strength	0.22				
HeC:							
Hennings----------	85	Somewhat limited		Very limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	1.00		
		Low strength	0.22				

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HeD:							
Hennings----------	85	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Cutbanks cave	1.00	Slope	0.04
		Low strength	0.22	Slope	0.04		
		Slope	0.04				
HgE:							
Hennings----------	55	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00		
Anselmo----------	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.96	Slope	0.96	Slope	0.96
		Frost action	0.50	Cutbanks cave	0.10		
Hr:							
Hoffland----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	1.00		
Hs:							
Hoffland----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	1.00		
Ht:							
Holt----------	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.64	Depth to bedrock	0.65
				Cutbanks cave	0.10		
HuC:							
Holt----------	55	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Depth to bedrock	0.65
				Depth to soft bedrock	0.64	Droughty	0.00
Longpine----------	30	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
				Cutbanks cave	0.10	Droughty	1.00
HuD:							
Holt----------	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.64	Depth to bedrock	0.65
		Slope	0.00	Cutbanks cave	0.10	Droughty	0.01
				Slope	0.00	Slope	0.00
Longpine----------	35	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	0.00	Cutbanks cave	0.10	Droughty	1.00
				Slope	0.00	Slope	0.00
HyC:							
Holt----------	60	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.64	Depth to bedrock	0.65
				Cutbanks cave	0.10	Droughty	0.03
Vetal----------	35	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
Ic:							
Calamus----------	90	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
				Depth to saturated zone	0.35		
Id:							
Calamus----------	90	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
				Depth to saturated zone	0.35		
IgB:							
Ipage----------	85	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.62
				Depth to saturated zone	0.61		
IhB:							
Ipage----------	85	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.63
				Depth to saturated zone	0.61		

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
IpB:							
Ipage----------	85	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.30
				Depth to saturated zone	0.61		
ItB:							
Ipage----------	65	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.63
				Depth to saturated zone	0.61		
Tryon----------	30	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.48
Jn:							
Jansen----------	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	0.50				
		Frost action	0.50				
Ke:							
Keya----------	90	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
LfB:							
Libory----------	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Depth to saturated zone	0.03
		Depth to saturated zone	0.03	Depth to saturated zone	1.00		
Lh:							
Lodgepole----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10		
		Low strength	1.00	Too clayey	0.03		
		Shrink-swell	1.00				
Lo:							
Loup----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.09
Lp:							
Loup----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.06
Ma:							
Marlake----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Content of organic matter	1.00
		Frost action	0.50	Cutbanks cave	1.00	Depth to saturated zone	1.00
						Droughty	0.27
McB:							
Mckelvie----------	90	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.06
McD:							
Mckelvie----------	90	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.06
McF:							
Mckelvie----------	90	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Droughty	0.06
MdF:							
Mckelvie----------	60	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.84	Cutbanks cave	1.00	Slope	0.84
				Slope	0.84	Droughty	0.06
Fishberry----------	35	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Droughty	1.00
				Depth to dense layer	0.50	Slope	1.00
				Cutbanks cave	0.10		

BUILDING SITE DEVELOPMENT--Continued
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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MeG:							
Mckelvie----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Droughty	0.06
Fishberry----------	20	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
				Depth to dense layer	0.50	Droughty	1.00
				Cutbanks cave	0.10		
MfG:							
Mckelvie----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	1.00	Droughty	0.06
Rock Outcrop--------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	0.10	Droughty	1.00
MgG:							
Mckelvie----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	1.00	Droughty	0.14
Ustorthents---------	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
MxB:							
Meadin----------	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.87
MxF:							
Meadin----------	85	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Droughty	0.95
Mz:							
Medihemists---------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Content of organic matter	1.00
		Subsidence	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Content of organic matter	1.00		
NeB:							
Nenzel----------	90	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.01
				Depth to saturated zone	0.61		
NfB:							
Nenzel----------	90	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.06
				Depth to saturated zone	0.61		
Or:							
Ord----------	85	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	0.03
		Depth to saturated zone	0.03	Depth to saturated zone	1.00		
OsD:							
Orpha----------	90	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.34
OtF:							
Orpha----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Droughty	0.77
Niobrara----------	35	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Droughty	1.00
				Depth to dense layer	0.50	Slope	1.00
				Cutbanks cave	0.10		

BUILDING SITE DEVELOPMENT--Continued
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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
OxG:							
Orpha----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	1.00	Droughty	0.58
Rock Outcrop--------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	0.10	Droughty	1.00
PtB:							
Pivot----------	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.75
SfB:							
Sandose----------	85	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
ShB:							
Sandose----------	60	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
Hennings----------	30	Somewhat limited		Very limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	1.00		
		Low strength	0.22				
ShC:							
Sandose----------	65	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
Hennings----------	30	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Low strength	0.22				
ShD:							
Sandose----------	65	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.04	Cutbanks cave	1.00	Slope	0.04
				Slope	0.04		
Hennings----------	30	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Cutbanks cave	1.00	Slope	0.04
		Low strength	0.22	Slope	0.04		
		Slope	0.04				
SnB:							
Satanta----------	85	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
SoB:							
Simeon----------	90	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Too sandy	0.50
						Droughty	0.30
SvD:							
Simeon----------	60	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Too sandy	0.50
						Droughty	0.30
Valentine----------	35	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.34
SvF:							
Simeon----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Too sandy	0.50
						Droughty	0.29
Valentine----------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Droughty	0.34
Tn:							
Tryon----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.34
To:							
Tryon----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Content of organic matter	1.00
		Frost action	0.50	Cutbanks cave	1.00	Depth to saturated zone	1.00
						Droughty	0.35
TwC:							
Tuthill----------	85	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
TwD:							
Tuthill----------	90	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.04	Cutbanks cave	1.00	Slope	0.04
				Slope	0.04		

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
VcB:							
Valent----------	95	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.34
VcD:							
Valent----------	95	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.34
VcE:							
Valent----------	95	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Droughty	0.34
VcF:							
Valent----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Droughty	0.34
Valent----------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	1.00	Droughty	0.34
VcG:							
Valent----------	99	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	1.00	Droughty	0.34
VdD:							
Valent----------	90	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.25
VgD:							
Valent----------	55	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.34
Els----------	40	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.68
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Depth to saturated zone	0.03
VhF:							
Valent----------	65	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.84	Cutbanks cave	1.00	Slope	0.84
				Slope	0.84	Droughty	0.34
Tryon----------	34	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.78
VkB:							
Valentine----------	90	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.34
VkD:							
Valentine----------	95	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.34
VkE:							
Valentine----------	95	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Droughty	0.34
VkF:							
Valentine----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Droughty	0.34
Valentine----------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	1.00	Droughty	0.34
VkG:							
Valentine----------	99	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	1.00	Droughty	0.34
VmB:							
Valentine----------	90	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.17
VmD:							
Valentine----------	90	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.17
VnD:							
Valentine----------	60	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.34
Duda----------	30	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.58
				Depth to soft bedrock	0.42	Depth to bedrock	0.42

BUILDING SITE DEVELOPMENT--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
VnF:							
Valentine----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
				Slope	1.00	Droughty	0.34
Duda----------	25	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.63	Cutbanks cave	1.00	Droughty	0.80
				Slope	0.63	Slope	0.63
				Depth to soft bedrock	0.42	Depth to bedrock	0.42
VoD:							
Valentine----------	55	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.34
Els----------	40	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.73
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Depth to saturated zone	0.03
VpD:							
Valentine----------	65	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.34
Libory----------	33	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.03	Cutbanks cave	1.00	Depth to saturated zone	0.03
				Depth to saturated zone	1.00		
VsD:							
Valentine----------	60	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.34
Sandose----------	30	Somewhat limited		Very limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	1.00		
VwF:							
Valentine----------	65	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.84	Cutbanks cave	1.00	Slope	0.84
				Slope	0.84	Droughty	0.34
Tryon----------	34	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.63
VyB:							
Vetal----------	90	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
Vz:							
Vetal----------	90	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
W:							
Water----------	100	Not rated		Not rated		Not rated	
WeB:							
Wildhorse----------	90	Somewhat limited		Very limited		Very limited	
		Frost action	0.50	Cutbanks cave	1.00	Sodium content	1.00
				Depth to saturated zone	1.00	Droughty	1.00
						Salinity	0.00

CONSTRUCTION MATERIALS
Cherry County, Nebraska

Construction Materials

These tables give information about the soils as potential sources of gravel, sand, topsoil, reclamation material, and roadfill. Normal compaction, minor processing, and other standard construction practices are assumed.

The soils are rated good, fair, or poor as potential sources of topsoil, reclamation material, and roadfill. The features that limit the soils as sources of these materials are specified in the tables. The numerical ratings given after the specified features indicate the degree to which the features limit the soils as sources of topsoil, reclamation material, or roadfill. The lower the number, the greater the limitation.

The soils are rated as a probable or improbable source of sand and gravel. A rating of probable means that the source material is likely to be in or below the soil. The numerical ratings in these columns indicate the degree of probability. The number 0.00 indicates that the soil is an improbable source. A number between 0.00 and 1.00 indicates the degree to which the soil is a probable source of sand or gravel.

Sand and gravel are natural aggregates suitable for commercial use with a minimum of processing. They are used in many kinds of construction. Specifications for each use vary widely. In the first table, only the probability of finding material in suitable quantity is evaluated. The suitability of the material for specific purposes is not evaluated, nor are factors that affect excavation of the material. The properties used to evaluate the soil as a source of sand or gravel are gradation of grain sizes (as indicated by the Unified classification of the soil), the thickness of suitable material, and the content of rock fragments. If the lowest layer of the soil contains sand or gravel, the soil is rated as a probable source regardless of thickness. The assumption is that the sand or gravel layer below the depth of observation exceeds the minimum thickness.

Topsoil is used to cover an area so that vegetation can be established and maintained. The upper 40 inches of a soil is evaluated for use as topsoil. Also evaluated is the reclamation potential of the borrow area. The ratings are based on the soil properties that affect plant growth; the ease of excavating, loading, and spreading the material; and reclamation of the borrow area. Toxic substances, soil reaction, and the properties that are inferred from soil texture, such as available water capacity and fertility, affect plant growth. The ease of excavating, loading, and spreading is affected by rock fragments, slope, depth to a water table, soil texture, and thickness of suitable material. Reclamation of the borrow area is affected by slope, depth to a water table, rock fragments, depth to bedrock or a cemented pan, and toxic material.

The surface layer of most soils is generally preferred for topsoil because of its organic matter content. Organic matter greatly increases the absorption and retention of moisture and nutrients for plant growth.

Reclamation material is used in areas that have been drastically disturbed by surface mining or similar activities. When these areas are reclaimed, layers of soil material or unconsolidated geological material, or both, are replaced in a vertical sequence. The reconstructed soil favors plant growth. The ratings in the table do not apply to quarries and other mined areas that require an offsite source of reconstruction material. The ratings are based on the soil properties that affect erosion and stability of the surface and the productive potential of the reconstructed soil. These properties include the content of sodium, salts, and calcium carbonate; reaction; available water capacity; erodibility; texture; content of rock fragments; and content of organic matter and other features that affect fertility.

Roadfill is soil material that is excavated in one place and used in road embankments in another place. In this table, the soils are rated as a source of roadfill for low embankments, generally less than 6 feet high and less exacting in design than higher embankments.

The ratings are for the whole soil, from the surface to a depth of about 5 feet. It is assumed that soil layers will be mixed when the soil material is excavated and spread.

The ratings are based on the amount of suitable material and on soil properties that affect the ease of excavation and the performance of the material after it is in place. The thickness of the suitable material is a major consideration. The ease of excavation is affected by large stones, depth to a water table, and slope. How well the soil performs in place after it has been compacted and drained is determined by its strength (as inferred from the AASHTO classification of the soil) and linear extensibility (shrink-swell potential).

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Ad:					
Almeria----------	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.33
		Thickest layer	0.00	Thickest layer	0.65
Ae:					
Almeria----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.08
		Thickest layer	0.00	Bottom layer	0.10
Af:					
Almeria----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.33
AmB:					
Anselmo----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.96
AmC:					
Anselmo----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.96
An:					
Anselmo----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.96
AnC:					
Anselmo----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.96
AnD:					
Anselmo----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.96
AuF:					
Anselmo----------	55	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.96
Longpine----------	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
BcG:					
Blownout Land-------	75	Not rated		Not rated	
Valentine----------	20	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
Bm:					
Bolent----------	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.18
		Thickest layer	0.00	Thickest layer	0.65
Bn:					
Bolent----------	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.18
Bp:					
Bolent----------	60	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.18
		Thickest layer	0.00	Thickest layer	0.65
Inglewood----------	30	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.22
		Thickest layer	0.00	Thickest layer	0.73

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
BsD:					
Busher	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.08
BvF:					
Busher	50	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.08
Tassel	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cr:					
Crowther	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.52
Cs:					
Crowther	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.99
Cv:					
Cullison	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cx:					
Cullison	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Cy:					
Cutcomb	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
		Content of organic matter	0.00	Content of organic matter	0.00
DaB:					
Dailey	90	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.22
		Thickest layer	0.00	Thickest layer	0.22
DaD:					
Dailey	90	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.22
		Thickest layer	0.00	Thickest layer	0.22
DfB:					
Doughboy	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.58
Dg:					
Doughboy	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.09
DtB:					
Duda	45	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.27
Fishberry	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
DuB:					
Dunday	85	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.65
		Thickest layer	0.00		
DuD:					
Dunday	85	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.65
		Thickest layer	0.00		

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Ec:					
Els	85	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.63
		Thickest layer	0.00		
EfB:					
Els	60	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.91
		Thickest layer	0.00		
Ipage	30	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
Eh:					
Els	50	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
Tryon	45	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.65
		Thickest layer	0.00		
Em:					
Els	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.59
		Thickest layer	0.00	Bottom layer	0.99
Hoffland	45	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.54
		Thickest layer	0.00	Bottom layer	0.99
En:					
Els, Calcareous	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.84
		Thickest layer	0.00	Bottom layer	0.99
Selia	45	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.36
		Thickest layer	0.00		
Es:					
Elsmere	85	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.65
		Thickest layer	0.00		
Et:					
Elsmere	85	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.65
		Thickest layer	0.00		
Ew:					
Elsmere	50	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.65
		Thickest layer	0.00		
Loup	45	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.08
		Thickest layer	0.00		
FbC:					
Fishberry	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
FcF:					
Fishberry	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Duda	35	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.30
FdG:					
Fishberry	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Rock Outcrop--------	35	Not rated		Not rated	
Fe:					
Fluvaquents, Sandy--	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.88
Ga:					
Gannett----------	90	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00		
Gb:					
Gannett----------	90	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00		
Gc:					
Gus----------	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.03
		Thickest layer	0.00	Thickest layer	0.03
Gf:					
Gus----------	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
He:					
Hennings----------	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.03
HeC:					
Hennings----------	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.03
HeD:					
Hennings----------	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.03
HgE:					
Hennings----------	55	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.16
Anselmo----------	40	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.08
		Thickest layer	0.00	Thickest layer	0.09
Hr:					
Hoffland----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.66
		Thickest layer	0.00	Bottom layer	0.99
Hs:					
Hoffland----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.17
		Thickest layer	0.00	Bottom layer	0.99
Ht:					
Holt----------	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.07
HuC:					
Holt----------	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Longpine----------	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
HuD:					
Holt----------	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Longpine----------	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
HyC:					
Holt----------	60	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
Vetal----------	35	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.08
		Thickest layer	0.00	Bottom layer	0.57
Ic:					
Calamus----------	90	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.22
		Thickest layer	0.00	Thickest layer	0.66
Id:					
Calamus----------	90	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.22
		Thickest layer	0.00	Thickest layer	0.63
IgB:					
Ipage----------	85	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
IhB:					
Ipage----------	85	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
IpB:					
Ipage----------	85	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.65
		Thickest layer	0.00		
ItB:					
Ipage----------	65	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
Tryon----------	30	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.65
		Thickest layer	0.00		
Jn:					
Jansen----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.97
Ke:					
Keya----------	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
LfB:					
Libory----------	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.04
		Thickest layer	0.00	Thickest layer	0.94
Lh:					
Lodgepole----------	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Lo:					
Loup----------	90	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.08
		Thickest layer	0.00		

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Lp:					
Loup	90	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.08
		Thickest layer	0.00		
Ma:					
Marlake	85	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.17
		Thickest layer	0.00		
McB:					
Mckelvie	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.66
		Thickest layer	0.00	Bottom layer	0.99
McD:					
Mckelvie	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.66
		Thickest layer	0.00	Bottom layer	0.99
McF:					
Mckelvie	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.66
		Thickest layer	0.00	Bottom layer	0.99
MdF:					
Mckelvie	60	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.66
		Thickest layer	0.00	Bottom layer	0.99
Fishberry	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
MeG:					
Mckelvie	65	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.66
		Thickest layer	0.00	Bottom layer	0.99
Fishberry	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
MfG:					
Mckelvie	65	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.66
		Thickest layer	0.00	Bottom layer	0.99
Rock Outcrop	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
MgG:					
Mckelvie	60	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.66
		Thickest layer	0.00	Bottom layer	0.99
Ustorthents	25	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.07
		Thickest layer	0.00	Thickest layer	0.65
MxB:					
Meadin	85	Poor		Fair	
		Thickest layer	0.00	Thickest layer	0.45
		Bottom layer	0.00	Bottom layer	0.91
MxF:					
Meadin	85	Poor		Fair	
		Thickest layer	0.00	Thickest layer	0.36
		Bottom layer	0.00	Bottom layer	0.91
Mz:					
Medihemists	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
NeB:					
Nenzel----------	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.54
		Thickest layer	0.00	Bottom layer	0.99
NfB:					
Nenzel----------	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.57
		Thickest layer	0.00	Bottom layer	0.99
Or:					
Ord----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.07
		Thickest layer	0.00	Bottom layer	0.96
OsD:					
Orpha----------	90	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.99
		Thickest layer	0.00		
OtF:					
Orpha----------	60	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.62
		Thickest layer	0.00	Bottom layer	0.99
Niobrara----------	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
OxG:					
Orpha----------	65	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.80
		Thickest layer	0.00	Bottom layer	0.99
Rock Outcrop--------	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
PtB:					
Pivot----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.73
		Thickest layer	0.00	Bottom layer	0.96
SfB:					
Sandose----------	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.20
ShB:					
Sandose----------	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Hennings----------	30	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.17
ShC:					
Sandose----------	65	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Hennings----------	30	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.17
ShD:					
Sandose----------	65	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.07
Hennings----------	30	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.17
SnB:					
Satanta----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.08
		Thickest layer	0.00	Bottom layer	0.49

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
SoB:					
Simeon----------	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.96
		Thickest layer	0.00	Bottom layer	0.98
SvD:					
Simeon----------	60	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.96
		Thickest layer	0.00	Bottom layer	0.98
Valentine----------	35	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
SvF:					
Simeon----------	60	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.96
		Thickest layer	0.00	Bottom layer	0.98
Valentine----------	30	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
Tn:					
Tryon----------	90	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.08
		Thickest layer	0.00		
To:					
Tryon----------	90	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.08
		Thickest layer	0.00		
TwC:					
Tuthill----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.56
		Thickest layer	0.00	Bottom layer	0.98
TwD:					
Tuthill----------	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.56
		Thickest layer	0.00	Bottom layer	0.65
VcB:					
Valent----------	95	Poor		Good	
		Bottom layer	0.00	Bottom layer	0.99
		Thickest layer	0.00		
VcD:					
Valent----------	95	Poor		Good	
		Bottom layer	0.00	Bottom layer	0.99
		Thickest layer	0.00		
VcE:					
Valent----------	95	Poor		Good	
		Bottom layer	0.00	Bottom layer	0.99
		Thickest layer	0.00		
VcF:					
Valent----------	65	Poor		Good	
		Bottom layer	0.00	Bottom layer	0.99
		Thickest layer	0.00		
Valent----------	30	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.89
		Thickest layer	0.00		
VcG:					
Valent----------	99	Poor		Good	
		Bottom layer	0.00	Bottom layer	0.99
		Thickest layer	0.00		
VdD:					
Valent----------	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.65
		Thickest layer	0.00	Bottom layer	0.99

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
VgD:					
Valent----------	55	Poor		Good	
		Bottom layer	0.00	Bottom layer	0.99
		Thickest layer	0.00		
Els----------	40	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
VhF:					
Valent----------	65	Poor		Good	
		Bottom layer	0.00	Bottom layer	0.99
		Thickest layer	0.00		
Tryon----------	34	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
VkB:					
Valentine----------	90	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
VkD:					
Valentine----------	95	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
VkE:					
Valentine----------	95	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
VkF:					
Valentine----------	65	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
Valentine----------	30	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
VkG:					
Valentine----------	99	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
VmB:					
Valentine----------	90	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.20
		Thickest layer	0.00	Thickest layer	0.70
VmD:					
Valentine----------	90	Poor		Good	
		Bottom layer	0.00	Thickest layer	0.70
		Thickest layer	0.00		
VnD:					
Valentine----------	60	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
Duda----------	30	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.39
VnF:					
Valentine----------	60	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
Duda----------	25	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.27
VoD:					
Valentine----------	55	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Els	40	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
VpD:					
Valentine	65	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
Libory	33	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.73
VsD:					
Valentine	60	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
Sandose	30	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.58
VwF:					
Valentine	65	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
Tryon	34	Poor		Good	
		Bottom layer	0.00		
		Thickest layer	0.00		
VyB:					
Vetal	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.08
		Thickest layer	0.00	Bottom layer	0.39
Vz:					
Vetal	90	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.08
		Thickest layer	0.00	Thickest layer	0.09
W:					
Water	100	Not rated		Not rated	
WeB:					
Wildhorse	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.99
		Thickest layer	0.00	Bottom layer	0.99

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ad:							
Almeria----------	85	Fair		Poor		Poor	
		Too sandy	0.06	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.12			Too sandy	0.06
		Droughty	0.96				
Ae:							
Almeria----------	85	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to saturated zone	0.00	Depth to saturated zone	0.00
Af:							
Almeria----------	85	Fair		Poor		Poor	
		Too sandy	0.06	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.12			Too sandy	0.06
		Droughty	0.93				
AmB:							
Anselmo----------	85	Poor		Good		Good	
		Wind erosion	0.00				
AmC:							
Anselmo----------	85	Poor		Good		Good	
		Wind erosion	0.00				
An:							
Anselmo----------	85	Fair		Good		Good	
		Low content of organic matter	0.12				
AnC:							
Anselmo----------	85	Fair		Good		Good	
		Low content of organic matter	0.12				
AnD:							
Anselmo----------	85	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.96
AuF:							
Anselmo----------	55	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.16
Longpine----------	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.50	Rock fragments	0.00
		Low content of organic matter	0.12			Slope	0.00
		Too sandy	0.27			Too sandy	0.27
BcG:							
Blownout Land-------	75	Not rated		Not rated		Not rated	
Valentine----------	20	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00			Slope	0.04
		Low content of organic matter	0.12				
		Droughty	0.71				
Bm:							
Bolent----------	85	Poor		Fair		Fair	
		Wind erosion	0.00	Depth to saturated zone	0.76	Too sandy	0.38
		Low content of organic matter	0.12			Depth to saturated zone	0.76
		Too sandy	0.38				
		Droughty	0.79				

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Bn:							
Bolent----------	90	Fair		Fair		Fair	
		Low content of organic matter	0.12	Depth to saturated zone	0.76	Too sandy	0.38
		Too sandy	0.38			Depth to saturated zone	0.76
		Droughty	0.85				
Bp:							
Bolent----------	60	Poor		Fair		Fair	
		Wind erosion	0.00	Depth to saturated zone	0.76	Too sandy	0.38
		Low content of organic matter	0.12			Depth to saturated zone	0.76
		Too sandy	0.38				
		Droughty	0.77				
Inglewood----------	30	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.18				
BsD:							
Busher----------	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Depth to bedrock	0.58		
BvF:							
Busher----------	50	Fair		Fair		Fair	
		Low content of organic matter	0.88	Depth to bedrock	0.58	Slope	0.37
Tassel----------	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00	Slope	0.50	Slope	0.00
Cr:							
Crowther----------	85	Fair		Poor		Poor	
		Carbonate content	0.46	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.88			Carbonate content	0.46
Cs:							
Crowther----------	90	Fair		Poor		Poor	
		Carbonate content	0.46	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.88			Carbonate content	0.46
Cv:							
Cullison----------	85	Fair		Poor		Poor	
		Carbonate content	0.01	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Water erosion	0.99	Low strength	0.00	Carbonate content	0.01
				Shrink-swell	0.87		
Cx:							
Cullison----------	90	Fair		Poor		Poor	
		Carbonate content	0.01	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Water erosion	0.99	Low strength	0.00	Carbonate content	0.01
				Shrink-swell	0.87		
Cy:							
Cutcomb----------	85	Good		Poor		Poor	
				Depth to saturated zone	0.00	Depth to saturated zone	0.00
						Content of organic matter	0.01
DaB:							
Dailey----------	90	Poor		Good		Poor	
		Wind erosion	0.00			Hard to reclaim	0.00
		Too sandy	0.23			Too sandy	0.23
		Droughty	0.40				
		Low content of organic matter	0.88				

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
DaD:							
Dailey----------	90	Poor		Good		Poor	
		Wind erosion	0.00			Hard to reclaim	0.00
		Too sandy	0.23			Too sandy	0.23
		Droughty	0.28				
		Low content of organic matter	0.88				
DfB:							
Doughboy----------	85	Poor		Good		Fair	
		Wind erosion	0.00			Carbonate content	0.32
		Carbonate content	0.32				
Dg:							
Doughboy----------	85	Fair		Good		Fair	
		Carbonate content	0.32			Carbonate content	0.32
		Low content of organic matter	0.88				
DtB:							
Duda----------	45	Poor		Poor		Poor	
		Too sandy	0.00	Depth to bedrock	0.00	Too sandy	0.00
		Wind erosion	0.00			Depth to bedrock	0.58
		Droughty	0.00				
		Low content of organic matter	0.50				
		Depth to bedrock	0.58				
Fishberry----------	40	Poor		Poor		Poor	
		Wind erosion	0.00	Depth to bedrock	0.00	Hard to reclaim	0.00
		Droughty	0.00			Depth to bedrock	0.00
		Depth to bedrock	0.00			Rock fragments	0.00
		Too sandy	0.20			Too sandy	0.20
		Low content of organic matter	0.50				
DuB:							
Dunday----------	85	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.92				
DuD:							
Dunday----------	85	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.92				
Ec:							
Els----------	85	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.76	Too sandy	0.00
		Wind erosion	0.00			Depth to saturated zone	0.76
		Low content of organic matter	0.12				
		Droughty	0.31				
EfB:							
Els----------	60	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.76	Too sandy	0.00
		Wind erosion	0.00			Depth to saturated zone	0.76
		Low content of organic matter	0.12				
		Droughty	0.34				
Ipage----------	30	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.37				
		Too acid	0.97				

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Eh:							
Els----------	50	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.76	Too sandy	0.00
		Wind erosion	0.00			Depth to saturated zone	0.76
		Low content of organic matter	0.12				
		Droughty	0.23				
Tryon----------	45	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Droughty	0.45			Depth to saturated zone	0.00
		Low content of organic matter	0.88				
Em:							
Els----------	50	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.76	Too sandy	0.00
		Wind erosion	0.00			Depth to saturated zone	0.76
		Low content of organic matter	0.12				
		Droughty	0.28				
Hoffland----------	45	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Low content of organic matter	0.12			Depth to saturated zone	0.00
		Carbonate content	0.46				
En:							
Els, Calcareous-----	50	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.76	Too sandy	0.00
		Wind erosion	0.00			Depth to saturated zone	0.76
		Low content of organic matter	0.12				
		Droughty	0.27				
Selia----------	45	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.53	Too sandy	0.00
		Wind erosion	0.00			Sodium content	0.22
		Sodium content	0.00			Depth to saturated zone	0.53
		Too alkaline	0.00				
		Low content of organic matter	0.12				
		Droughty	0.83				
Es:							
Elsmere----------	85	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.76	Too sandy	0.00
		Wind erosion	0.00			Depth to saturated zone	0.76
		Low content of organic matter	0.12				
		Droughty	0.35				
Et:							
Elsmere----------	85	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.76	Too sandy	0.00
		Wind erosion	0.00			Depth to saturated zone	0.76
		Low content of organic matter	0.12				
		Droughty	0.34				

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ew:							
Elsmere----------	50	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.76	Too sandy	0.00
		Wind erosion	0.00			Depth to saturated zone	0.76
		Low content of organic matter	0.12				
		Droughty	0.68				
Loup----------	45	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Droughty	0.77			Depth to saturated zone	0.00
		Low content of organic matter	0.88				
FbC:							
Fishberry----------	90	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Hard to reclaim	0.00
		Depth to bedrock	0.00			Depth to bedrock	0.00
		Too sandy	0.20			Rock fragments	0.00
		Low content of organic matter	0.50			Too sandy	0.20
FcF:							
Fishberry----------	55	Poor		Poor		Poor	
		Wind erosion	0.00	Depth to bedrock	0.00	Hard to reclaim	0.00
		Droughty	0.00	Slope	0.82	Depth to bedrock	0.00
		Depth to bedrock	0.00			Rock fragments	0.00
		Too sandy	0.20			Slope	0.00
		Low content of organic matter	0.50			Too sandy	0.20
Duda----------	35	Poor		Poor		Poor	
		Too sandy	0.00	Depth to bedrock	0.00	Too sandy	0.00
		Wind erosion	0.00			Depth to bedrock	0.58
		Droughty	0.00			Slope	0.63
		Low content of organic matter	0.50				
		Depth to bedrock	0.58				
FdG:							
Fishberry----------	60	Poor		Poor		Poor	
		Wind erosion	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.00	Slope	0.00	Hard to reclaim	0.00
		Depth to bedrock	0.00			Depth to bedrock	0.00
		Too sandy	0.20			Rock fragments	0.00
		Low content of organic matter	0.50			Too sandy	0.20
Rock Outcrop--------	35	Not rated		Not rated		Not rated	
Fe:							
Fluvaquents, Sandy--	85	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Droughty	0.99			Too sandy	0.00
Ga:							
Gannett----------	90	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Low content of organic matter	0.12			Depth to saturated zone	0.00
Gb:							
Gannett----------	90	Fair		Poor		Poor	
		Low content of organic matter	0.12	Depth to saturated zone	0.00	Depth to saturated zone	0.00
Gc:							
Gus----------	85	Fair		Poor		Poor	
		Low content of organic matter	0.88	Depth to saturated zone	0.00	Depth to saturated zone	0.00
				Low strength	0.78		
				Shrink-swell	0.87		

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Gf:							
Gus----------	85	Good		Poor		Poor	
				Depth to saturated zone	0.00	Depth to saturated zone	0.00
				Low strength	0.78		
				Shrink-swell	0.87		
He:							
Hennings----------	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Depth to bedrock	0.58		
		Water erosion	0.99	Low strength	0.78		
HeC:							
Hennings----------	85	Fair		Fair		Good	
		Low content of organic matter	0.88	Depth to bedrock	0.58		
		Water erosion	0.99	Low strength	0.78		
HeD:							
Hennings----------	85	Fair		Fair		Fair	
		Low content of organic matter	0.88	Depth to bedrock	0.58	Slope	0.96
		Water erosion	0.99	Low strength	0.78		
HgE:							
Hennings----------	55	Fair		Fair		Poor	
		Low content of organic matter	0.12	Depth to bedrock	0.58	Slope	0.00
		Droughty	0.95	Slope	0.98		
		Water erosion	0.99				
Anselmo----------	40	Fair		Good		Fair	
		Low content of organic matter	0.12			Slope	0.04
Hr:							
Hoffland----------	85	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Low content of organic matter	0.12			Depth to saturated zone	0.00
		Carbonate content	0.46				
Hs:							
Hoffland----------	85	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Low content of organic matter	0.12			Depth to saturated zone	0.00
		Carbonate content	0.46				
Ht:							
Holt----------	85	Fair		Poor		Fair	
		Droughty	0.31	Depth to bedrock	0.00	Depth to bedrock	0.35
		Depth to bedrock	0.35				
HuC:							
Holt----------	55	Fair		Poor		Fair	
		Droughty	0.22	Depth to bedrock	0.00	Depth to bedrock	0.35
		Depth to bedrock	0.35				
Longpine----------	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00			Rock fragments	0.00
		Low content of organic matter	0.12				
HuD:							
Holt----------	50	Fair		Poor		Fair	
		Droughty	0.18	Depth to bedrock	0.00	Depth to bedrock	0.35
		Depth to bedrock	0.35				
		Sodium content	0.97				
Longpine----------	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00				
		Low content of organic matter	0.88				

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HyC:							
Holt	60	Fair		Poor		Fair	
		Droughty	0.14	Depth to bedrock	0.00	Depth to bedrock	0.35
		Depth to bedrock	0.35				
Vetal	35	Good		Good		Good	
Ic:							
Calamus	90	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.18				
Id:							
Calamus	90	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.18				
IgB:							
Ipage	85	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.40				
		Too acid	0.97				
IhB:							
Ipage	85	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.40				
IpB:							
Ipage	85	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.63				
		Too acid	0.97				
ItB:							
Ipage	65	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.40				
		Too acid	0.97				
Tryon	30	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Droughty	0.50			Depth to saturated zone	0.00
		Low content of organic matter	0.88				
Jn:							
Jansen	85	Fair		Poor		Fair	
		Too acid	0.97	Low strength	0.00	Hard to reclaim	0.98
		Water erosion	0.99				
Ke:							
Keya	90	Good		Poor		Good	
				Low strength	0.00		

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
LfB:							
Libory----------	85	Poor		Poor		Fair	
		Wind erosion	0.00	Low strength	0.00	Depth to saturated zone	0.76
		Low content of organic matter	0.12	Depth to saturated zone	0.76		
		Water erosion	0.90				
Lh:							
Lodgepole----------	90	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Water erosion	0.99	Low strength	0.00	Too Clayey	0.00
				Shrink-swell	0.71		
Lo:							
Loup----------	90	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Droughty	0.80			Depth to saturated zone	0.00
		Low content of organic matter	0.88				
Lp:							
Loup----------	90	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Droughty	0.84			Depth to saturated zone	0.00
		Low content of organic matter	0.88				
Ma:							
Marlake----------	85	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Low content of organic matter	0.12			Depth to saturated zone	0.00
		Droughty	0.52				
McB:							
Mckelvie----------	90	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.91				
McD:							
Mckelvie----------	90	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.91				
McF:							
Mckelvie----------	90	Poor		Fair		Poor	
		Too sandy	0.00	Slope	0.50	Too sandy	0.00
		Wind erosion	0.00			Slope	0.00
		Low content of organic matter	0.12				
		Droughty	0.91				
MdF:							
Mckelvie----------	60	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00			Slope	0.16
		Low content of organic matter	0.12				
		Droughty	0.91				
Fishberry----------	35	Poor		Poor		Poor	
		Wind erosion	0.00	Depth to bedrock	0.00	Hard to reclaim	0.00
		Droughty	0.00	Slope	0.50	Depth to bedrock	0.00
		Depth to bedrock	0.00			Rock fragments	0.00
		Too sandy	0.20			Slope	0.00
		Low content of organic matter	0.50			Too sandy	0.20

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MeG:							
Mckelvie----------	65	Poor		Poor		Poor	
		Too sandy	0.00	Slope	0.00	Too sandy	0.00
		Wind erosion	0.00			Slope	0.00
		Low content of organic matter	0.12				
		Droughty	0.91				
Fishberry----------	20	Poor		Poor		Poor	
		Wind erosion	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.00	Slope	0.00	Hard to reclaim	0.00
		Depth to bedrock	0.00			Depth to bedrock	0.00
		Too sandy	0.20			Rock fragments	0.00
		Low content of organic matter	0.50			Too sandy	0.20
MfG:							
Mckelvie----------	65	Poor		Poor		Poor	
		Too sandy	0.00	Slope	0.00	Slope	0.00
		Wind erosion	0.00			Too sandy	0.00
		Low content of organic matter	0.12				
		Droughty	0.91				
Rock Outcrop--------	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.00	Slope	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00				
MgG:							
Mckelvie----------	60	Poor		Poor		Poor	
		Too sandy	0.00	Slope	0.00	Slope	0.00
		Wind erosion	0.00			Too sandy	0.00
		Low content of organic matter	0.12				
		Droughty	0.85				
Ustorthents---------	25	Poor		Poor		Poor	
		Wind erosion	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.12				
MxB:							
Meadin----------	85	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00			Rock fragments	0.00
		Droughty	0.03			Hard to reclaim	0.00
		Low content of organic matter	0.12				
		Too acid	0.97				
MxF:							
Meadin----------	85	Poor		Fair		Poor	
		Too sandy	0.00	Slope	0.92	Too sandy	0.00
		Wind erosion	0.00			Rock fragments	0.00
		Droughty	0.01			Hard to reclaim	0.00
		Low content of organic matter	0.12			Slope	0.00
		Too acid	0.97				
Mz:							
Medihemists---------	85	Good		Poor		Poor	
				Depth to saturated zone	0.00	Depth to saturated zone	0.00
						Content of organic matter	0.00
NeB:							
Nenzel----------	90	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.96				

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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NfB:							
Nenzel----------	90	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00			Sodium content	0.60
		Low content of organic matter	0.12				
		Droughty	0.91				
Or:							
Ord----------	85	Fair		Fair		Fair	
		Low content of organic matter	0.12	Depth to saturated zone	0.76	Depth to saturated zone	0.76
		Carbonate content	0.80				
OsD:							
Orpha----------	90	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00			Rock fragments	0.97
		Low content of organic matter	0.12				
		Droughty	0.53				
OtF:							
Orpha----------	60	Poor		Fair		Poor	
		Too sandy	0.00	Slope	0.50	Too sandy	0.00
		Wind erosion	0.00			Slope	0.00
		Low content of organic matter	0.12			Rock fragments	0.97
		Droughty	0.19				
Niobrara----------	35	Poor		Poor		Poor	
		Too sandy	0.00	Depth to bedrock	0.00	Hard to reclaim	0.00
		Wind erosion	0.00	Slope	0.50	Too sandy	0.00
		Droughty	0.00			Depth to bedrock	0.00
		Depth to bedrock	0.00			Slope	0.00
		Low content of organic matter	0.50			Rock fragments	0.88
OxG:							
Orpha----------	65	Poor		Poor		Poor	
		Too sandy	0.00	Slope	0.00	Slope	0.00
		Wind erosion	0.00			Too sandy	0.00
		Low content of organic matter	0.12			Rock fragments	0.97
		Droughty	0.31				
Rock Outcrop--------	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.00	Slope	0.00	Depth to bedrock	0.00
		Depth to bedrock	0.00				
PtB:							
Pivot----------	85	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00			Hard to reclaim	0.92
		Droughty	0.03				
		Low content of organic matter	0.12				
SfB:							
Sandose----------	85	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.28
		Too sandy	0.28				
		Low content of organic matter	0.88				
		Water erosion	0.99				
ShB:							
Sandose----------	60	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.28
		Too sandy	0.28				
		Low content of organic matter	0.88				
		Water erosion	0.99				
Hennings----------	30	Poor		Fair		Fair	
		Wind erosion	0.00	Depth to bedrock	0.58	Too sandy	0.41
		Too sandy	0.41				
		Water erosion	0.99				

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
ShC:							
Sandose----------	65	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.28
		Too sandy	0.28				
		Low content of organic matter	0.88				
		Water erosion	0.99				
Hennings----------	30	Poor		Fair		Fair	
		Wind erosion	0.00	Depth to bedrock	0.58	Too sandy	0.41
		Too sandy	0.41				
		Water erosion	0.99				
ShD:							
Sandose----------	65	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.28
		Too sandy	0.28			Slope	0.96
		Low content of organic matter	0.88				
		Water erosion	0.99				
Hennings----------	30	Poor		Fair		Fair	
		Wind erosion	0.00	Depth to bedrock	0.58	Too sandy	0.41
		Too sandy	0.41			Slope	0.96
		Water erosion	0.99				
SnB:							
Satanta----------	85	Fair		Good		Good	
		Low content of organic matter	0.88				
SoB:							
Simeon----------	90	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.74				
SvD:							
Simeon----------	60	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.74				
Valentine----------	35	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.71				
SvF:							
Simeon----------	60	Poor		Fair		Poor	
		Too sandy	0.00	Slope	0.92	Too sandy	0.00
		Wind erosion	0.00			Slope	0.00
		Low content of organic matter	0.12				
		Droughty	0.74				
Valentine----------	30	Poor		Fair		Poor	
		Too sandy	0.00	Slope	0.92	Too sandy	0.00
		Wind erosion	0.00			Slope	0.00
		Low content of organic matter	0.12				
		Droughty	0.71				
Tn:							
Tryon----------	90	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Droughty	0.60			Depth to saturated zone	0.00
		Low content of organic matter	0.88				

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
To:							
Tryon----------	90	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Droughty	0.59			Depth to saturated zone	0.00
		Low content of organic matter	0.88				
TwC:							
Tuthill----------	85	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Low content of organic matter	0.12				
TwD:							
Tuthill----------	90	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Low content of organic matter	0.12			Slope	0.96
VcB:							
Valent----------	95	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.71				
VcD:							
Valent----------	95	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.71				
VcE:							
Valent----------	95	Poor		Fair		Poor	
		Too sandy	0.00	Slope	0.92	Too sandy	0.00
		Wind erosion	0.00			Slope	0.00
		Low content of organic matter	0.12				
		Droughty	0.71				
VcF:							
Valent----------	65	Poor		Fair		Poor	
		Too sandy	0.00	Slope	0.92	Too sandy	0.00
		Wind erosion	0.00			Slope	0.00
		Low content of organic matter	0.12				
		Droughty	0.71				
Valent----------	30	Poor		Poor		Poor	
		Too sandy	0.00	Slope	0.00	Slope	0.00
		Wind erosion	0.00			Too sandy	0.00
		Low content of organic matter	0.12				
		Droughty	0.25				
VcG:							
Valent----------	99	Poor		Poor		Poor	
		Too sandy	0.00	Slope	0.00	Slope	0.00
		Wind erosion	0.00			Too sandy	0.00
		Low content of organic matter	0.12				
		Droughty	0.71				
VdD:							
Valent----------	90	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.77				

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
VgD:							
Valent----------	55	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.71				
Els----------	40	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.76	Too sandy	0.00
		Wind erosion	0.00			Depth to saturated zone	0.76
		Low content of organic matter	0.12				
		Droughty	0.25				
VhF:							
Valent----------	65	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00			Slope	0.16
		Low content of organic matter	0.12				
		Droughty	0.71				
Tryon----------	34	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Low content of organic matter	0.12			Depth to saturated zone	0.00
		Droughty	0.19				
VkB:							
Valentine----------	90	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.71				
VkD:							
Valentine----------	95	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.71				
VkE:							
Valentine----------	95	Poor		Fair		Poor	
		Too sandy	0.00	Slope	0.92	Too sandy	0.00
		Wind erosion	0.00			Slope	0.00
		Low content of organic matter	0.12				
		Droughty	0.71				
VkF:							
Valentine----------	65	Poor		Fair		Poor	
		Too sandy	0.00	Slope	0.92	Too sandy	0.00
		Wind erosion	0.00			Slope	0.00
		Low content of organic matter	0.12				
		Droughty	0.71				
Valentine----------	30	Poor		Poor		Poor	
		Too sandy	0.00	Slope	0.00	Slope	0.00
		Wind erosion	0.00			Too sandy	0.00
		Low content of organic matter	0.12				
		Droughty	0.71				
VkG:							
Valentine----------	99	Poor		Poor		Poor	
		Too sandy	0.00	Slope	0.00	Slope	0.00
		Wind erosion	0.00			Too sandy	0.00
		Low content of organic matter	0.12				
		Droughty	0.71				

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
VmB:							
Valentine----------	90	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.28
		Low content of organic matter	0.12				
		Too sandy	0.28				
		Droughty	0.82				
VmD:							
Valentine----------	90	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.82				
VnD:							
Valentine----------	60	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.71				
Duda----------	30	Poor		Poor		Poor	
		Too sandy	0.00	Depth to bedrock	0.00	Too sandy	0.00
		Wind erosion	0.00			Depth to bedrock	0.58
		Droughty	0.00				
		Low content of organic matter	0.50				
		Depth to bedrock	0.58				
VnF:							
Valentine----------	60	Poor		Fair		Poor	
		Too sandy	0.00	Slope	0.92	Too sandy	0.00
		Wind erosion	0.00			Slope	0.00
		Low content of organic matter	0.12				
		Droughty	0.71				
Duda----------	25	Poor		Poor		Poor	
		Too sandy	0.00	Depth to bedrock	0.00	Too sandy	0.00
		Wind erosion	0.00			Slope	0.37
		Droughty	0.00			Depth to bedrock	0.58
		Low content of organic matter	0.50				
		Depth to bedrock	0.58				
VoD:							
Valentine----------	55	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.71				
Els----------	40	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.76	Too sandy	0.00
		Wind erosion	0.00			Depth to saturated zone	0.76
		Low content of organic matter	0.12				
		Droughty	0.22				
VpD:							
Valentine----------	65	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.71				
Libory----------	33	Poor		Poor		Poor	
		Wind erosion	0.00	Low strength	0.00	Too sandy	0.00
		Too sandy	0.00	Depth to saturated zone	0.76	Depth to saturated zone	0.76
		Low content of organic matter	0.12				
		Water erosion	0.90				

CONSTRUCTION MATERIALS--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
VsD:							
Valentine----------	60	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.12				
		Droughty	0.71				
Sandose----------	30	Poor		Good		Good	
		Wind erosion	0.00				
		Low content of organic matter	0.88				
		Water erosion	0.99				
VwF:							
Valentine----------	65	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00			Slope	0.16
		Low content of organic matter	0.12				
		Droughty	0.71				
Tryon----------	34	Poor		Poor		Poor	
		Too sandy	0.00	Depth to saturated zone	0.00	Too sandy	0.00
		Droughty	0.39			Depth to saturated zone	0.00
		Low content of organic matter	0.88				
VyB:							
Vetal----------	90	Poor		Good		Good	
		Wind erosion	0.00				
Vz:							
Vetal----------	90	Good		Good		Good	
W:							
Water----------	100	Not rated		Not rated		Not rated	
WeB:							
Wildhorse----------	90	Poor		Fair		Poor	
		Too sandy	0.00	Depth to saturated zone	0.91	Hard to reclaim	0.00
		Wind erosion	0.00			Too sandy	0.00
		Sodium content	0.00			Sodium content	0.00
		Too alkaline	0.00			Depth to saturated zone	0.91
		Droughty	0.00				
		Low content of organic matter	0.12				

RECREATIONAL INTERPRETATIONS
Cherry County, Nebraska

Recreation

The soils of the survey area are rated in the following tables according to limitations that affect their suitability for recreation. The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the recreational uses. Not limited indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. Slightly limited indicates that the soil has features that are favorable for the specified use. The limitations are minor and can be easily overcome. Good performance and low maintenance can be expected. Somewhat limited indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. Very limited indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The ratings in the tables are based on restrictive soil features, such as wetness, slope, and texture of the surface layer. Susceptibility to flooding is considered. Not considered in the ratings, but important in evaluating a site, are the location and accessibility of the area, the size and shape of the area and its scenic quality, vegetation, access to water, potential water impoundment sites, and access to public sewer lines. The capacity of the soil to absorb septic tank effluent and the ability of the soil to support vegetation also are important. Soils that are subject to flooding are limited for recreational uses by the duration and intensity of flooding and the season when flooding occurs. In planning recreational facilities, onsite assessment of the height, duration, intensity, and frequency of flooding is essential.

The information in this table can be supplemented by other information in this survey, for example, interpretations for building site development, construction materials, sanitary facilities, and water management.

Camp areas require site preparation, such as shaping and leveling the tent and parking areas, stabilizing roads and intensively used areas, and installing sanitary facilities and utility lines. Camp areas are subject to heavy foot traffic and some vehicular traffic. The ratings are based on the soil properties that affect the ease of developing camp areas and the performance of the areas after development. Slope, stoniness, and depth to bedrock or a cemented pan are the main concerns affecting the development of camp areas.

The soil properties that affect the performance of the areas after development are those that influence trafficability and promote the growth of vegetation, especially in heavily used areas. For good trafficability, the surface of camp areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Picnic areas are subject to heavy foot traffic. Most vehicular traffic is confined to access roads and parking areas. The ratings are based on the soil properties that affect the ease of developing picnic areas and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of picnic areas. For good trafficability, the surface of picnic areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Playgrounds require soils that are nearly level, are free of stones, and can withstand intensive foot traffic. The ratings are based on the soil properties that affect the ease of developing playgrounds and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of playgrounds. For good trafficability, the surface of the playgrounds should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Paths and trails for hiking and horseback riding should require little or no slope modification through cutting and filling. The ratings are based on the soil properties that affect trafficability and erodibility. These properties are stoniness, depth to a water table, ponding, flooding, slope, and texture of the surface layer.

Golf fairways are subject to heavy foot traffic and some light vehicular traffic. Cutting or filling may be required. Irrigation is not considered in the ratings. The ratings are based on the soil properties that affect plant growth and trafficability after vegetation is established. The properties that affect plant growth are reaction; depth to a water table; ponding; depth to bedrock or a cemented pan; the available water capacity in the upper 40 inches; the content of salts, sodium, or calcium carbonate; and sulfidic materials. The properties that affect trafficability are flooding, depth to a water table, ponding, slope, stoniness, and the amount of sand, clay, or organic matter in the surface layer. The suitability of the soil for traps, tees, roughs, and greens is not considered in the ratings.

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ad:							
Almeria	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Too sandy	0.95	Flooding	1.00
		Too sandy	0.95	Flooding	0.40	Too sandy	0.95
Ae:							
Almeria	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00			Flooding	0.60
Af:							
Almeria	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Flooding	1.00			Flooding	0.60
AmB:							
Anselmo	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
						Slope	0.00
AmC:							
Anselmo	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
						Slope	0.87
An:							
Anselmo	85	Not limited		Not limited		Not limited	
AnC:							
Anselmo	85	Not limited		Not limited		Somewhat limited	
						Slope	0.50
AnD:							
Anselmo	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
AuF:							
Anselmo	55	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.84	Slope	0.84	Slope	1.00
Longpine	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
BcG:							
Blownout Land	75	Not rated		Not rated		Not rated	
Valentine	20	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
		Slope	0.96	Slope	0.96	Slope	1.00
Bm:							
Bolent	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Too sandy	0.95	Too sandy	0.95
		Too sandy	0.95	Depth to saturated zone	0.03	Flooding	0.60
		Depth to saturated zone	0.07			Depth to saturated zone	0.07
Bn:							
Bolent	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
Bp:							
Bolent	60	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Too sandy	0.95	Too sandy	0.95
		Too sandy	0.95	Depth to saturated zone	0.03	Flooding	0.60
		Depth to saturated zone	0.07			Depth to saturated zone	0.07
Inglewood	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
BsD:							
Busher	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.00	Slope	0.00	Slope	1.00
BvF:							
Busher	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Tassel	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
Cr:							
Crowther	85	Very limited		Very limited		Very limited	
		Content of organic matter	1.00	Content of organic matter	1.00	Content of organic matter	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cs:							
Crowther----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Content of organic matter	1.00	Content of organic matter	1.00	Content of organic matter	1.00
Cv:							
Cullison----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Cx:							
Cullison----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Cy:							
Cutcomb----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Content of organic matter	1.00	Content of organic matter	1.00	Content of organic matter	1.00
DaB:							
Dailey----------	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.49	Too sandy	0.49	Too sandy	0.49
						Slope	0.00
DaD:							
Dailey----------	90	Somewhat limited		Somewhat limited		Very limited	
		Too sandy	0.49	Too sandy	0.49	Slope	1.00
						Too sandy	0.49
DfB:							
Doughboy----------	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.96	Too sandy	0.96	Too sandy	0.96
Dg:							
Doughboy----------	85	Not limited		Not limited		Not limited	
DtB:							
Duda----------	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
						Slope	0.00
Fishberry----------	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too sandy	0.49	Too sandy	0.49	Too sandy	0.49
						Gravel content	0.06
						Slope	0.00
DuB:							
Dunday----------	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
						Slope	0.00
DuD:							
Dunday----------	85	Somewhat limited		Somewhat limited		Very limited	
		Too sandy	0.95	Too sandy	0.95	Slope	1.00
						Too sandy	0.95
Ec:							
Els----------	85	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
EfB:							
Els----------	60	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
Ipage----------	30	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	0.00
Eh:							
Els----------	50	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
Tryon----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
Em:							
Els----------	50	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
Hoffland----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
En:							
Els, Calcareous-----	50	Very limited		Very limited		Very limited	

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
Selia----------	45	Very limited		Very limited		Very limited	
		Sodium content	1.00	Too sandy	1.00	Too sandy	1.00
		Too sandy	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	0.94	Restricted permeability	0.94	Restricted permeability	0.94
		Depth to saturated zone	0.39	Depth to saturated zone	0.19	Depth to saturated zone	0.39
Es:							
Elsmere----------	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
Et:							
Elsmere----------	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
Ew:							
Elsmere----------	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
Loup----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
FbC:							
Fishberry----------	90	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
						Slope	0.13
						Gravel content	0.06
FcF:							
Fishberry----------	55	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Too sandy	0.49	Too sandy	0.49	Too sandy	0.49
						Gravel content	0.06
Duda----------	35	Somewhat limited		Somewhat limited		Very limited	
		Too sandy	0.95	Too sandy	0.95	Slope	1.00
		Slope	0.37	Slope	0.37	Too sandy	0.95
						Depth to bedrock	0.42
FdG:							
Fishberry----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too sandy	0.49	Too sandy	0.49	Too sandy	0.49
						Gravel content	0.06
Rock Outcrop--------	35	Not rated		Not rated		Not rated	
Fe:							
Fluvaquents, Sandy--	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	0.40	Flooding	1.00
Ga:							
Gannett----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Gb:							
Gannett----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Content of organic matter	1.00	Content of organic matter	1.00	Content of organic matter	1.00
Gc:							
Gus----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Gf:							
Gus----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
He:							
Hennings----------	85	Not limited		Not limited		Not limited	
HeC:							
Hennings----------	85	Not limited		Not limited		Somewhat limited	
						Slope	0.50

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HeD:							
Hennings----------	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
HgE:							
Hennings----------	55	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Anselmo----------	40	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.96	Slope	0.96	Slope	1.00
Hr:							
Hoffland----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Hs:							
Hoffland----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Ht:							
Holt----------	85	Not limited		Not limited		Not limited	
HuC:							
Holt----------	55	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.65
						Slope	0.50
Longpine----------	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
						Slope	0.50
HuD:							
Holt----------	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.00	Slope	0.00	Slope	1.00
						Depth to bedrock	0.65
Longpine----------	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	0.00	Slope	0.00	Slope	1.00
HyC:							
Holt----------	60	Not limited		Not limited		Somewhat limited	
						Depth to bedrock	0.65
						Slope	0.50
Vetal----------	35	Not limited		Not limited		Not limited	
Ic:							
Calamus----------	90	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
Id:							
Calamus----------	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
IgB:							
Ipage----------	85	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	0.00
IhB:							
Ipage----------	85	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	0.00
IpB:							
Ipage----------	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
						Slope	0.00
ItB:							
Ipage----------	65	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	0.00
Tryon----------	30	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
Jn:							
Jansen----------	85	Not limited		Not limited		Not limited	
Ke:							
Keya----------	90	Not limited		Not limited		Not limited	
LfB:							
Libory----------	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.94	Too sandy	0.94	Too sandy	0.94
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
						Slope	0.00
Lh:							
Lodgepole----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
Lo:							
Loup----------	90	Very limited		Very limited		Very limited	

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Lp:							
Loup----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Ma:							
Marlake----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Content of organic matter	1.00	Content of organic matter	1.00	Content of organic matter	1.00
McB:							
Mckelvie----------	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
						Slope	0.00
McD:							
Mckelvie----------	90	Somewhat limited		Somewhat limited		Very limited	
		Too sandy	0.95	Too sandy	0.95	Slope	1.00
						Too sandy	0.95
McF:							
Mckelvie----------	90	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
MdF:							
Mckelvie----------	60	Somewhat limited		Somewhat limited		Very limited	
		Too sandy	0.95	Too sandy	0.95	Slope	1.00
		Slope	0.84	Slope	0.84	Too sandy	0.95
Fishberry----------	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Too sandy	0.49	Too sandy	0.49	Too sandy	0.49
						Gravel content	0.06
MeG:							
Mckelvie----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
Fishberry----------	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too sandy	0.49	Too sandy	0.49	Too sandy	0.49
						Gravel content	0.06
MfG:							
Mckelvie----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
Rock Outcrop--------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
MgG:							
Mckelvie----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Too sandy	1.00	Slope	1.00
		Too sandy	1.00	Slope	1.00	Too sandy	1.00
Ustorthents---------	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too sandy	0.95	Too sandy	0.95	Too sandy	0.95
MxB:							
Meadin----------	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.76	Too sandy	0.76	Too sandy	0.76
						Gravel content	0.22
						Slope	0.00
MxF:							
Meadin----------	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too sandy	0.76	Too sandy	0.76	Too sandy	0.76
						Gravel content	0.22
Mz:							
Medihemists---------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Content of organic matter	1.00	Content of organic matter	1.00	Content of organic matter	1.00
NeB:							
Nenzel----------	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.92	Too sandy	0.92	Too sandy	0.92
						Slope	0.00
NfB:							
Nenzel----------	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.92	Too sandy	0.92	Too sandy	0.92
						Slope	0.00

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Or:							
Ord	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
OsD:							
Orpha	90	Somewhat limited		Somewhat limited		Very limited	
		Too sandy	0.94	Too sandy	0.94	Slope	1.00
						Too sandy	0.94
OtF:							
Orpha	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too sandy	0.94	Too sandy	0.94	Too sandy	0.94
Niobrara	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Too sandy	0.49	Too sandy	0.49	Too sandy	0.49
OxG:							
Orpha	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too sandy	0.94	Too sandy	0.94	Too sandy	0.94
Rock Outcrop	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
PtB:							
Pivot	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.92	Too sandy	0.92	Too sandy	0.92
						Slope	0.00
SfB:							
Sandose	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.44	Too sandy	0.44	Too sandy	0.44
						Slope	0.00
ShB:							
Sandose	60	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.44	Too sandy	0.44	Too sandy	0.44
Hennings	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.34	Too sandy	0.34	Too sandy	0.34
						Slope	0.00
ShC:							
Sandose	65	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.44	Too sandy	0.44	Slope	0.87
						Too sandy	0.44
Hennings	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.34	Too sandy	0.34	Slope	0.87
						Too sandy	0.34
ShD:							
Sandose	65	Somewhat limited		Somewhat limited		Very limited	
		Too sandy	0.44	Too sandy	0.44	Slope	1.00
		Slope	0.04	Slope	0.04	Too sandy	0.44
Hennings	30	Somewhat limited		Somewhat limited		Very limited	
		Too sandy	0.34	Too sandy	0.34	Slope	1.00
		Slope	0.04	Slope	0.04	Too sandy	0.34
SnB:							
Satanta	85	Not limited		Not limited		Somewhat limited	
						Slope	0.00
SoB:							
Simeon	90	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	0.00
SvD:							
Simeon	60	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	0.00
Valentine	35	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	1.00
SvF:							
Simeon	60	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Too sandy	1.00
Valentine	30	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Too sandy	1.00
Tn:							
Tryon	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
To:							
Tryon	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Content of organic matter	1.00	Content of organic matter	1.00	Content of organic matter	1.00
TwC:							
Tuthill----------	85	Not limited		Not limited		Somewhat limited	
						Slope	0.87
TwD:							
Tuthill----------	90	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
VcB:							
Valent----------	95	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	0.00
VcD:							
Valent----------	95	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	1.00
VcE:							
Valent----------	95	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Too sandy	1.00
VcF:							
Valent----------	65	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Too sandy	1.00
Valent----------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Too sandy	1.00	Slope	1.00
		Too sandy	1.00	Slope	1.00	Too sandy	1.00
VcG:							
Valent----------	99	Very limited		Very limited		Very limited	
		Slope	1.00	Too sandy	1.00	Slope	1.00
		Too sandy	1.00	Slope	1.00	Too sandy	1.00
VdD:							
Valent----------	90	Somewhat limited		Somewhat limited		Very limited	
		Too sandy	0.95	Too sandy	0.95	Slope	1.00
						Too sandy	0.95
VgD:							
Valent----------	55	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	1.00
Els----------	40	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
						Slope	0.00
VhF:							
Valent----------	65	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
		Slope	0.84	Slope	0.84	Slope	1.00
Tryon----------	34	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Too sandy	1.00	Depth to saturated zone	1.00
		Too sandy	1.00	Depth to saturated zone	1.00	Too sandy	1.00
VkB:							
Valentine----------	90	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	0.00
VkD:							
Valentine----------	95	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	1.00
VkE:							
Valentine----------	95	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Too sandy	1.00
VkF:							
Valentine----------	65	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Too sandy	1.00
Valentine----------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Too sandy	1.00	Slope	1.00
		Too sandy	1.00	Slope	1.00	Too sandy	1.00
VkG:							
Valentine----------	99	Very limited		Very limited		Very limited	
		Slope	1.00	Too sandy	1.00	Slope	1.00
		Too sandy	1.00	Slope	1.00	Too sandy	1.00
VmB:							
Valentine----------	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.96	Too sandy	0.96	Too sandy	0.96
						Slope	0.00
VmD:							
Valentine----------	90	Somewhat limited		Somewhat limited		Very limited	

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Too sandy	0.96	Too sandy	0.96	Slope	1.00
						Too sandy	0.96
VnD:							
Valentine----------	60	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	1.00
Duda----------	30	Somewhat limited		Somewhat limited		Very limited	
		Too sandy	0.95	Too sandy	0.95	Slope	1.00
						Too sandy	0.95
						Depth to bedrock	0.42
VnF:							
Valentine----------	60	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Too sandy	1.00
Duda----------	25	Somewhat limited		Somewhat limited		Very limited	
		Too sandy	0.95	Too sandy	0.95	Slope	1.00
		Slope	0.63	Slope	0.63	Too sandy	0.95
						Depth to bedrock	0.42
VoD:							
Valentine----------	55	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	1.00
Els----------	40	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
						Slope	0.00
VpD:							
Valentine----------	65	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	1.00
Libory----------	33	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.94	Too sandy	0.94	Too sandy	0.94
		Depth to saturated zone	0.07	Depth to saturated zone	0.03	Depth to saturated zone	0.07
						Slope	0.00
VsD:							
Valentine----------	60	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
						Slope	1.00
Sandose----------	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.44	Too sandy	0.44	Too sandy	0.44
						Slope	0.00
VwF:							
Valentine----------	65	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
		Slope	0.84	Slope	0.84	Slope	1.00
Tryon----------	34	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Too sandy	1.00	Depth to saturated zone	1.00
		Too sandy	1.00	Depth to saturated zone	1.00	Too sandy	1.00
VyB:							
Vetal----------	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Too sandy	0.92	Too sandy	0.92	Too sandy	0.92
						Slope	0.00
Vz:							
Vetal----------	90	Not limited		Not limited		Not limited	
W:							
Water----------	100	Not rated		Not rated		Not rated	
WeB:							
Wildhorse----------	90	Very limited		Very limited		Very limited	
		Too sandy	1.00	Too sandy	1.00	Too sandy	1.00
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Salinity	0.00	Salinity	0.00	Salinity	0.00
						Slope	0.00

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Ad:					
Almeria----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Flooding	1.00
		Too sandy	0.95	Depth to saturated zone	1.00
		Flooding	0.40	Droughty	0.05
Ae:					
Almeria----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Flooding	0.60
Af:					
Almeria----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Flooding	0.60
				Droughty	0.11
AmB:					
Anselmo----------	85	Somewhat limited		Not limited	
		Too sandy	0.95		
AmC:					
Anselmo----------	85	Somewhat limited		Not limited	
		Too sandy	0.95		
An:					
Anselmo----------	85	Not limited		Not limited	
AnC:					
Anselmo----------	85	Not limited		Not limited	
AnD:					
Anselmo----------	85	Not limited		Somewhat limited	
				Slope	0.04
AuF:					
Anselmo----------	55	Not limited		Somewhat limited	
				Slope	0.84
Longpine----------	35	Somewhat limited		Very limited	
		Slope	0.50	Depth to bedrock	1.00
				Droughty	1.00
				Slope	1.00
BcG:					
Blownout Land-------	75	Not rated		Not rated	
Valentine----------	20	Very limited		Somewhat limited	
		Too sandy	1.00	Slope	0.96
				Droughty	0.34
Bm:					
Bolent----------	85	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Flooding	0.60
				Droughty	0.22
				Depth to saturated zone	0.03
Bn:					
Bolent----------	90	Not limited		Somewhat limited	
				Droughty	0.13
				Depth to saturated zone	0.03
Bp:					
Bolent----------	60	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Flooding	0.60
				Droughty	0.25
				Depth to saturated zone	0.03
Inglewood----------	30	Somewhat limited		Not limited	
		Too sandy	0.95		
BsD:					
Busher----------	85	Not limited		Somewhat limited	
				Slope	0.00
BvF:					
Busher----------	50	Not limited		Somewhat limited	
				Slope	0.63
Tassel----------	35	Somewhat limited		Very limited	
		Slope	0.50	Depth to bedrock	1.00
				Droughty	1.00
				Slope	1.00
Cr:					
Crowther----------	85	Very limited		Very limited	
		Content of organic matter	1.00	Content of organic matter	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Cs:					
Crowther----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Content of organic matter	1.00
		Content of organic matter	1.00	Depth to saturated zone	1.00
Cv:					
Cullison----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
Cx:					
Cullison----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
Cy:					
Cutcomb----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Content of organic matter	1.00
		Content of organic matter	1.00	Depth to saturated zone	1.00
DaB:					
Dailey----------	90	Somewhat limited		Somewhat limited	
		Too sandy	0.49	Droughty	0.43
DaD:					
Dailey----------	90	Somewhat limited		Somewhat limited	
		Too sandy	0.49	Droughty	0.63
DfB:					
Doughboy----------	85	Somewhat limited		Not limited	
		Too sandy	0.96		
Dg:					
Doughboy----------	85	Not limited		Not limited	
DtB:					
Duda----------	45	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Droughty	0.91
				Depth to bedrock	0.42
Fishberry----------	40	Somewhat limited		Very limited	
		Too sandy	0.49	Depth to bedrock	1.00
				Droughty	1.00
DuB:					
Dunday----------	85	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Droughty	0.04
DuD:					
Dunday----------	85	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Droughty	0.04
Ec:					
Els----------	85	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.58
				Depth to saturated zone	0.03
EfB:					
Els----------	60	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.56
				Depth to saturated zone	0.03
Ipage----------	30	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.66
Eh:					
Els----------	50	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.72
				Depth to saturated zone	0.03
Tryon----------	45	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Too sandy	0.95	Droughty	0.56
Em:					
Els----------	50	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.64
				Depth to saturated zone	0.03
Hoffland----------	45	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
En:					
Els, Calcareous-----	50	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.65
				Depth to saturated zone	0.03
Selia----------	45	Very limited		Very limited	
		Too sandy	1.00	Sodium content	1.00

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
				Depth to saturated zone	0.19
				Droughty	0.17
Es:					
Elsmere----------	85	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Droughty	0.50
				Depth to saturated zone	0.03
Et:					
Elsmere----------	85	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Droughty	0.53
				Depth to saturated zone	0.03
Ew:					
Elsmere----------	50	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Droughty	0.11
				Depth to saturated zone	0.03
Loup----------	45	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Droughty	0.13
FbC:					
Fishberry----------	90	Not limited		Very limited	
				Depth to bedrock	1.00
				Droughty	1.00
FcF:					
Fishberry----------	55	Somewhat limited		Very limited	
		Too sandy	0.49	Depth to bedrock	1.00
		Slope	0.18	Droughty	1.00
				Slope	1.00
Duda----------	35	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Droughty	0.96
				Depth to bedrock	0.42
				Slope	0.37
FdG:					
Fishberry----------	60	Very limited		Very limited	
		Slope	1.00	Depth to bedrock	1.00
		Too sandy	0.49	Slope	1.00
				Droughty	1.00
Rock Outcrop--------	35	Not rated		Not rated	
Fe:					
Fluvaquents, Sandy--	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Flooding	1.00
		Flooding	0.40	Depth to saturated zone	1.00
				Droughty	0.03
Ga:					
Gannett----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
Gb:					
Gannett----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Content of organic matter	1.00
		Content of organic matter	1.00	Depth to saturated zone	1.00
Gc:					
Gus----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
Gf:					
Gus----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
He:					
Hennings----------	85	Not limited		Not limited	
HeC:					
Hennings----------	85	Not limited		Not limited	
HeD:					
Hennings----------	85	Not limited		Somewhat limited	
				Slope	0.04
HgE:					
Hennings----------	55	Somewhat limited		Very limited	
		Slope	0.02	Slope	1.00
Anselmo----------	40	Not limited		Somewhat limited	
				Slope	0.96

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Hr:					
Hoffland----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
Hs:					
Hoffland----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
Ht:					
Holt----------	85	Not limited		Somewhat limited	
				Depth to bedrock	0.65
HuC:					
Holt----------	55	Not limited		Somewhat limited	
				Depth to bedrock	0.65
				Droughty	0.00
Longpine----------	30	Not limited		Very limited	
				Depth to bedrock	1.00
				Droughty	1.00
HuD:					
Holt----------	50	Not limited		Somewhat limited	
				Depth to bedrock	0.65
				Droughty	0.01
				Slope	0.00
Longpine----------	35	Not limited		Very limited	
				Depth to bedrock	1.00
				Droughty	1.00
				Slope	0.00
HyC:					
Holt----------	60	Not limited		Somewhat limited	
				Depth to bedrock	0.65
				Droughty	0.03
Vetal----------	35	Not limited		Not limited	
Ic:					
Calamus----------	90	Very limited		Not limited	
		Too sandy	1.00		
Id:					
Calamus----------	90	Somewhat limited		Not limited	
		Too sandy	0.95		
IgB:					
Ipage----------	85	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.62
IhB:					
Ipage----------	85	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.63
IpB:					
Ipage----------	85	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Droughty	0.30
ItB:					
Ipage----------	65	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.63
Tryon----------	30	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Too sandy	0.95	Droughty	0.48
Jn:					
Jansen----------	85	Not limited		Not limited	
Ke:					
Keya----------	90	Not limited		Not limited	
LfB:					
Libory----------	85	Somewhat limited		Somewhat limited	
		Too sandy	0.94	Depth to saturated zone	0.03
Lh:					
Lodgepole----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
Lo:					
Loup----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Droughty	0.09
Lp:					
Loup----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Droughty	0.06
Ma:					
Marlake----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Content of organic matter	1.00

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
		Content of organic matter	1.00	Depth to saturated zone	1.00
				Droughty	0.27
McB:					
Mckelvie----------	90	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Droughty	0.06
McD:					
Mckelvie----------	90	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Droughty	0.06
McF:					
Mckelvie----------	90	Somewhat limited		Very limited	
		Too sandy	0.95	Slope	1.00
		Slope	0.50	Droughty	0.06
MdF:					
Mckelvie----------	60	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Slope	0.84
				Droughty	0.06
Fishberry----------	35	Somewhat limited		Very limited	
		Slope	0.50	Depth to bedrock	1.00
		Too sandy	0.49	Droughty	1.00
				Slope	1.00
MeG:					
Mckelvie----------	65	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Too sandy	0.95	Droughty	0.06
Fishberry----------	20	Very limited		Very limited	
		Slope	1.00	Depth to bedrock	1.00
		Too sandy	0.49	Slope	1.00
				Droughty	1.00
MfG:					
Mckelvie----------	65	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Too sandy	0.95	Droughty	0.06
Rock Outcrop--------	30	Very limited		Very limited	
		Water erosion	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00
				Droughty	1.00
MgG:					
Mckelvie----------	60	Very limited		Very limited	
		Too sandy	1.00	Slope	1.00
		Slope	1.00	Droughty	0.14
Ustorthents---------	25	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Too sandy	0.95		
MxB:					
Meadin----------	85	Somewhat limited		Somewhat limited	
		Too sandy	0.76	Droughty	0.87
MxF:					
Meadin----------	85	Somewhat limited		Very limited	
		Too sandy	0.76	Slope	1.00
		Slope	0.08	Droughty	0.95
Mz:					
Medihemists---------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Content of organic matter	1.00
		Content of organic matter	1.00	Depth to saturated zone	1.00
NeB:					
Nenzel----------	90	Somewhat limited		Somewhat limited	
		Too sandy	0.92	Droughty	0.01
NfB:					
Nenzel----------	90	Somewhat limited		Somewhat limited	
		Too sandy	0.92	Droughty	0.06
Or:					
Ord----------	85	Not limited		Somewhat limited	
				Depth to saturated zone	0.03
OsD:					
Orpha----------	90	Somewhat limited		Somewhat limited	
		Too sandy	0.94	Droughty	0.34
OtF:					
Orpha----------	60	Somewhat limited		Very limited	
		Too sandy	0.94	Slope	1.00
		Slope	0.50	Droughty	0.77
Niobrara----------	35	Somewhat limited		Very limited	
		Slope	0.50	Depth to bedrock	1.00
		Too sandy	0.49	Droughty	1.00
				Slope	1.00
OxG:					
Orpha----------	65	Very limited		Very limited	
		Slope	1.00	Slope	1.00

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
		Too sandy	0.94	Droughty	0.58
Rock Outcrop--------	30	Very limited		Very limited	
		Water erosion	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00
				Droughty	1.00
PtB:					
Pivot----------	85	Somewhat limited		Somewhat limited	
		Too sandy	0.92	Droughty	0.75
SfB:					
Sandose----------	85	Somewhat limited		Not limited	
		Too sandy	0.44		
ShB:					
Sandose----------	60	Somewhat limited		Not limited	
		Too sandy	0.44		
Hennings----------	30	Somewhat limited		Not limited	
		Too sandy	0.34		
ShC:					
Sandose----------	65	Somewhat limited		Not limited	
		Too sandy	0.44		
Hennings----------	30	Somewhat limited		Not limited	
		Too sandy	0.34		
ShD:					
Sandose----------	65	Somewhat limited		Somewhat limited	
		Too sandy	0.44	Slope	0.04
Hennings----------	30	Somewhat limited		Somewhat limited	
		Too sandy	0.34	Slope	0.04
SnB:					
Satanta----------	85	Not limited		Not limited	
SoB:					
Simeon----------	90	Very limited		Somewhat limited	
		Too sandy	1.00	Too sandy	0.50
				Droughty	0.30
SvD:					
Simeon----------	60	Very limited		Somewhat limited	
		Too sandy	1.00	Too sandy	0.50
				Droughty	0.30
Valentine----------	35	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.34
SvF:					
Simeon----------	60	Very limited		Very limited	
		Too sandy	1.00	Slope	1.00
		Slope	0.08	Too sandy	0.50
				Droughty	0.29
Valentine----------	30	Very limited		Very limited	
		Too sandy	1.00	Slope	1.00
		Slope	0.08	Droughty	0.34
Tn:					
Tryon----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Droughty	0.34
To:					
Tryon----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Content of organic matter	1.00
		Content of organic matter	1.00	Depth to saturated zone	1.00
				Droughty	0.35
TwC:					
Tuthill----------	85	Not limited		Not limited	
TwD:					
Tuthill----------	90	Not limited		Somewhat limited	
				Slope	0.04
VcB:					
Valent----------	95	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.34
VcD:					
Valent----------	95	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.34
VcE:					
Valent----------	95	Very limited		Very limited	
		Too sandy	1.00	Slope	1.00
		Slope	0.08	Droughty	0.34
VcF:					
Valent----------	65	Very limited		Very limited	
		Too sandy	1.00	Slope	1.00
		Slope	0.08	Droughty	0.34
Valent----------	30	Very limited		Very limited	
		Too sandy	1.00	Slope	1.00
		Slope	1.00	Droughty	0.34

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
VcG:					
Valent----------	99	Very limited		Very limited	
		Too sandy	1.00	Slope	1.00
		Slope	1.00	Droughty	0.34
VdD:					
Valent----------	90	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Droughty	0.25
VgD:					
Valent----------	55	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.34
Els----------	40	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.68
				Depth to saturated zone	0.03
VhF:					
Valent----------	65	Very limited		Somewhat limited	
		Too sandy	1.00	Slope	0.84
				Droughty	0.34
Tryon----------	34	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Too sandy	1.00	Droughty	0.78
VkB:					
Valentine----------	90	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.34
VkD:					
Valentine----------	95	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.34
VkE:					
Valentine----------	95	Very limited		Very limited	
		Too sandy	1.00	Slope	1.00
		Slope	0.08	Droughty	0.34
VkF:					
Valentine----------	65	Very limited		Very limited	
		Too sandy	1.00	Slope	1.00
		Slope	0.08	Droughty	0.34
Valentine----------	30	Very limited		Very limited	
		Too sandy	1.00	Slope	1.00
		Slope	1.00	Droughty	0.34
VkG:					
Valentine----------	99	Very limited		Very limited	
		Too sandy	1.00	Slope	1.00
		Slope	1.00	Droughty	0.34
VmB:					
Valentine----------	90	Somewhat limited		Somewhat limited	
		Too sandy	0.96	Droughty	0.17
VmD:					
Valentine----------	90	Somewhat limited		Somewhat limited	
		Too sandy	0.96	Droughty	0.17
VnD:					
Valentine----------	60	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.34
Duda----------	30	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Droughty	0.58
				Depth to bedrock	0.42
VnF:					
Valentine----------	60	Very limited		Very limited	
		Too sandy	1.00	Slope	1.00
		Slope	0.08	Droughty	0.34
Duda----------	25	Somewhat limited		Somewhat limited	
		Too sandy	0.95	Droughty	0.80
				Slope	0.63
				Depth to bedrock	0.42
VoD:					
Valentine----------	55	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.34
Els----------	40	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.73
				Depth to saturated zone	0.03
VpD:					
Valentine----------	65	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.34
Libory----------	33	Somewhat limited		Somewhat limited	
		Too sandy	0.94	Depth to saturated zone	0.03
VsD:					
Valentine----------	60	Very limited		Somewhat limited	
		Too sandy	1.00	Droughty	0.34
Sandose----------	30	Somewhat limited		Not limited	
		Too sandy	0.44		

RECREATIONAL INTERPRETATIONS--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
VwF:					
Valentine----------	65	Very limited		Somewhat limited	
		Too sandy	1.00	Slope	0.84
				Droughty	0.34
Tryon----------	34	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Too sandy	1.00	Droughty	0.63
VyB:					
Vetal----------	90	Somewhat limited		Not limited	
		Too sandy	0.92		
Vz:					
Vetal----------	90	Not limited		Not limited	
W:					
Water----------	100	Not rated		Not rated	
WeB:					
Wildhorse----------	90	Very limited		Very limited	
		Too sandy	1.00	Sodium content	1.00
				Droughty	1.00
				Salinity	0.00

WILDLIFE INTERPRETATIONS
Cherry County, Nebraska

Use and Explanation of Wildlife Interpretations

Soils directly affect the kind and amount of vegetation that is available to wildlife as food and cover. They also affect the development of water impoundments. The kind and abundance of wildlife that populate an area depend largely on the amount and distribution of food, cover, water, and living space. If any one of these elements is missing, inadequate, or inaccessible, wildlife will be scarce or will not inhabit the area. If the soils have the potential, wildlife habitat can be created or improved by planting appropriate vegetation, properly managing the existing plant cover, and fostering the natural establishment of desirable plants.

In the Wildlife Interpretations table, the soils in the survey area are rated according to their potential for providing habitat for various kinds of wildlife. This information can be used in planning parks, wildlife refuges, nature study areas, and other developments for wildlife; in selecting soils that are suitable for establishing, improving, or maintaining specific elements of wildlife habitat; and in determining the intensity of management needed for each element of the habitat.

Suitability Ratings

The potential of the soil is rated good, fair, poor, or very poor.

Good - means that the element of wildlife habitat or the kind of habitat is easily created, improved, or maintained. Few or no limitations affect management, and satisfactory results can be expected if the soil is used for the designated purpose.

Fair - means that the element of wildlife habitat or kind of habitat can be created, improved, or maintained in most places. Moderately intensive management is required for satisfactory results.

Poor - means that limitations are severe for the designated element or kind of wildlife habitat. Habitat can be created, improved, or maintained in most places, but management is difficult and requires intensive effort.

Very Poor - means that limitations are very severe for the designated element or kind of wildlife habitat. Habitat is difficult to create, improve, or maintain in most places, and management is difficult and requires intensive effort.

Description of Wildlife Habitat Elements

Openland habitat consists of croplands, pastures, meadows, and areas that are overgrown with grasses, herbs, shrubs, and vines. These areas produce grain and seed crops, grasses and legumes, and wild herbaceous plants. The kind of wildlife attracted to these areas include bobwhite quail, pheasant, meadowlark, field sparrow, killdeer, cottontail rabbit, red fox, and coyote.

Woodland habitat consists of hardwood or conifers, or a mixture of these and associated grasses, legumes and wild herbaceous plants. Examples of wildlife attracted to this habitat are wild turkey, thrushes, woodpeckers, owl, tree squirrels, raccoon, and deer.

Wetland habitat consists of water-tolerant plants in open, marshy or swampy, shallow water areas. Examples of wildlife attracted to this habitat are ducks, geese, herons, bitterns, rails, kingfishers, shorebirds, muskrat, mink, and beaver.

The elements of wildlife habitat are described in the following paragraphs.

Grain and seed crops are domestic grains and seed-producing herbaceous plants. Soil properties and features that affect the growth of grain and seed crops are depth of the root zone, texture of the surface layer, available water capacity, wetness, slope, surface stoniness, and flooding. Soil temperature and soil moisture also are considerations. Examples of grain and seed crops are corn, wheat, oats, and barley.

Grasses and legumes are domestic perennial grasses and herbaceous legumes. Soil properties and features that affect the growth of grasses and legumes are depth of the root zone, texture of the surface layer, available water capacity, wetness, surface stoniness, flooding, and slope. Soil temperature and soil moisture also are considerations. Examples of grasses and legumes are fescue, lovegrass, bromegrass, clover, and alfalfa.

Wild herbaceous plants are native or naturally established grasses and forbs, including weeds. Soil properties and features that affect the growth of these plants are depth of the root zone, texture of the surface layer, available water capacity, wetness, surface stoniness, and flooding. Soil temperature and soil moisture also are considerations. Examples of wild herbaceous plants are bluestem, goldenrod, beggarweed, wheatgrass, and grama.

Hardwood trees and woody understory produce nuts or other fruit, buds, catkins, twigs, bark, and foliage. Soil properties and features that affect the growth of hardwood trees and shrubs are depth of the root zone, available water capacity, and wetness. Examples of these plants are oak, poplar, cherry, sweetgum, apple, hawthorn, dogwood, hickory, blackberry, and blueberry. Examples of fruit-producing shrubs that are suitable for planting on soils rated good are Russian-olive, autumn-olive, and crabapple.

Coniferous plants furnish browse and seeds. Soil properties and features that affect the growth of coniferous trees, shrubs, and ground cover are depth of the root zone, available water capacity, and wetness. Examples of coniferous plants are pine, spruce, fir, cedar, and juniper.

Shrubs are bushy woody plants that produce fruit, buds, twigs, bark, and foliage. Soil properties and features that affect the growth of shrubs are depth of the root zone, available water capacity, salinity, and soil moisture. Examples of shrubs are fragrant sumac, chokecherry, American plum, sand plum, and gorden currant.

Wetland plants are annual and perennial wild herbaceous plants that grow on moist or wet sites. Submerged or floating aquatic plants are excluded. Soil properties and features affecting wetland plants are texture of the surface layer, wetness, reaction, salinity, slope, and surface stoniness. Examples of wetland plants are smartweed, wild millet, saltgrass, cordgrass, rushes, sedges, and cattails.

Shallow water areas have an average depth of less than 5 feet. Some are naturally wet areas. Others are created by dams, levees, or other water-control structures. Soil properties and features affecting shallow water areas are depth to bedrock, wetness, surface stoniness, slope, and permeability. Examples of shallow water areas are marshes, waterfowl feeding areas, and ponds.

The habitat for various kinds of wildlife is described in the following paragraphs.

Habitat for openland wildlife consists of cropland, pasture, meadows, and areas that are overgrown with grasses, herbs, shrubs, and vines. These areas produce grain and seed crops, grasses and legumes, and wild herbaceous plants. Wildlife attracted to these areas include bobwhite quail, pheasant, meadowlark, field sparrow, cottontail, red fox and coyote.

Habitat for woodland wildlife consists of areas of deciduous and/or coniferous plants and associated grasses, legumes, and wild herbaceous plants. Wildlife attracted to these areas include wild turkey, thrushes, woodpeckers, squirrels, gray fox, raccoon, and deer.

Habitat for wetland wildlife consists of open, marshy or swampy shallow water areas. Some of the wildlife attracted to such areas are ducks, geese, herons, shore birds, muskrat, mink, and beaver.

Habitat for rangeland wildlife consists of areas of shrubs and wild herbaceous plants. Wildlife attracted to rangeland include antelope, deer, cottontail rabbit, prairie chicken, meadowlark, quail, and pheasant.

WILDLIFE INTERPRETATIONS
Cherry County, Nebraska

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
Ad:												
ALMERIA---------	Very poor	Poor	Fair	Poor	Poor	Poor	Good	Good	Poor	Poor	Good	Poor
Ae:												
ALMERIA---------	Poor	Fair	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
Af:												
ALMERIA---------	Very poor	Poor	Fair	Poor	Poor	Poor	Good	Good	Poor	Poor	Good	Poor
AmB:												
ANSELMO---------	Fair	Good	Good	Fair	Fair	Fair	Very poor	Very poor	Good	Good	Very poor	Good
AmC:												
ANSELMO---------	Poor	Good	Good	Fair	Fair	Fair	Very poor	Very poor	Fair	Good	Very poor	Good
An:												
ANSELMO---------	Good	Good	Good	Good	Good	Good	Very poor	Very poor	Good	Good	Very poor	Good
AnC:												
ANSELMO---------	Fair	Good	Good	Good	Good	Good	Very poor	Very poor	Good	Good	Very poor	Good
AnD:												
ANSELMO---------	Fair	Good	Good	Good	Good	Good	Very poor	Very poor	Good	Good	Very poor	Good
AuF:												
ANSELMO---------	Poor	Fair	Good	Good	Good	Good	Very poor	Very poor	Fair	Good	Very poor	Good
LONGPINE--------	Poor	Poor	Poor	Fair	Fair	Poor	Very poor	Very poor	Poor	Fair	Very poor	Poor
BcG:												
BLOWNOUT LAND---	Very poor	Very poor	Fair	Poor	Poor	Poor	Very poor	Very poor	Poor	Poor	Very poor	Fair
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
Bm:												
BOLENT----------	Poor	Fair	Good	Good	Good	Good	Fair	Very poor	Fair	Good	Poor	Good
Bn:												
BOLENT----------	Poor	Fair	Good	Good	Good	Good	Fair	Very poor	Fair	Good	Poor	Good
Bp:												
BOLENT----------	Poor	Fair	Good	Good	Good	Good	Fair	Very poor	Fair	Good	Poor	Good
INGLEWOOD-------	Poor	Fair	Good	Fair	Fair	Good	Poor	Very poor	Fair	Poor	Very poor	Good
BsD:												
BUSHER----------	Fair	Good	Good	Fair	Poor	Good	Very poor	Very poor	Good	Fair	Very poor	Good
BvF:												
BUSHER----------	Poor	Fair	Fair	Poor	Poor	Fair	Very poor	Very poor	Fair	Fair	Very poor	Fair
TASSEL----------	Poor	Poor	Poor	Fair	Fair	Poor	Very poor	Very poor	Poor	Fair	Very poor	Poor
Cr:												
CROWTHER--------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
Cs:												
CROWTHER--------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
Cv:												
CULLISON--------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair

WILDLIFE INTERPRETATIONS--Continued
Cherry County, Nebraska

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
Cx:												
CULLISON--------	Very poor	Poor	Fair	Poor	Fair	Fair	Good	Good	Poor	Poor	Good	Fair
Cy:												
CUTCOMB---------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Good	Poor	Good	Fair
DaB:												
DAILEY----------	Poor	Fair	Fair	Fair	Fair	Fair	Very poor	Very poor	Fair	Fair	Very poor	Fair
DaD:												
DAILEY----------	Poor	Fair	Fair	Fair	Fair	Fair	Very poor	Very poor	Fair	Fair	Very poor	Fair
DfB:												
DOUGHBOY--------	Fair	Fair	Good	Fair	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Good
Dg:												
DOUGHBOY--------	Fair	Fair	Good	Fair	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Good
DtB:												
DUDA----------	Poor	Fair	Fair	Poor	Very poor	Poor	Very poor	Very poor	Poor	Very poor	Very poor	Fair
FISHBERRY-------	Poor	Poor	Poor	Fair	Fair	Poor	Very poor	Very poor	Poor	Fair	Very poor	Poor
DuB:												
DUNDAY----------	Fair	Good	Good	Fair	Fair	Fair	Very poor	Very poor	Good	Fair	Very poor	Good
DuD:												
DUNDAY----------	Fair	Good	Good	Fair	Fair	Fair	Very poor	Very poor	Good	Fair	Very poor	Good
Ec:												
ELS----------	Poor	Poor	Fair	Fair	Fair	Fair	Fair	Fair	Poor	Fair	Fair	Fair
EfB:												
ELS----------	Poor	Poor	Fair	Fair	Fair	Fair	Fair	Fair	Poor	Fair	Fair	Fair
IPAGE----------	Poor	Good	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair
Eh:												
ELS----------	Poor	Poor	Fair	Fair	Fair	Fair	Fair	Fair	Poor	Fair	Fair	Fair
TRYON----------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
Em:												
ELS----------	Poor	Poor	Fair	Fair	Fair	Fair	Poor	Poor	Poor	Fair	Poor	Fair
HOFFLAND--------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
En:												
ELS, CALCAREOUS-	Poor	Poor	Fair	Fair	Fair	Fair	Poor	Poor	Poor	Fair	Poor	Fair
SELIA----------	Poor	Poor	Poor	Poor	Poor	Poor	Fair	Fair	Poor	Poor	Fair	Poor
Es:												
ELSMERE---------	Poor	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Poor	Fair	Fair	Fair
Et:												
ELSMERE---------	Poor	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Poor	Fair	Fair	Fair
Ew:												
ELSMERE---------	Poor	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Poor	Fair	Fair	Fair
LOUP----------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
FbC:												
FISHBERRY-------	Poor	Poor	Poor	Fair	Fair	Poor	Very poor	Very poor	Poor	Fair	Very poor	Poor
FcF:												
FISHBERRY-------	Poor	Poor	Poor	Fair	Fair	Poor	Very poor	Very poor	Poor	Fair	Very poor	Poor

WILDLIFE INTERPRETATIONS--Continued
Cherry County, Nebraska

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
DUDA----------	Very poor	Very poor	Fair	Poor	Very poor	Poor	Very poor	Very poor	Very poor	Very poor	Very poor	Fair
FdG:												
FISHBERRY-------	Very poor	Very poor	Poor	Fair	Fair	Poor	Very poor	Very poor	Very poor	Fair	Very poor	Poor
ROCK OUTCROP----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
Fe:												
FLUVAQUENTS, SANDY----------	Very poor	Very poor	Poor	Very poor	Very poor	Very poor	Good	Good	Very poor	Very poor	Good	Very poor
Ga:												
GANNETT---------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
Gb:												
GANNETT---------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
Gc:												
GUS----------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
Gf:												
GUS----------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
He:												
HENNINGS--------	Good	Good	Good	Good	Good	Good	Poor	Very poor	Good	Good	Very poor	Good
HeC:												
HENNINGS--------	Fair	Good	Good	Good	Good	Good	Poor	Very poor	Good	Good	Very poor	Good
HeD:												
HENNINGS--------	Fair	Good	Good	Good	Good	Good	Poor	Very poor	Good	Good	Very poor	Good
HgE:												
HENNINGS--------	Poor	Fair	Good	Good	Good	Good	Poor	Very poor	Fair	Fair	Very poor	Good
ANSELMO---------	Poor	Fair	Good	Good	Good	Good	Very poor	Very poor	Fair	Good	Very poor	Good
Hr:												
HOFFLAND--------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
Hs:												
HOFFLAND--------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
Ht:												
HOLT----------	Fair	Fair	Good	Fair	Very poor	Good	Very poor	Very poor	Fair	Very poor	Very poor	Good
HuC:												
HOLT----------	Fair	Fair	Good	Fair	Very poor	Good	Very poor	Very poor	Fair	Very poor	Very poor	Good
LONGPINE--------	Poor	Poor	Poor	Fair	Fair	Poor	Very poor	Very poor	Poor	Fair	Very poor	Poor
HuD:												
HOLT----------	Poor	Fair	Good	Fair	Very poor	Good	Very poor	Very poor	Poor	Very poor	Very poor	Good
LONGPINE--------	Poor	Poor	Poor	Fair	Fair	Poor	Very poor	Very poor	Poor	Fair	Very poor	Poor
HyC:												
HOLT----------	Fair	Fair	Good	Fair	Very poor	Good	Very poor	Very poor	Fair	Very poor	Very poor	Good
VETAL----------	Fair	Good	Good	Good	Good	Good	Poor	Very poor	Good	Good	Very poor	Good

WILDLIFE INTERPRETATIONS--Continued
Cherry County, Nebraska

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
Ic:												
CALAMUS---------	Poor	Poor	Fair	Poor	Poor	Good	Poor	Very poor	Poor	Very poor	Very poor	Fair
Id:												
CALAMUS---------	Poor	Fair	Good	Fair	Fair	Good	Poor	Very poor	Fair	Poor	Very poor	Good
IgB:												
IPAGE----------	Poor	Good	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair
IhB:												
IPAGE----------	Poor	Good	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair
IpB:												
IPAGE----------	Poor	Good	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair
ItB:												
IPAGE----------	Poor	Good	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair
TRYON----------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
Jn:												
JANSEN----------	Fair	Good	Good	Fair	Fair	Fair	Very poor	Very poor	Good	Fair	Very poor	Fair
Ke:												
KEYA----------	Good	Good	Fair	Good	Poor	---	Very poor	Very poor	Good	Poor	Very poor	Fair
LfB:												
LIBORY----------	Fair	Fair	Good	Good	Good	Good	Poor	Very poor	Fair	Good	Very poor	Good
Lh:												
LODGEPOLE-------	Poor	Fair	Fair	Poor	Poor	Poor	Good	Good	Fair	Poor	Good	Poor
Lo:												
LOUP----------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
Lp:												
LOUP----------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
Ma:												
MARLAKE---------	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Good	Good	Very poor	Very poor	Good	Very poor
McB:												
MCKELVIE--------	Poor	Fair	Fair	Poor	Poor	Good	Very poor	Very poor	Fair	Poor	Very poor	Fair
McD:												
MCKELVIE--------	Poor	Fair	Fair	Poor	Poor	Good	Very poor	Very poor	Fair	Poor	Very poor	Fair
McF:												
MCKELVIE--------	Poor	Fair	Fair	Poor	Poor	Good	Very poor	Very poor	Fair	Poor	Very poor	Fair
MdF:												
MCKELVIE--------	Poor	Fair	Fair	Poor	Poor	Good	Very poor	Very poor	Fair	Poor	Very poor	Fair
FISHBERRY-------	Poor	Poor	Poor	Fair	Fair	Poor	Very poor	Very poor	Poor	Fair	Very poor	Poor
MeG:												
MCKELVIE--------	Very poor	Very poor	Fair	Fair	Fair	Good	Very poor	Very poor	Very poor	Fair	Very poor	Poor
FISHBERRY-------	Very poor	Very poor	Poor	Fair	Fair	Poor	Very poor	Very poor	Very poor	Fair	Very poor	Poor
MfG:												
MCKELVIE--------	Very poor	Very poor	Fair	Fair	Fair	Good	Very poor	Very poor	Very poor	Fair	Very poor	Poor
ROCK OUTCROP----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor

WILDLIFE INTERPRETATIONS--Continued
Cherry County, Nebraska

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
MgG:												
MCKELVIE--------	Very poor	Very poor	Fair	Fair	Fair	Good	Very poor	Very poor	Very poor	Fair	Very poor	Poor
USTORTHENTS-----	Very poor	Poor	Fair	Fair	Fair	Good	Very poor	Very poor	Poor	Fair	Very poor	Poor
MxB:												
MEADIN----------	Poor	Poor	Fair	Poor	Poor	Fair	Very poor	Very poor	Poor	Poor	Very poor	Fair
MxF:												
MEADIN----------	Very poor	Poor	Fair	Poor	Poor	Fair	Very poor	Very poor	Poor	Poor	Very poor	Fair
Mz:												
MEDIHEMISTS-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Good	Good	Very poor	Very poor	Good	Very poor
NeB:												
NENZEL----------	Poor	Good	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair
NfB:												
NENZEL----------	Poor	Good	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair
Or:												
ORD----------	Good	Good	Good	Good	Good	Good	Fair	Fair	Good	Good	Fair	Good
OsD:												
ORPHA----------	Poor	Fair	Fair	Poor	Poor	Fair	Very poor	Very poor	Poor	Poor	Very poor	Fair
OtF:												
ORPHA----------	Poor	Fair	Fair	Poor	Poor	Fair	Very poor	Very poor	Poor	Poor	Very poor	Fair
NIOBRARA--------	Poor	Poor	Poor	Fair	Fair	Poor	Very poor	Very poor	Poor	Fair	Very poor	Poor
OxG:												
ORPHA----------	Very poor	Very poor	Fair	Poor	Poor	Fair	Very poor	Very poor	Very poor	Poor	Very poor	Poor
ROCK OUTCROP----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
PtB:												
PIVOT----------	Fair	Fair	Fair	Good	Fair	Fair	Very poor	Very poor	Fair	Poor	Very poor	Fair
SfB:												
SANDOSE---------	Fair	Good	Good	Good	Good	Good	Poor	Very poor	Good	Good	Very poor	Good
ShB:												
SANDOSE---------	Fair	Good	Good	Good	Good	Good	Poor	Very poor	Good	Good	Very poor	Good
HENNINGS--------	Fair	Good	Good	Good	Good	Good	Poor	Very poor	Good	Good	Very poor	Good
ShC:												
SANDOSE---------	Fair	Good	Good	Good	Good	Good	Poor	Very poor	Good	Good	Very poor	Good
HENNINGS--------	Fair	Good	Good	Good	Good	Good	Poor	Very poor	Good	Good	Very poor	Good
ShD:												
SANDOSE---------	Poor	Fair	Good	Good	Good	Good	Poor	Very poor	Fair	Good	Very poor	Good
HENNINGS--------	Poor	Fair	Good	Good	Good	Good	Poor	Very poor	Fair	Fair	Very poor	Good
SnB:												
SATANTA---------	Good	Good	Fair	Good	Good	Fair	Poor	Very poor	Good	Good	Very poor	Fair
SoB:												
SIMEON----------	Poor	Poor	Fair	Poor	Poor	Poor	Very poor	Very poor	Poor	Poor	Very poor	Fair

WILDLIFE INTERPRETATIONS--Continued
Cherry County, Nebraska

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
SvD:												
SIMEON----------	Poor	Poor	Fair	Poor	Poor	Poor	Very poor	Very poor	Poor	Poor	Very poor	Fair
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
SvF:												
SIMEON----------	Poor	Poor	Fair	Poor	Poor	Poor	Very poor	Very poor	Poor	Poor	Very poor	Fair
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
Tn:												
TRYON----------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
To:												
TRYON----------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
TwC:												
TUTHILL---------	Fair	Fair	Good	Fair	Very poor	Very poor	Very poor	Very poor	Fair	Very poor	Very poor	Good
TwD:												
TUTHILL---------	Poor	Fair	Good	Fair	Very poor	Very poor	Very poor	Very poor	Fair	Very poor	Very poor	Good
VcB:												
VALENT----------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
VcD:												
VALENT----------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
VcE:												
VALENT----------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
VcF:												
VALENT----------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
VALENT----------	Very poor	Very poor	Fair	Poor	Poor	Poor	Very poor	Very poor	Poor	Poor	Very poor	Fair
VcG:												
VALENT----------	Very poor	Very poor	Fair	Poor	Poor	Poor	Very poor	Very poor	Poor	Poor	Very poor	Fair
VdD:												
VALENT----------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
VgD:												
VALENT----------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
ELS----------	Poor	Poor	Fair	Fair	Fair	Fair	Fair	Fair	Poor	Fair	Fair	Fair
VhF:												
VALENT----------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
TRYON----------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
VkB:												
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
VkD:												
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
VkE:												
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair

WILDLIFE INTERPRETATIONS--Continued
Cherry County, Nebraska

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herbaceous plants	Hardwood trees	Coniferous plants	Shrubs	Wetland plants	Shallow water areas	Openland wildlife	Woodland wildlife	Wetland wildlife	Rangeland wildlife
VkF:												
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
VALENTINE-------	Very poor	Very poor	Fair	Poor	Poor	Poor	Very poor	Very poor	Poor	Poor	Very poor	Fair
VkG:												
VALENTINE-------	Very poor	Very poor	Fair	Poor	Poor	Poor	Very poor	Very poor	Poor	Poor	Very poor	Fair
VmB:												
VALENTINE-------	Fair	Good	Fair	Poor	Fair	Fair	Very poor	Very poor	Fair	Poor	Very poor	Fair
VmD:												
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
VnD:												
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
DUDA----------	Very poor	Very poor	Fair	Poor	Very poor	Poor	Very poor	Very poor	Very poor	Very poor	Very poor	Fair
VnF:												
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
DUDA----------	Very poor	Very poor	Fair	Poor	Very poor	Poor	Very poor	Very poor	Very poor	Very poor	Very poor	Fair
VoD:												
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
ELS----------	Poor	Poor	Fair	Fair	Fair	Fair	Fair	Fair	Poor	Fair	Fair	Fair
VpD:												
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
LIBORY----------	Fair	Fair	Good	Good	Good	Good	Poor	Very poor	Fair	Good	Very poor	Good
VsD:												
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
SANDOSE---------	Fair	Good	Good	Good	Good	Good	Poor	Very poor	Good	Good	Very poor	Good
VwF:												
VALENTINE-------	Poor	Fair	Fair	Poor	Poor	Poor	Very poor	Very poor	Fair	Poor	Very poor	Fair
TRYON----------	Very poor	Poor	Fair	Poor	Poor	Fair	Good	Good	Poor	Poor	Good	Fair
VyB:												
VETAL----------	Fair	Fair	Fair	Fair	Fair	Fair	Poor	Very poor	Fair	Fair	Very poor	Fair
Vz:												
VETAL----------	Good	Good	Good	Good	Good	Good	Poor	Very poor	Good	Good	Very poor	Good
W:												
WATER----------	---	---	---	---	---	---	---	---	---	---	---	---
WeB:												
WILDHORSE-------	Poor	Poor	Fair	Very poor	Very poor	Poor	Fair	Fair	Poor	Poor	Fair	Poor

YIELDS PER ACRE OF PASTURE AND HAYLAND
Cherry County, Nebraska

Use and Explanation of Pastureland and Hayland Interpretations

This subsection provides information concerning the suitability of soils for the production of pasture and hayland. This subsection may contain pasture and hayland suitability groupings, land capability and yield estimates, yield estimates for individual grasses or legumes, or other information pertaining to the production of forage.

Pasture and Hayland Suitability Groupings

Soils are placed in pasture and hayland groups according to their suitability for the production of forage. The soils in each group are enough alike to be suited to the same grasses or legumes, to have similar limitations and hazards, to require similar management, and to have similar productivity and other responses to management. Thus, the pasture and hayland suitability group is a convenient way of grouping the soils for their management. If used, these groupings are identified and described in other reports in the subsection.

Yield Estimates

The average yields per acre that can be expected of the principal pasture or hayland crops, under a high level of management, are presented in this subsection. In any given year, yields may be higher or lower than those indicated in the tables because of variations in rainfall or other climatic factors. The yields are based mainly on the experience and records of farmers, conservationists, and extension agents. Available yield data from nearby counties and results of field trials and demonstrations are also considered.

Under good management, proper grazing is essential for the production of high quality forage, stand survival, and erosion control. Proper grazing helps plants maintain sufficient and generally vigorous top growth during the growing season. Brush control is essential in many areas, and weed control generally is needed. Rotation grazing and renovation are also important management practices.

The Pasture and Hayland table show yield estimates in tons per acre and animal unit months for pasture and hayland groups. An animal unit month is the amount of forage required by one animal unit (AU) for 30 days. On animal unit (AU) is one (1000 pound) mature cow and a calf up to weaning age (usually six months of age) or their equivalent. The Natural Resources Conservation Service uses 900 pounds of air dry forage as the amount needed to meet this requirement. To maintain a healthy and vigorous plant community, the degree of use should never be greater than 50 percent. Therefore only 25 percent of the total biomass grown is considered consumed by the grazing animal. Animal Unit Months can be converted to air dry pounds per acre production by multiplying the AUM by 30 days, then by 30 pounds per day, and then by four. This figure is the amount of total forage production.

Planners of management systems for individual fields or farms should consider the detailed information given in the description of each soil in the Nontechnical Description section. Specific information on plants and yields can be obtained from the local office of the Natural Resources Conservation Service or the Cooperative Extension Service.

YIELDS PER ACRE OF PASTURE AND HAYLAND--Continued
Cherry County, Nebraska

(Yields in the "N" columns are for nonirrigated soils; those in the "I" columns are for irrigated soils. Yields are those that can be expected under a high level of nonirrigated and irrigated management by component. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil) Animal-unit-month: The amount of forage or feed required to feed one animal unit (one cow, one horse, one mule, five sheep, or five goats) for 30 days.

Map symbol and soil name	Land capability		Alfalfa hay		Grass hay	
	N	I	N	I	N	I
			Tons	Tons	Tons	Tons
Ad:						
Almeria	6w	---	---	---	---	---
Ae:						
Almeria	5w	---	---	---	2.50	---
Af:						
Almeria	5w	---	---	---	---	---
AmB:						
Anselmo	3e	3e	---	4.20	---	---
AmC:						
Anselmo	4e	4e	---	3.70	---	---
An:						
Anselmo	2e	2e	2.40	4.70	---	---
AnC:						
Anselmo	3e	3e	2.30	4.50	---	---
AnD:						
Anselmo	4e	4e	1.90	3.50	---	---
AuF:						
Anselmo	6e	---	---	---	---	---
Longpine	6s	---	---	---	---	---
BcG:						
Blownout Land	7e	---	---	---	---	---
Valentine	6e	---	---	---	---	---
Bm:						
Bolent	6w	---	---	---	---	---
Bn:						
Bolent	4e	4w	2.30	4.20	---	---
Bp:						
Bolent	4e	4w	---	---	---	---
Inglewood	4e	4e	---	---	---	---
BsD:						
Busher	4e	4e	1.10	4.00	---	---
BvF:						
Busher	6e	---	---	---	---	---
Tassel	6s	---	---	---	---	---
Cr:						
Crowther	5w	---	---	---	---	---
Cs:						
Crowther	5w	---	---	---	---	---
Cv:						
Cullison	5w	---	---	---	---	---
Cx:						
Cullison	5w	---	---	---	---	---
Cy:						
Cutcomb	5w	---	---	---	---	---
DaB:						
Dailey	4e	4e	---	3.70	---	---
DaD:						
Dailey	6e	4e	---	3.50	---	---
DfB:						
Doughboy	4e	3e	1.80	5.00	---	---
Dg:						
Doughboy	3e	2e	3.40	5.50	---	---

YIELDS PER ACRE OF PASTURE AND HAYLAND--Continued
Cherry County, Nebraska

(Yields in the "N" columns are for nonirrigated soils; those in the "I" columns are for irrigated soils. Yields are those that can be expected under a high level of nonirrigated and irrigated management by component. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil) Animal-unit-month: The amount of forage or feed required to feed one animal unit (one cow, one horse, one mule, five sheep, or five goats) for 30 days.

Map symbol and soil name	Land capability		Alfalfa hay		Grass hay	
	N	I	N	I	N	I
			Tons	Tons	Tons	Tons
DtB:						
Duda	4e	4e	---	---	---	---
Fishberry	6e	---	---	---	---	---
DuB:						
Dunday	4e	3e	1.50	4.00	---	---
DuD:						
Dunday	6e	4e	---	3.60	---	---
Ec:						
Els	6e	4w	---	3.00	---	---
EfB:						
Els	6e	4w	---	---	---	---
Ipage	6e	4e	---	---	---	---
Eh:						
Els	6e	4w	---	---	---	---
Tryon	5w	---	---	---	2.30	---
Em:						
Els	6e	4w	---	---	---	---
Hoffland	5w	---	---	---	2.00	---
En:						
Els, Calcareous	6e	4w	---	---	---	---
Selia	6s	---	---	---	0.50	---
Es:						
Elsmere	4w	4w	1.50	3.50	---	---
Et:						
Elsmere	4w	4w	1.50	3.60	---	---
Ew:						
Elsmere	4w	4w	---	---	---	---
Loup	5w	---	---	---	---	---
FbC:						
Fishberry	6e	---	---	---	---	---
FcF:						
Fishberry	6e	---	---	---	---	---
Duda	6e	---	---	---	---	---
FdG:						
Fishberry	7e	---	---	---	---	---
Rock Outcrop	8s	---	---	---	---	---
Fe:						
Fluvaquents, Sandy	8w	---	---	---	---	---
Ga:						
Gannett	5w	---	---	---	---	---
Gb:						
Gannett	5w	---	---	---	---	---
Gc:						
Gus	5w	---	---	---	---	---
Gf:						
Gus	5w	---	---	---	---	---
He:						
Hennings	2e	2e	2.20	5.20	---	---
HeC:						
Hennings	3e	3e	2.00	5.00	---	---

YIELDS PER ACRE OF PASTURE AND HAYLAND--Continued
Cherry County, Nebraska

(Yields in the "N" columns are for nonirrigated soils; those in the "I" columns are for irrigated soils. Yields are those that can be expected under a high level of nonirrigated and irrigated management by component. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil) Animal-unit-month: The amount of forage or feed required to feed one animal unit (one cow, one horse, one mule, five sheep, or five goats) for 30 days.

Map symbol and soil name	Land capability		Alfalfa hay		Grass hay	
	N	I	N	I	N	I
			Tons	Tons	Tons	Tons
HeD:						
Hennings----------	4e	4e	---	4.50	---	---
HgE:						
Hennings----------	6e	---	---	---	---	---
Anselmo----------	6e	---	---	---	---	---
Hr:						
Hoffland----------	5w	---	---	---	---	---
Hs:						
Hoffland----------	5w	---	---	---	---	---
Ht:						
Holt----------	3e	3e	1.40	4.30	---	---
HuC:						
Holt----------	3e	3e	1.30	4.10	---	---
Longpine----------	6s	---	---	---	---	---
HuD:						
Holt----------	4e	4e	1.20	4.00	---	---
Longpine----------	6s	---	---	---	---	---
HyC:						
Holt----------	3e	3e	1.50	4.60	---	---
Vetal----------	2e	2e	1.80	5.00	---	---
Ic:						
Calamus----------	6e	4e	---	4.00	---	---
Id:						
Calamus----------	4e	4e	1.20	4.20	---	---
IgB:						
Ipage----------	6e	4e	---	3.90	---	---
IhB:						
Ipage----------	6e	4e	---	4.00	---	---
IpB:						
Ipage----------	4e	4e	1.20	4.10	---	---
ItB:						
Ipage----------	6e	4e	---	---	---	---
Tryon----------	5w	---	---	---	---	---
Jn:						
Jansen----------	2e	2e	1.80	5.00	---	---
Ke:						
Keya----------	2c	1	2.20	5.50	---	---
LfB:						
Libory----------	3e	3e	3.40	5.20	---	---
Lh:						
Lodgepole----------	3w	4w	2.00	3.80	---	---
Lo:						
Loup----------	5w	---	---	---	---	---
Lp:						
Loup----------	5w	---	---	---	---	---
Ma:						
Marlake----------	8w	---	---	---	---	---
McB:						
Mckelvie----------	4e	4e	1.40	3.70	---	---
McD:						
Mckelvie----------	6e	4e	0.90	3.10	---	---

YIELDS PER ACRE OF PASTURE AND HAYLAND--Continued
Cherry County, Nebraska

(Yields in the "N" columns are for nonirrigated soils; those in the "I" columns are for irrigated soils. Yields are those that can be expected under a high level of nonirrigated and irrigated management by component. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil) Animal-unit-month: The amount of forage or feed required to feed one animal unit (one cow, one horse, one mule, five sheep, or five goats) for 30 days.

Map symbol and soil name	Land capability		Alfalfa hay		Grass hay	
	N	I	N	I	N	I
			Tons	Tons	Tons	Tons
McF:						
Mckelvie	6e	---	---	---	---	---
MdF:						
Mckelvie	6e	---	---	---	---	---
Fishberry	6e	---	---	---	---	---
MeG:						
Mckelvie	7e	---	---	---	---	---
Fishberry	7e	---	---	---	---	---
MfG:						
Mckelvie	7e	---	---	---	---	---
Rock Outcrop	8s	---	---	---	---	---
MgG:						
Mckelvie	7e	---	---	---	---	---
Ustorthents	7e	---	---	---	---	---
MxB:						
Meadin	6s	4s	---	2.00	---	---
MxF:						
Meadin	6s	---	---	---	---	---
Mz:						
Medihemists	8w	---	---	---	---	---
NeB:						
Nenzel	4e	4e	1.40	4.30	---	---
NfB:						
Nenzel	4e	4e	1.60	4.50	---	---
Or:						
Ord	3w	3w	3.40	5.50	---	---
OsD:						
Orpha	6e	4e	---	2.50	---	---
OtF:						
Orpha	6e	---	---	---	---	---
Niobrara	6s	---	---	---	---	---
OxG:						
Orpha	7e	---	---	---	---	---
Rock Outcrop	8s	---	---	---	---	---
PtB:						
Pivot	4e	3e	1.50	4.00	---	---
SfB:						
Sandose	3e	3e	2.00	5.20	---	---
ShB:						
Sandose	3e	3e	2.00	5.00	---	---
Hennings	3e	3e	2.00	5.00	---	---
ShC:						
Sandose	4e	3e	1.80	5.00	---	---
Hennings	4e	3e	1.80	4.80	---	---
ShD:						
Sandose	6e	4e	---	4.50	---	---
Hennings	6e	4e	---	4.30	---	---
SnB:						
Satanta	3e	2e	---	5.40	---	---
SoB:						
Simeon	6s	4s	---	3.00	---	---

YIELDS PER ACRE OF PASTURE AND HAYLAND--Continued
Cherry County, Nebraska

(Yields in the "N" columns are for nonirrigated soils; those in the "I" columns are for irrigated soils. Yields are those that can be expected under a high level of nonirrigated and irrigated management by component. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil) Animal-unit-month: The amount of forage or feed required to feed one animal unit (one cow, one horse, one mule, five sheep, or five goats) for 30 days.

Map symbol and soil name	Land capability		Alfalfa hay		Grass hay	
	N	I	N	I	N	I
			Tons	Tons	Tons	Tons
SvD:						
Simeon----------	6s	4s	---	3.20	---	---
Valentine----------	6e	4e	---	3.10	---	---
SvF:						
Simeon----------	6s	---	---	---	---	---
Valentine----------	6e	---	---	---	---	---
Tn:						
Tryon----------	5w	---	---	---	---	---
To:						
Tryon----------	5w	---	---	---	---	---
TwC:						
Tuthill----------	3e	3e	1.30	4.00	---	---
TwD:						
Tuthill----------	4e	4e	1.10	3.50	---	---
VcB:						
Valent----------	6e	4e	---	3.10	---	---
VcD:						
Valent----------	6e	4e	---	3.00	---	---
VcE:						
Valent----------	6e	---	---	---	---	---
VcF:						
Valent----------	6e	---	---	---	---	---
Valent----------	7e	---	---	---	---	---
VcG:						
Valent----------	7e	---	---	---	---	---
VdD:						
Valent----------	6e	4e	---	3.10	---	---
VgD:						
Valent----------	6e	4e	---	---	---	---
Els----------	6e	4w	---	---	---	---
VhF:						
Valent----------	6e	---	---	---	---	---
Tryon----------	5w	---	---	---	---	---
VkB:						
Valentine----------	6e	4e	---	3.20	0.40	---
VkD:						
Valentine----------	6e	4e	---	3.10	0.40	---
VkE:						
Valentine----------	6e	---	---	---	---	---
VkF:						
Valentine----------	6e	---	---	---	---	---
Valentine----------	7e	---	---	---	---	---
VkG:						
Valentine----------	7e	---	---	---	---	---
VmB:						
Valentine----------	4e	4e	1.30	3.60	---	---
VmD:						
Valentine----------	6e	4e	0.80	3.20	---	---
VnD:						
Valentine----------	6e	4e	---	3.50	0.40	---
Duda----------	6e	4e	---	---	---	---

YIELDS PER ACRE OF PASTURE AND HAYLAND--Continued
Cherry County, Nebraska

(Yields in the "N" columns are for nonirrigated soils; those in the "I" columns are for irrigated soils. Yields are those that can be expected under a high level of nonirrigated and irrigated management by component. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil) Animal-unit-month: The amount of forage or feed required to feed one animal unit (one cow, one horse, one mule, five sheep, or five goats) for 30 days.

Map symbol and soil name	Land capability		Alfalfa hay		Grass hay	
	N	I	N	I	N	I
			Tons	Tons	Tons	Tons
VnF:						
Valentine----------	6e	---	---	---	---	---
Duda----------	6e	---	---	---	---	---
VoD:						
Valentine----------	6e	4e	---	---	---	---
Els----------	6e	4w	---	---	---	---
VpD:						
Valentine----------	6e	4e	---	---	---	---
Libory----------	3e	3e	---	---	---	---
VsD:						
Valentine----------	6e	4e	---	4.00	---	---
Sandose----------	3e	3e	---	5.00	---	---
VwF:						
Valentine----------	6e	---	---	---	---	---
Tryon----------	5w	---	---	---	---	---
VyB:						
Vetal----------	3e	3e	---	4.80	---	---
Vz:						
Vetal----------	2e	2e	2.50	5.50	---	---
W:						
Water----------	---	---	---	---	---	---
WeB:						
Wildhorse----------	6s	---	---	---	---	---

CONSERVATION TREE AND SHRUB MANAGEMENT
Cherry County, Nebraska

A Conservation Tree/Shrub Suitability Group (CTSG), formerly Windbreak Suitability Group, is a physiographic unit or area having similar climatic and edaphic characteristics that control the selection and height growth of trees and shrubs.

In this table, the Conservation Tree and Shrub Grouping is expressed as a group index number. The group index for Conservation Tree and Shrub groups (CTSG) are a guide for species best suited for different kinds of soil and for prediction height, growth, and effectiveness. The groupings can be used when selection woody plants for windbreaks, wildlife plantings riparian buffers, reforestation, other environmental plantings, recreation, landscaping, wetland restoration or enhancement and critical area plantings. CTSG's are developed to assure satisfactory species selection and adaptation to specific conditions of soil, climate and physiography. CTSG's are a guide for selection species best suited for different kinds of soil and prediction height growth and effectiveness.

All soil series mapped in the state have been placed in 10 groups of similar soil characteristics. Groups 1, 2, 3, 4, 6, and 9 are further divided into subgroups. In addition, all groups provide information by Major Land Resource Areas.

Each tree or shrub species has certain climatic and physiographic limits. Within these parameters a tree or shrub may be well or poorly suited because of soil characteristics. Each tree or shrub also has definable potentials of height growth depending on the factors just mentioned. Accurate definitions of potential heights are necessary for proper windbreak planning and design.

Windbreaks protect livestock, buildings, roads and yards from wind and snow. They also protect fruit trees and gardens, and they furnish habitat for wildlife. Several rows of low-growing and high-growing broadleaf and coniferous trees and shrubs provide the most protection.

Field windbreaks are narrow plantings made at right angles to the prevailing wind and at specific intervals across the field. The interval depends on the erodibility of the soil. Field windbreaks protect cropland and crops from wind, help to keep snow on the fields, and provide food and cover for wildlife.

Environmental plantings help to beautify and screen houses and other buildings and to abate noise. The plants, mostly evergreen shrubs and trees, are closely spaced. To ensure plant survival, a healthy planting stock of suitable species should be planted properly on a well prepared site and maintained in good condition.

Windbreaks are often planted on land that did not grow trees originally. Knowledge of how trees perform on such land can be gained only by observing and recording their performance where trees have been planted and survived. The problem is compounded by the fact that many favorite windbreak species are not indigenous to the areas in which they are planted.

The Kansas Field Office Technical Guide Notice KS-230, Conservation Tree and Shrub Plantings Suitability Groups shows the adapted species listing for each group index number. Showing the height that locally grown trees and shrubs are expected to reach in 20 years on various soils. The estimates are based on measurements and observation of established plantings that have been given adequate care. This information should be used to determine the placement of a windbreak, the area protected and the arrangement of species.

A number of attributes are included in the CTSG species tables for each group number found in this section of the Field Office Technical Guide. These attributes were rated subjectively and assigned a relative value to further assist those unfamiliar with individual species characteristics or desirability for the intended use. Definitions and explanations can be found. Additional information on planning windbreaks and screens and planting and caring for trees and shrubs can be obtained from the local office of the Natural Resources Conservation Service or of the Cooperative Extension Service or from a commercial nursery. See part 537 of the National Forestry Manual for additional information.

In the Tree and Shrub Management table interpretive ratings are given for various aspects of forest and conservation tree and shrub management. Some rating class terms indicate the degree to which the soils are suited to a specified forest management practice. Well suited indicates that the soil has features that are favorable for the specified practice and has no limitations. Good performance can be expected, and little or no maintenance is needed. Moderately well suited indicates that the soil has features that are moderately favorable for the specified practice. One or more soil properties are less than desirable and fair performance can be expected. Some maintenance is needed. Poorly suited indicates that the soil has one or more properties that are unfavorable for the specified practice. Overcoming the unfavorable properties requires special design, extra maintenance, and costly alteration. Unsuited indicates that the expected performance of the soil is unacceptable for the specified practice or that extreme measures are needed to overcome the undesirable soil properties.

The paragraphs that follow indicate the soil properties considered in rating the soils for forest and conservation tree and shrub management practices. More detailed information about the criteria used in the ratings is available in the "National Forestry Manual," which is available in local offices of the Natural Resources Conservation Service or on the Internet. Also, in the Kansas Field Office Technical Guide Notice KS-230, Conservation Tree and Shrub Plantings Suitability Groups.

Ratings in the columns suitability for hand planting and suitability for mechanical planting are based on slope, depth to a restrictive layer, content of sand, plasticity index, rock fragments on or below the surface, depth to a water table, and ponding. The soils are described as well suited, moderately well suited, poorly suited, or unsuited to these methods of planting. It is assumed that necessary site preparation is completed before seedlings are planted.

Ratings in the column suitability for mechanical site preparation (surface) are based on slope, depth to a restrictive layer, plasticity index, rock fragments on or below the surface, depth to a water table, and ponding. The soils are described as well suited, poorly suited, or unsuited to this management activity. The part of the soil from the surface to a depth of about 1-foot is considered in the ratings.

Ratings in the column suitability for mechanical site preparation (deep) are based on slope, depth to a restrictive layer, rock fragments on or below the surface, depth to a water table, and ponding. The soils are described as well suited, poorly suited, or unsuited to this management activity. The part of the soil from the surface to a depth of about 3 feet is considered in the ratings.

Ratings in the column potential for seedling mortality are based on flooding, ponding, depth to a water table, content of lime, reaction, salinity, available water capacity, soil moisture regime, soil temperature regime, aspect, and slope. The soils are described as having a low, moderate, or high potential for seedling mortality. See the National Forestry Manual, Subpart B for criteria used in rating management concerns. Specific information on plants and yields can be obtained from the local office of the Natural Resources Conservation Service or the Cooperative Extension Service.

CONSERVATION TREE AND SHRUB MANAGEMENT
Cherry County,
Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Pines and spruces are prone to disease problems. See text for further explanation of ratings in this table.)

Map symbol and soil name	Wind break Group	Suitability for hand planting	Suitability for mechanical planting	Suitability for mechanical site preparation (surface)	Suitability for mechanical site preparation (deep)	Potential for seedling mortality
		Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features
Ad:						
Almeria----------		Moderately suited Sandiness	Moderately suited Sandiness	Well suited	Well suited	High Wetness
Ae:						
Almeria----------		Well suited	Well suited	Well suited	Well suited	High Wetness
Af:						
Almeria----------		Moderately suited Sandiness	Moderately suited Sandiness	Well suited	Well suited	High Wetness
AmB:						
Anselmo----------		Well suited	Well suited	Well suited	Well suited	Moderate Available water
AmC:						
Anselmo----------		Well suited	Moderately suited Slope	Well suited	Well suited	Moderate Available water
An:						
Anselmo----------		Well suited	Well suited	Well suited	Well suited	Moderate Available water
AnC:						
Anselmo----------		Well suited	Well suited	Well suited	Well suited	Moderate Available water
AnD:						
Anselmo----------		Well suited	Moderately suited Slope	Well suited	Well suited	Moderate Available water
AuF:						
Anselmo----------		Well suited	Moderately suited Slope	Well suited	Well suited	Moderate Available water
Longpine----------		Moderately suited Rock fragments	Poorly suited Slope Rock fragments	Poorly suited Rock fragments Slope	Poorly suited Slope	Moderate Soil reaction
BcG:						
Blownout Land-------		Not rated	Not rated	Not rated	Not rated	Not rated
Valentine----------		Moderately suited Sandiness	Moderately suited Slope Sandiness	Well suited	Well suited	Low
Bm:						
Bolent----------		Moderately suited Sandiness	Moderately suited Sandiness	Well suited	Well suited	Low
Bn:						
Bolent----------		Well suited	Well suited	Well suited	Well suited	Low
Bp:						
Bolent----------		Moderately suited Sandiness	Moderately suited Sandiness	Well suited	Well suited	Low
Inglewood----------		Well suited	Well suited	Well suited	Well suited	Low
BsD:						
Busher----------		Well suited	Moderately suited Slope	Well suited	Well suited	Moderate Available water
BvF:						
Busher----------		Well suited	Moderately suited Slope	Well suited	Well suited	Moderate Available water
Tassel----------		Well suited	Poorly suited Slope	Poorly suited Slope	Poorly suited Slope	Moderate Soil reaction
Cr:						
Crowther----------		Well suited	Well suited	Well suited	Well suited	High Wetness Lime Soil reaction

CONSERVATION TREE AND SHRUB MANAGEMENT
Cherry County,
Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Pines and spruces are prone to disease problems. See text for further explanation of ratings in this table.)

Map symbol and soil name	Wind break Group	Suitability for hand planting	Suitability for mechanical planting	Suitability for mechanical site preparation (surface)	Suitability for mechanical site preparation (deep)	Potential for seedling mortality
		Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features
Cs:						
Crowther----------		Well suited	Well suited	Well suited	Well suited	High Wetness Lime Soil reaction
Cv:						
Cullison----------		Well suited	Well suited	Well suited	Well suited	High Wetness Lime Soil reaction
Cx:						
Cullison----------		Well suited	Well suited	Well suited	Well suited	High Wetness Lime Soil reaction
Cy:						
Cutcomb----------		Moderately suited Rock fragments	Poorly suited Rock fragments	Poorly suited Rock fragments	Well suited	High Wetness Soil reaction
DaB:						
Dailey----------		Well suited	Well suited	Well suited	Well suited	Low
DaD:						
Dailey----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
DfB:						
Doughboy----------		Moderately suited Sandiness	Moderately suited Sandiness	Well suited	Well suited	Moderate Soil reaction
Dg:						
Doughboy----------		Well suited	Well suited	Well suited	Well suited	Moderate Soil reaction
DtB:						
Duda----------		Well suited	Well suited	Well suited	Well suited	Low
Fishberry----------		Moderately suited Sandiness	Moderately suited Sandiness Rock fragments	Well suited	Well suited	Low
DuB:						
Dunday----------		Well suited	Well suited	Well suited	Well suited	Low
DuD:						
Dunday----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
Ec:						
Els----------		Well suited	Well suited	Well suited	Well suited	Low
EfB:						
Els----------		Well suited	Well suited	Well suited	Well suited	Low
Ipage----------		Well suited	Well suited	Well suited	Well suited	Low
Eh:						
Els----------		Well suited	Well suited	Well suited	Well suited	Low
Tryon----------		Well suited	Well suited	Well suited	Well suited	High Wetness
Em:						
Els----------		Well suited	Well suited	Well suited	Well suited	Moderate Soil reaction
Hoffland----------		Well suited	Well suited	Well suited	Well suited	High Wetness Lime
En:						
Els, Calcareous-----		Well suited	Well suited	Well suited	Well suited	Moderate Soil reaction
Selia----------		Well suited	Well suited	Well suited	Well suited	Moderate Soil reaction Salinity
Es:						
Elsmere----------		Well suited	Well suited	Well suited	Well suited	Low
Et:						
Elsmere----------		Well suited	Well suited	Well suited	Well suited	Moderate Soil reaction
Ew:						
Elsmere----------		Well suited	Well suited	Well suited	Well suited	Low
Loup----------		Moderately suited Sandiness	Moderately suited Sandiness	Well suited	Well suited	High Wetness

CONSERVATION TREE AND SHRUB MANAGEMENT
Cherry County,
Nebraska

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Map symbol and soil name	Wind break Group	Suitability for hand planting	Suitability for mechanical planting	Suitability for mechanical site preparation (surface)	Suitability for mechanical site preparation (deep)	Potential for seedling mortality
		Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features
FbC:						
Fishberry----------		Moderately suited Sandiness	Moderately suited Sandiness Rock fragments	Well suited	Well suited	Low
FcF:						
Fishberry----------		Moderately suited Sandiness Rock fragments	Poorly suited Slope Rock fragments Sandiness	Poorly suited Rock fragments Slope	Poorly suited Slope	Low
Duda----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
FdG:						
Fishberry----------		Moderately suited Sandiness Rock fragments Slope	Unsuited Slope Rock fragments Sandiness	Unsuited Slope Rock fragments	Unsuited Slope	Low
Rock Outcrop--------		Not rated	Not rated	Not rated	Not rated	Not rated
Fe:						
Fluvaquents, Sandy--		Unsuited Wetness	Poorly suited Wetness	Unsuited Wetness	Unsuited Wetness	High Wetness
Ga:						
Gannett----------		Well suited	Well suited	Well suited	Well suited	High Wetness
Gb:						
Gannett----------		Well suited	Well suited	Well suited	Well suited	High Wetness
Gc:						
Gus----------		Well suited	Well suited	Well suited	Well suited	High Wetness
Gf:						
Gus----------		Well suited	Well suited	Well suited	Well suited	High Wetness
He:						
Hennings----------		Well suited	Well suited	Well suited	Well suited	Low
HeC:						
Hennings----------		Well suited	Well suited	Well suited	Well suited	Low
HeD:						
Hennings----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
HgE:						
Hennings----------		Well suited	Poorly suited Slope	Poorly suited Slope	Poorly suited Slope	Low
Anselmo----------		Well suited	Moderately suited Slope	Well suited	Well suited	Moderate Available water
Hr:						
Hoffland----------		Well suited	Well suited	Well suited	Well suited	High Wetness Lime
Hs:						
Hoffland----------		Well suited	Well suited	Well suited	Well suited	High Wetness Lime
Ht:						
Holt----------		Well suited	Well suited	Well suited	Well suited	Low
HuC:						
Holt----------		Well suited	Well suited	Well suited	Well suited	Low
Longpine----------		Well suited	Well suited	Well suited	Well suited	Moderate Soil reaction
HuD:						
Holt----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
Longpine----------		Well suited	Moderately suited Slope	Well suited	Well suited	Moderate Soil reaction

CONSERVATION TREE AND SHRUB MANAGEMENT
Cherry County,
Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Pines and spruces are prone to disease problems. See text for further explanation of ratings in this table.)

Map symbol and soil name	Wind break Group	Suitability for hand planting	Suitability for mechanical planting	Suitability for mechanical site preparation (surface)	Suitability for mechanical site preparation (deep)	Potential for seedling mortality
		Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features
HyC:						
Holt----------		Well suited	Well suited	Well suited	Well suited	Low
Vetal----------		Well suited	Well suited	Well suited	Well suited	Low
Ic:						
Calamus----------		Well suited	Well suited	Well suited	Well suited	Low
Id:						
Calamus----------		Well suited	Well suited	Well suited	Well suited	Low
IgB:						
Ipage----------		Well suited	Well suited	Well suited	Well suited	Low
IhB:						
Ipage----------		Well suited	Well suited	Well suited	Well suited	Low
IpB:						
Ipage----------		Well suited	Well suited	Well suited	Well suited	Low
ItB:						
Ipage----------		Well suited	Well suited	Well suited	Well suited	Low
Tryon----------		Well suited	Well suited	Well suited	Well suited	High Wetness
Jn:						
Jansen----------		Well suited	Well suited	Well suited	Well suited	Low
Ke:						
Keya----------		Well suited	Well suited	Well suited	Well suited	Low
LfB:						
Libory----------		Well suited	Well suited	Well suited	Well suited	Low
Lh:						
Lodgepole----------		Poorly suited Stickiness	Poorly suited Stickiness	Poorly suited Stickiness	Well suited	High Wetness
Lo:						
Loup----------		Moderately suited Sandiness	Moderately suited Sandiness	Well suited	Well suited	High Wetness
Lp:						
Loup----------		Well suited	Well suited	Well suited	Well suited	High Wetness
Ma:						
Marlake----------		Well suited	Well suited	Well suited	Well suited	High Wetness
McB:						
Mckelvie----------		Well suited	Well suited	Well suited	Well suited	Low
McD:						
Mckelvie----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
McF:						
Mckelvie----------		Well suited	Poorly suited Slope	Poorly suited Slope	Poorly suited Slope	Low
MdF:						
Mckelvie----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
Fishberry----------		Moderately suited Sandiness	Poorly suited Slope Sandiness Rock fragments	Poorly suited Slope	Poorly suited Slope	Low
MeG:						
Mckelvie----------		Moderately suited Slope	Unsuited Slope	Unsuited Slope	Unsuited Slope	Low
Fishberry----------		Moderately suited Sandiness Slope	Unsuited Slope Sandiness Rock fragments	Unsuited Slope	Unsuited Slope	Low
MfG:						
Mckelvie----------		Moderately suited Slope	Unsuited Slope	Unsuited Slope	Unsuited Slope	Low
Rock Outcrop--------		Poorly suited Restrictive layer Rock fragments Slope	Unsuited Slope Rock fragments	Unsuited Slope Rock fragments	Unsuited Slope	High Soil reaction
MgG:						
Mckelvie----------		Moderately suited Sandiness Slope	Unsuited Slope Sandiness	Unsuited Slope	Unsuited Slope	Low

CONSERVATION TREE AND SHRUB MANAGEMENT
Cherry County,
Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Pines and spruces are prone to disease problems. See text for further explanation of ratings in this table.)

Map symbol and soil name	Wind break Group	Suitability for hand planting	Suitability for mechanical planting	Suitability for mechanical site preparation (surface)	Suitability for mechanical site preparation (deep)	Potential for seedling mortality
		Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features
Ustorthents---------		Moderately suited Slope	Unsuited Slope	Unsuited Slope	Unsuited Slope	Low
MxB:						
Meadin----------		Well suited	Moderately suited Rock fragments	Well suited	Well suited	Low
MxF:						
Meadin----------		Well suited	Poorly suited Slope Rock fragments	Poorly suited Slope	Poorly suited Slope	Low
Mz:						
Medihemists---------		Moderately suited Rock fragments	Poorly suited Rock fragments	Poorly suited Rock fragments	Well suited	High Wetness
NeB:						
Nenzel----------		Well suited	Well suited	Well suited	Well suited	Low
NfB:						
Nenzel----------		Well suited	Well suited	Well suited	Well suited	Moderate Soil reaction
Or:						
Ord----------		Well suited	Well suited	Well suited	Well suited	Moderate Lime Soil reaction
OsD:						
Orpha----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
OtF:						
Orpha----------		Well suited	Poorly suited Slope	Poorly suited Slope	Poorly suited Slope	Low
Niobrara----------		Well suited	Poorly suited Slope	Poorly suited Slope	Poorly suited Slope	Moderate Soil reaction
OxG:						
Orpha----------		Well suited	Unsuited Slope	Poorly suited Slope	Poorly suited Slope	Low
Rock Outcrop--------		Poorly suited Restrictive layer Rock fragments Slope	Unsuited Slope Rock fragments	Unsuited Slope Rock fragments	Unsuited Slope	High Soil reaction
PtB:						
Pivot----------		Well suited	Well suited	Well suited	Well suited	Low
SfB:						
Sandose----------		Well suited	Well suited	Well suited	Well suited	Low
ShB:						
Sandose----------		Well suited	Well suited	Well suited	Well suited	Low
Hennings----------		Well suited	Well suited	Well suited	Well suited	Low
ShC:						
Sandose----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
Hennings----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
ShD:						
Sandose----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
Hennings----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
SnB:						
Satanta----------		Well suited	Well suited	Well suited	Well suited	Low
SoB:						
Simeon----------		Moderately suited Sandiness	Moderately suited Sandiness	Well suited	Well suited	Low
SvD:						
Simeon----------		Moderately suited Sandiness	Moderately suited Sandiness	Well suited	Well suited	Low
Valentine----------		Moderately suited Sandiness	Moderately suited Sandiness Slope	Well suited	Well suited	Low

CONSERVATION TREE AND SHRUB MANAGEMENT
Cherry County,
Nebraska

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Map symbol and soil name	Wind break Group	Suitability for hand planting	Suitability for mechanical planting	Suitability for mechanical site preparation (surface)	Suitability for mechanical site preparation (deep)	Potential for seedling mortality
		Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features
SvF:						
Simeon----------		Moderately suited Sandiness	Poorly suited Slope Sandiness	Poorly suited Slope	Poorly suited Slope	Low
Valentine----------		Moderately suited Sandiness	Poorly suited Slope Sandiness	Poorly suited Slope	Poorly suited Slope	Low
Tn:						
Tryon----------		Well suited	Well suited	Well suited	Well suited	High Wetness
To:						
Tryon----------		Well suited	Well suited	Well suited	Well suited	High Wetness
TwC:						
Tuthill----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
TwD:						
Tuthill----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
VcB:						
Valent----------		Moderately suited Sandiness	Moderately suited Sandiness	Well suited	Well suited	Low
VcD:						
Valent----------		Moderately suited Sandiness	Moderately suited Sandiness Slope	Well suited	Well suited	Low
VcE:						
Valent----------		Moderately suited Sandiness	Poorly suited Slope Sandiness	Poorly suited Slope	Poorly suited Slope	Low
VcF:						
Valent----------		Moderately suited Sandiness	Poorly suited Slope Sandiness	Poorly suited Slope	Poorly suited Slope	Low
Valent----------		Moderately suited Sandiness Slope	Unsuited Slope Sandiness	Unsuited Slope	Unsuited Slope	Low
VcG:						
Valent----------		Moderately suited Sandiness Slope	Unsuited Slope Sandiness	Unsuited Slope	Unsuited Slope	Low
VdD:						
Valent----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
VgD:						
Valent----------		Moderately suited Sandiness	Moderately suited Sandiness Slope	Well suited	Well suited	Low
Els----------		Well suited	Well suited	Well suited	Well suited	Low
VhF:						
Valent----------		Moderately suited Sandiness	Moderately suited Slope Sandiness	Well suited	Well suited	Low
Tryon----------		Well suited	Well suited	Well suited	Well suited	High Wetness
VkB:						
Valentine----------		Moderately suited Sandiness	Moderately suited Sandiness	Well suited	Well suited	Low
VkD:						
Valentine----------		Moderately suited Sandiness	Moderately suited Sandiness Slope	Well suited	Well suited	Low
VkE:						
Valentine----------		Moderately suited	Poorly suited	Poorly suited	Poorly suited	Low

CONSERVATION TREE AND SHRUB MANAGEMENT
Cherry County,
Nebraska

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Map symbol and soil name	Wind break Group	Suitability for hand planting	Suitability for mechanical planting	Suitability for mechanical site preparation (surface)	Suitability for mechanical site preparation (deep)	Potential for seedling mortality
		Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features	Rating class and limiting features
		Sandiness	Slope Sandiness	Slope	Slope	
VkF:						
Valentine----------		Moderately suited Sandiness	Poorly suited Slope Sandiness	Poorly suited Slope	Poorly suited Slope	Low
Valentine----------		Moderately suited Sandiness Slope	Unsuited Slope Sandiness	Unsuited Slope	Unsuited Slope	Low
VkG:						
Valentine----------		Moderately suited Sandiness Slope	Unsuited Slope Sandiness	Unsuited Slope	Unsuited Slope	Low
VmB:						
Valentine----------		Moderately suited Sandiness	Moderately suited Sandiness	Well suited	Well suited	Low
VmD:						
Valentine----------		Moderately suited Sandiness	Moderately suited Sandiness Slope	Well suited	Well suited	Low
VnD:						
Valentine----------		Moderately suited Sandiness	Moderately suited Sandiness Slope	Well suited	Well suited	Low
Duda----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
VnF:						
Valentine----------		Moderately suited Sandiness	Poorly suited Slope Sandiness	Poorly suited Slope	Poorly suited Slope	Low
Duda----------		Well suited	Moderately suited Slope	Well suited	Well suited	Low
VoD:						
Valentine----------		Moderately suited Sandiness	Moderately suited Sandiness Slope	Well suited	Well suited	Low
Els----------		Well suited	Well suited	Well suited	Well suited	Low
VpD:						
Valentine----------		Moderately suited Sandiness	Moderately suited Sandiness Slope	Well suited	Well suited	Low
Libory----------		Well suited	Well suited	Well suited	Well suited	Low
VsD:						
Valentine----------		Moderately suited Sandiness	Moderately suited Sandiness Slope	Well suited	Well suited	Low
Sandose----------		Well suited	Well suited	Well suited	Well suited	Low
VwF:						
Valentine----------		Moderately suited Sandiness	Moderately suited Slope Sandiness	Well suited	Well suited	Low
Tryon----------		Well suited	Well suited	Well suited	Well suited	High Wetness
VyB:						
Vetal----------		Well suited	Well suited	Well suited	Well suited	Low
Vz:						
Vetal----------		Well suited	Well suited	Well suited	Well suited	Low
W:						
Water----------		Not rated	Not rated	Not rated	Not rated	Not rated
WeB:						
Wildhorse----------		Well suited	Well suited	Well suited	Well suited	High Soil reaction Salinity

ENGINEERING INDEX PROPERTIES
Cherry County, Nebraska

Engineering Index Properties table gives the engineering classifications and the range of index properties for the layers of each soil in the survey area. Depth to the upper and lower boundaries of each layer is indicated. Texture is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. Loam, for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is 15 percent or more, an appropriate modifier is added, for example, gravelly. Textural terms are defined in the Glossary.

Classification of the soils is determined according to the Unified soil classification system (ASTM, 1998) and the system adopted by the American Association of State Highway and Transportation Officials (AASHTO, 1998). The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to particle-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of particle-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection. If laboratory data are available, the A-1, A-2, and A-7 groups are further classified as A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-7-5, or A-7-6. As an additional refinement, the suitability of a soil as subgrade material can be indicated by a group index number. Group index numbers range from 0 for the best subgrade material to 20 or higher for the poorest. The AASHTO classification for soils tested, with group index numbers in parentheses, is given in Engineering Index Properties table.

Rock fragments larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage. Percentage (of soil particles) passing designated sieves is the percentage of the soil fraction less than 3 inches in diameter based on an ovendry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field.

Liquid limit and plasticity index (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination. The estimates of particle-size distribution, liquid limit, and plasticity index are generally rounded to the nearest 5 percent. Thus, if the ranges of gradation and Atterberg limits extend a marginal amount (1 or 2 percentage points) across classification boundaries, the classification in the marginal zone is generally omitted in the table.

ENGINEERING INDEX PROPERTIES--Continued
Cherry County, Nebraska

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Ad:												
Almeria--------	0-5	Loamy fine sand	SC-SM, SM	A-2	0	0	100	100	50-75	15-30	15-20	NP-5
	5-60	Stratified sand to fine sandy loam	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	95-100	90-100	50-75	0-30	15-20	NP-5
Ae:												
Almeria--------	0-7	Fine sandy loam	ML, SC, SC-SM, SM	A-4	0	0	100	100	70-100	40-70	15-25	NP-10
	7-60	Stratified sand to fine sandy loam	SC-SM, SM, SP, SP-SM	A-2, A-3, A-4	0	0	90-100	80-100	50-80	0-50	15-20	NP-5
Af:												
Almeria--------	0-3	Slightly decomposed plant material			---	---	---	---	---	---	---	---
	3-6	Fine sandy loam	ML, SC, SC-SM, SM	A-4	0	0	100	100	70-100	40-55	15-25	NP-10
	6-60	Stratified sand to fine sandy loam	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	95-100	90-100	50-75	0-30	15-20	NP-5
AmB:												
Anselmo--------	0-11	Loamy fine sand	SM	A-2	0	0	100	90-100	65-85	15-30	---	NP
	11-30	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	100	100	70-95	35-65	15-25	NP-7
	30-36	Fine sandy loam	SC-SM, SM	A-4	0	0	100	100	70-85	40-50	15-25	NP-7
	36-60	Fine sand	SC-SM, SM	A-2	0	0	100	100	50-80	15-35	15-20	NP-5
AmC:												
Anselmo--------	0-11	Loamy fine sand	SM	A-2	0	0	100	90-100	65-85	15-30	---	NP
	11-30	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	100	100	70-95	35-65	15-25	NP-7
	30-36	Fine sandy loam	SC-SM, SM	A-4	0	0	100	100	70-85	40-50	15-25	NP-7
	36-60	Fine sand	SC-SM, SM	A-2	0	0	100	100	50-80	15-35	15-20	NP-5
An:												
Anselmo--------	0-6	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	100	60-100	30-65	15-25	NP-7
	6-16	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	100	100	70-95	35-65	15-25	NP-7
	16-34	Fine sandy loam	SC-SM, SM	A-4	0	0	100	100	70-85	40-50	15-25	NP-7
	34-60	Fine sand	SC-SM, SM	A-2	0	0	100	100	50-80	15-35	15-20	NP-5
AnC:												
Anselmo--------	0-6	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	100	60-100	30-65	15-25	NP-7
	6-16	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	100	100	70-95	35-65	15-25	NP-7
	16-34	Fine sandy loam	SC-SM, SM	A-4	0	0	100	100	70-85	40-50	15-25	NP-7
	34-60	Fine sand	SC-SM, SM	A-2	0	0	100	100	50-80	15-35	15-20	NP-5
AnD:												
Anselmo--------	0-6	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	100	60-100	30-65	15-25	NP-7
	6-16	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	100	100	70-95	35-65	15-25	NP-7
	16-34	Fine sandy loam	SC-SM, SM	A-4	0	0	100	100	70-85	40-50	15-25	NP-7
	34-60	Fine sand	SC-SM, SM	A-2	0	0	100	100	50-80	15-35	15-20	NP-5
AuF:												
Anselmo--------	0-6	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	100	60-100	30-65	15-25	NP-7
	6-12	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	100	100	70-95	35-65	15-25	NP-7
	12-34	Fine sandy loam	SC-SM, SM	A-4	0	0	100	100	70-85	40-50	15-25	NP-7
	34-60	Fine sand	SC-SM, SM	A-2	0	0	100	100	50-80	15-35	15-20	NP-5
Longpine-------	0-4	Fine sandy loam	ML, SM	A-4	0	0	95-100	90-100	75-100	40-65	0-35	NP-7
	4-12	Gravelly loamy very fine sand	SM	A-1, A-2	0	0-5	55-100	50-75	40-60	10-35	0-25	NP-5
	12-60	Weathered bedrock			---	---	---	---	---	---	---	---
BcG:												
Blownout Land--	0-60	Fine sand	SM, SP, SP-SM	A-3, A-2	0	0	100	100	78-100	2-25	0-20	NP
Valentine------	0-4	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	4-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
Bm:												
Bolent---------	0-5	Loamy fine sand	SC-SM, SM, SP-SM	A-2, A-3	0	0	95-100	90-100	60-80	5-25	15-20	NP-5
	5-60	Stratified fine sandy loam to sand	SC-SM, SM, SP, SP-SM	A-1, A-2, A-3	0	0	95-100	90-100	40-70	3-35	10-20	NP-5
Bn:												
Bolent---------	0-4	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	100	75-100	30-75	15-25	NP-10
	4-60	Stratified fine sandy loam to sand	SC-SM, SM, SP, SP-SM	A-1, A-2, A-3	0	0	95-100	90-100	40-70	3-35	10-20	NP-5

ENGINEERING INDEX PROPERTIES--Continued
Cherry County, Nebraska

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Bp:												
Bolent---------	0-4	Loamy fine sand	SC-SM, SM, SP-SM	A-2, A-3	0	0	95-100	90-100	60-80	5-25	15-20	NP-5
	4-60	Stratified fine sandy loam to sand	SC-SM, SM, SP, SP-SM	A-1, A-2, A-3	0	0	95-100	90-100	40-70	3-35	10-20	NP-5
Inglewood------	0-8	Loamy fine sand	SC-SM, SM	A-2	0	0	100	100	50-80	15-35	15-20	NP-5
	8-28	Fine sand	ML, SC-SM, SM, SP-SM	A-2, A-3, A-4	0	0	100	100	50-85	5-55	15-20	NP-5
	28-60	Stratified fine sand to sand	SC-SM, SM, SP-SM	A-2, A-3	0	0	100	100	50-80	5-35	15-20	NP-5
BsD:												
Busher---------	0-16	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	90-100	80-100	30-60	15-25	NP-5
	16-45	Very fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	90-100	75-100	30-65	15-25	NP-5
	45-60	Weathered bedrock			---	---	---	---	---	---	---	---
BvF:												
Busher---------	0-18	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	90-100	80-100	30-60	15-25	NP-5
	18-42	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	90-100	75-100	30-65	15-25	NP-5
	42-60	Weathered bedrock			---	---	---	---	---	---	---	---
Tassel---------	0-4	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	95-100	90-100	55-100	25-55	15-25	NP-8
	4-15	Gravelly fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	95-100	80-100	65-95	25-60	15-25	NP-8
	15-60	Weathered bedrock			---	---	---	---	---	---	---	---
Cr:												
Crowther-------	0-2	Mucky peat	PT	A-8	---	---	---	---	---	---	---	---
	2-11	Loam	CL	A-4, A-6	0	0	100	100	85-100	65-90	20-40	7-20
	11-26	Loam	CL, ML	A-4, A-6, A-7	0	0	100	100	70-100	50-85	30-50	4-24
	26-60	Loamy sand	SM, SP-SM	A-2, A-3	0	0	100	100	65-85	5-35	0-14	NP
Cs:												
Crowther-------	0-2	Mucky peat	PT	A-8	---	---	---	---	---	---	---	---
	2-11	Loam	CL	A-4, A-6	0	0	100	100	85-100	65-90	20-40	7-20
	11-35	Loam	CL, ML	A-4, A-6, A-7	0	0	100	100	70-100	50-85	30-50	4-24
	35-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	65-85	5-35	---	NP
Cv:												
Cullison-------	0-1	Slightly decomposed plant material			---	---	---	---	---	---	---	---
	1-8	Loam	CL, SC	A-4, A-6	0	0	100	100	85-100	45-85	20-40	7-20
	8-24	Clay loam	CL, SC	A-4, A-6, A-7	0	0	100	100	70-100	40-85	30-50	8-24
	24-60	Clay loam	SC, CL	A-4, A-6, A-7	0	0	100	100	70-100	40-85	30-50	8-24
Cx:												
Cullison-------	0-2	Slightly decomposed plant material			---	---	---	---	---	---	---	---
	2-17	Loam	CL, SC	A-4, A-6	0	0	100	100	85-100	45-85	20-40	7-20
	17-27	Clay loam	CL, SC	A-4, A-6, A-7	0	0	100	100	70-100	45-85	30-50	8-24
	27-60	Loam	CL, SC	A-4, A-6, A-7	0	0	100	100	70-100	45-85	30-50	8-24
Cy:												
Cutcomb--------	0-14	Mucky peat	PT	A-8	0	0	---	---	---	---	---	---
	14-52	Mucky peat	PT	A-8	0	0	---	---	---	---	---	---
	52-60	Muck	PT	A-8	0	0	---	---	---	---	---	---
DaB:												
Dailey---------	0-17	Loamy fine sand	SM	A-2, A-4	0	0	100	100	70-95	20-40	0-20	NP
	17-60	Loamy fine sand	SM, SP-SM	A-2, A-3	0	0	100	95-100	75-95	5-35	0-20	NP
DaD:												
Dailey---------	0-12	Loamy fine sand	SM	A-2, A-4	0	0	100	100	70-95	20-40	0-20	NP
	12-60	Loamy fine sand	SM, SP-SM	A-2, A-3	0	0	100	95-100	75-95	5-35	0-20	NP
DfB:												
Doughboy-------	0-14	Loamy fine sand	SM, SP-SM	A-2	0	0	100	100	75-100	5-20	15-20	NP-5
	14-37	Fine sandy loam	ML, SC, CL, SM	A-2, A-4	0	0	100	100	60-96	30-80	15-28	NP-9
	37-60	Loamy fine sand	ML, SC, CL, SM	A-2, A-4	0	0	100	100	60-96	30-80	15-28	NP-9
Dg:												
Doughboy-------	0-19	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	100	55-100	30-70	15-25	NP-7
	19-38	Fine sandy loam	ML, SC, CL, SM	A-2, A-4	0	0	100	100	60-96	30-80	15-28	NP-9
	38-60	Loam	ML, SC, CL, SM	A-2, A-4	0	0	100	100	60-96	30-80	15-28	NP-9
DtB:												
Duda----------	0-6	Loamy fine sand	SC-SM, SM	A-2	0	0	100	100	50-75	15-40	15-25	NP-5
	6-25	Loamy fine sand	SC-SM, SM	A-1, A-2	0	0	100	100	45-75	15-35	15-25	NP-5
	25-60	Weathered bedrock			---	---	---	---	---	---	---	---
Fishberry------	0-5	Loamy fine sand	SM	A-2	0	0	85-100	75-100	50-95	15-30	---	NP
	5-16	Gravelly loamy fine sand	SM, SP, SP-SM	A-1, A-2, A-3	0-5	0-10	55-80	50-80	30-65	2-15	---	NP
	16-60	Unweathered bedrock			---	---	---	---	---	---	---	---

ENGINEERING INDEX PROPERTIES--Continued
Cherry County, Nebraska

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
DuB:												
Dunday---------	0-18	Loamy fine sand	SM	A-2	0	0	100	100	90-100	13-35	15-20	NP-5
	18-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-95	5-35	10-20	NP-5
DuD:												
Dunday---------	0-18	Loamy fine sand	SM	A-2	0	0	100	100	90-100	13-35	15-20	NP-5
	18-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-95	5-35	10-20	NP-5
Ec:												
Els----------	0-6	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	70-100	5-35	---	NP
	6-35	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	90-100	90-100	70-100	4-30	---	NP
	35-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	90-100	90-100	70-100	4-30	---	NP
EfB:												
Els----------	0-5	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	70-100	5-35	---	NP
	5-42	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	90-100	90-100	70-100	4-30	---	NP
	42-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	90-100	90-100	70-100	4-30	---	NP
Ipage----------	0-4	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-100	5-30	---	NP
	4-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	95-100	50-100	2-30	---	NP
Eh:												
Els----------	0-6	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	70-100	5-35	---	NP
	6-18	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	90-100	90-100	70-100	4-30	---	NP
	18-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	90-100	90-100	70-100	4-30	---	NP
Tryon----------	0-4	Loamy fine sand	SM, SP-SM	A-2	0	0	100	100	85-100	10-30	10-20	NP-5
	4-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	51-95	3-30	5-15	NP-5
Em:												
Els----------	0-9	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	70-100	5-30	10-20	NP-5
	9-37	Fine sand	SM, SP-SM	A-2, A-3	0	0	95-100	95-100	70-100	5-35	10-20	NP-5
	37-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	95-100	95-100	70-100	5-35	10-20	NP-5
Hoffland-------	0-1	Slightly decomposed plant material			---	---	---	---	---	---	---	---
	1-10	Fine sandy loam	SC-SM, CL, CL-ML, SC	A-4	0	0	100	100	70-95	40-55	15-25	4-10
	10-33	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	51-90	5-35	10-20	NP-5
	33-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	51-90	5-35	10-20	NP-5
En:												
Els, Calcareous	0-5	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	70-100	5-30	10-20	NP-5
	5-40	Fine sand	SM, SP-SM	A-2, A-3	0	0	95-100	95-100	70-100	5-35	10-20	NP-5
	40-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	95-100	95-100	70-100	5-35	10-20	NP-5
Selia----------	0-6	Fine sand	SM, SP-SM	A-2	0	0	100	100	60-80	10-35	10-20	NP-5
	6-14	Loamy fine sand	SM	A-2, A-4	0	0	100	100	50-85	15-40	10-20	NP-5
	14-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-75	5-35	10-20	NP-5
Es:												
Elsmere--------	0-8	Loamy fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	70-100	5-35	10-20	NP-5
	8-15	Loamy fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-100	5-30	5-15	NP-5
	15-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-100	5-30	5-15	NP-5
Et:												
Elsmere--------	0-8	Loamy fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	70-100	5-35	10-20	NP-5
	8-14	Loamy fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-100	5-30	10-20	NP-5
	14-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-100	5-30	10-20	NP-5
Ew:												
Elsmere--------	0-16	Loamy fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	70-100	5-35	10-20	NP-5
	16-27	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-100	5-30	5-15	NP-5
	27-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-100	5-30	5-15	NP-5
Loup----------	0-7	Fine sandy loam	SC-SM, SM	A-2, A-4	0	0	100	100	70-95	20-50	15-25	NP-6
	7-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	95-100	95-100	65-100	5-20	10-20	NP-5
FbC:												
Fishberry------	0-4	Fine sandy loam	CL-ML, ML, SM	A-2, A-4	0	0	85-100	75-100	65-100	30-55	15-20	NP-5
	4-15	Gravelly loamy fine sand	SM, SP, SP-SM	A-1, A-2, A-3	0-5	0-10	55-80	50-80	30-65	2-15	---	NP
	15-60	Unweathered bedrock			---	---	---	---	---	---	---	---
FcF:												
Fishberry------	0-5	Loamy fine sand	SM	A-2	0	0	85-100	75-100	50-95	15-30	---	NP
	5-12	Gravelly loamy fine sand	SM, SP, SP-SM	A-1, A-2, A-3	0-5	0-10	55-80	50-80	30-65	2-15	---	NP
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Duda----------	0-4	Loamy fine sand	SC-SM, SM	A-2	0	0	100	100	50-75	15-40	15-25	NP-5
	4-24	Loamy fine sand	SC-SM, SM	A-1, A-2	0	0	100	100	45-75	15-35	15-25	NP-5
	24-60	Weathered bedrock			---	---	---	---	---	---	---	---
FdG:												
Fishberry------	0-5	Loamy fine sand	SM	A-2	0	0	85-100	75-100	50-95	15-30	---	NP
	5-12	Gravelly loamy fine sand	SM, SP, SP-SM	A-1, A-2, A-3	0-5	0-10	55-80	50-80	30-65	2-15	---	NP
	12-60	Unweathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop---	0-60	Unweathered bedrock			---	---	---	---	---	---	0-14	---
Fe:												
Fluvaquents, Sandy---------	0-2	Slightly decomposed plant material			---	---	---	---	---	---	---	---
	2-60	Sand	SM, SP-SM	A-2, A-3, A-4	0	0	100	100	50-70	5-40	15-25	NP-5
Ga:												
Gannett--------	0-10	Loam	CL, CL-ML, ML	A-4, A-6	0	0	100	100	80-100	40-80	20-40	5-20
	10-22	Loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	100	95-100	30-65	15-35	NP-15
	22-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	90-100	5-15	10-18	NP-4

ENGINEERING INDEX PROPERTIES--Continued
Cherry County, Nebraska

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Gb:												
Gannett--------	0-2	Mucky peat	PT	A-8	---	---	---	---	---	---	---	---
	2-10	Loam	CL, CL-ML, ML	A-4, A-6	0	0	100	100	80-100	40-80	20-40	5-20
	10-32	Loam	CL, ML, SC, SM	A-2, A-4, A-6	0	0	100	100	95-100	30-65	15-35	NP-15
	32-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	90-100	5-15	15-20	NP
Gc:												
Gus----------	0-1	Slightly decomposed plant material			---	---	---	---	---	---	---	---
	1-6	Clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	80-100	40-80	20-40	5-25
	6-28	Sandy clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	80-100	40-80	20-40	5-25
	28-60	Sandy clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	80-100	40-80	20-40	5-25
Gf:												
Gus----------	0-3	Clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	80-100	40-80	20-40	5-25
	3-34	Loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	80-100	40-80	20-40	5-25
	34-60	Loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	80-100	40-80	20-40	5-25
He:												
Hennings-------	0-7	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	100	80-100	40-75	20-35	NP-15
	7-27	Sandy clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	80-100	45-80	20-40	5-25
	27-36	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	100	80-95	45-80	20-35	NP-15
	36-55	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	90-100	65-95	20-65	0-30	NP-10
	55-60	Weathered bedrock			---	---	---	---	---	---	---	---
HeC:												
Hennings-------	0-7	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	100	80-100	40-75	20-35	NP-15
	7-27	Sandy clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	80-100	45-80	20-40	5-25
	27-36	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	100	80-95	45-80	20-35	NP-15
	36-55	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	90-100	65-95	20-65	0-30	NP-10
	55-60	Weathered bedrock			---	---	---	---	---	---	---	---
HeD:												
Hennings-------	0-7	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	100	80-100	40-75	20-35	NP-15
	7-27	Sandy clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	80-100	45-80	20-40	5-25
	27-36	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	100	80-95	45-80	20-35	NP-15
	36-55	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	90-100	65-95	20-65	0-30	NP-10
	55-60	Weathered bedrock			---	---	---	---	---	---	---	---
HgE:												
Hennings-------	0-8	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	100	80-100	40-75	20-35	NP-15
	8-22	Sandy clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	80-100	45-80	20-40	5-25
	22-26	Loam	CL, ML, SC, SM	A-4, A-6	0	0	100	100	80-95	45-80	20-35	NP-15
	26-42	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	90-100	65-95	20-65	0-30	NP-10
	42-60	Weathered bedrock			---	---	---	---	---	---	---	---
Anselmo--------	0-10	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	100	60-100	30-65	15-25	NP-7
	10-18	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	100	100	70-95	35-65	15-25	NP-7
	18-26	Fine sandy loam	SC-SM, SM	A-4	0	0	100	100	70-85	40-50	15-25	NP-7
	26-60	Fine sandy loam	SC-SM, SM	A-2	0	0	100	100	50-80	15-35	15-20	NP-5
Hr:												
Hoffland-------	0-9	Fine sandy loam	CL, CL-ML, SC, SC-SM	A-4	0	0	100	100	70-95	40-55	15-25	4-10
	9-30	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	51-90	5-35	10-20	NP-5
	30-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	51-90	5-35	10-20	NP-5
Hs:												
Hoffland-------	0-2	Slightly decomposed plant material			---	---	---	---	---	---	---	---
	2-11	Fine sandy loam	CL, CL-ML, SC, SC-SM	A-4	0	0	100	100	70-95	40-55	15-25	4-10
	11-22	Loamy fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	51-90	5-35	10-20	NP-5
	22-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	51-90	5-35	10-20	NP-5
Ht:												
Holt----------	0-16	Fine sandy loam	SC-SM, SM	A-4	0	0	100	95-100	90-100	35-50	15-30	NP-7
	16-27	Fine sandy loam	SM	A-4	0	0	90-100	90-100	70-100	35-50	20-35	NP-10
	27-36	Fine sandy loam	SM	A-2, A-4	0	0	90-100	90-100	70-100	25-45	20-35	NP-10
	36-60	Weathered bedrock			---	---	---	---	---	---	---	---

ENGINEERING INDEX PROPERTIES--Continued
Cherry County, Nebraska

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
HuC:												
Holt----------	0-10	Fine sandy loam	SC-SM, SM	A-4	0	0	100	95-100	90-100	35-50	15-30	NP-7
	10-21	Fine sandy loam	SM	A-4	0	0	90-100	90-100	70-100	35-50	20-35	NP-10
	21-30	Loamy fine sand	SM	A-2, A-4	0	0	90-100	90-100	70-100	25-45	20-35	NP-10
	30-60	Weathered bedrock			---	---	---	---	---	---	---	---
Longpine-------	0-5	Fine sandy loam	ML, SM	A-4	0	0	95-100	90-100	75-100	40-65	0-35	NP-7
	5-16	Gravelly fine sandy loam	SM	A-1, A-2	0	0-5	55-100	50-75	40-60	10-35	0-25	NP-5
	16-60	Weathered bedrock			---	---	---	---	---	---	---	---
HuD:												
Holt----------	0-7	Fine sandy loam	SC-SM, SM	A-4	0	0	100	95-100	90-100	35-50	15-30	NP-7
	7-19	Fine sandy loam	SM	A-4	0	0	90-100	90-100	70-100	35-50	20-35	NP-10
	19-30	Fine sandy loam	SM	A-2, A-4	0	0	90-100	90-100	70-100	25-45	20-35	NP-10
	30-60	Weathered bedrock			---	---	---	---	---	---	---	---
Longpine-------	0-7	Fine sandy loam	ML, SM	A-4	0	0	95-100	90-100	75-100	40-65	0-35	NP-7
	7-13	Gravelly fine sandy loam	SM	A-1, A-2	0	0-5	55-100	50-75	40-60	10-35	0-25	NP-5
	13-60	Weathered bedrock			---	---	---	---	---	---	---	---
HyC:												
Holt----------	0-7	Fine sandy loam	SC-SM, SM	A-4	0	0	100	95-100	90-100	35-50	15-30	NP-7
	7-20	Fine sandy loam	SM	A-4	0	0	90-100	90-100	70-100	35-50	20-35	NP-10
	20-27	Fine sandy loam	SM	A-2, A-4	0	0	90-100	90-100	70-100	25-45	20-35	NP-10
	27-60	Weathered bedrock			---	---	---	---	---	---	---	---
Vetal----------	0-6	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	95-100	60-100	30-55	20-30	NP-10
	6-40	Fine sandy loam	SC-SM, SM, CL-ML, ML	A-2, A-4	0	0	100	95-100	60-100	30-65	20-30	NP-10
	40-50	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	90-100	60-100	30-65	20-30	NP-10
	50-60	Loamy fine sand	SC-SM, SM	A-2	0	0	100	90-100	85-100	15-35	15-25	NP-5
Ic:												
Calamus--------	0-4	Fine sand	SC-SM, SM, SP-SM	A-2, A-3	0	0	100	100	50-80	5-35	15-20	NP-5
	4-30	Fine sand	ML, SC-SM, SM, SP-SM	A-2, A-3, A-4	0	0	100	100	50-85	5-55	15-20	NP-5
	30-60	Stratified sand to loamy fine sand	SC-SM, SM, SP-SM	A-2, A-3	0	0	100	100	50-80	5-35	15-20	NP-5
Id:												
Calamus--------	0-9	Loamy fine sand	SC-SM, SM	A-2	0	0	100	100	50-80	15-35	15-20	NP-5
	9-38	Fine sand	ML, SC-SM, SM, SP-SM	A-2, A-3, A-4	0	0	100	100	50-85	5-55	15-20	NP-5
	38-60	Stratified fine sand to sand	SC-SM, SM, SP-SM	A-2, A-3	0	0	100	100	50-80	5-35	15-20	NP-5
IgB:												
Ipage----------	0-9	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-100	5-30	---	NP
	9-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	95-100	50-100	2-30	---	NP
IhB:												
Ipage----------	0-8	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-100	5-30	---	NP
	8-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	95-100	50-100	2-30	---	NP
IpB:												
Ipage----------	0-11	Loamy fine sand	SM, SP-SM	A-2	0	0	100	100	50-90	10-35	---	NP
	11-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	95-100	50-100	2-30	---	NP
ItB:												
Ipage----------	0-8	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-100	5-30	---	NP
	8-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	95-100	50-100	2-30	---	NP
Tryon----------	0-6	Loamy fine sand	SM, SP-SM	A-2	0	0	100	100	85-100	10-30	10-20	NP-5
	6-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	51-95	3-30	5-15	NP-5
Jn:												
Jansen---------	0-6	Fine sandy loam	ML, SM	A-4	0	0	95-100	90-100	80-100	40-55	20-30	NP-6
	6-35	Loam	CL	A-6, A-7	0	0	95-100	90-100	80-100	50-80	30-45	10-25
	35-60	Gravelly coarse sand	SP, SP-SM, SW, SW-SM	A-1, A-2, A-3	0	0	85-100	45-100	35-65	3-10	0-10	NP-5
Ke:												
Keya----------	0-22	Loam	CL, ML	A-4, A-6	0	0	100	90-100	85-100	60-75	30-40	5-15
	22-42	Clay loam	CL	A-6, A-7	0	0	100	95-100	85-100	60-80	30-45	10-20
	42-60	Loam	CL, ML, SC, SM	A-4, A-6	0	0	100	95-100	70-85	40-80	25-40	3-15
LfB:												
Libory---------	0-10	Loamy fine sand	SM	A-2, A-4	0	0	100	100	65-85	15-45	10-20	NP-5
	10-22	Fine sand	SM, SP-SM	A-2	0	0	100	100	55-80	12-35	10-20	NP-5
	22-60	Very fine sandy loam	CL-ML, CL	A-4, A-6	0	0	100	100	85-100	60-95	20-40	4-24
Lh:												
Lodgepole------	0-6	Silt loam	CL, CL-ML, ML	A-4, A-6	0	0	100	100	90-100	70-95	20-40	3-20
	6-41	Silty clay	CH	A-7	0	0	100	100	90-100	85-95	50-65	25-40
	41-60	Silt loam	CL, CL-ML, ML	A-4	0	0	100	100	90-100	60-90	20-35	3-10
Lo:												
Loup----------	0-8	Fine sandy loam	SC-SM, SM	A-2, A-4	0	0	100	100	70-95	20-50	15-25	NP-6
	8-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	95-100	95-100	65-100	5-20	10-20	NP-5

ENGINEERING INDEX PROPERTIES--Continued
Cherry County, Nebraska

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Lp:												
Loup----------	0-3	Slightly decomposed plant material			---	---	---	---	---	---	---	---
	3-14	Fine sandy loam	SC-SM, SM	A-2, A-4	0	0	100	100	70-95	20-50	15-25	NP-6
	14-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	65-100	5-20	10-20	NP-5
Ma:												
Marlake--------	0-2	Muck	PT	A-8	---	---	---	---	---	---	---	---
	2-9	Fine sandy loam	ML, SM	A-4	0	0	100	100	70-95	40-55	15-35	NP-10
	9-16	Loamy fine sand	SM, SP-SM	A-2, A-3, A-4	0	0	100	100	50-85	5-50	---	NP
	16-60	Sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-80	5-35	---	NP
McB:												
Mckelvie-------	0-6	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	100	95-100	65-100	15-40	15-20	NP-5
	6-36	Fine sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
	36-60	Sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
McD:												
Mckelvie-------	0-6	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	100	95-100	65-100	15-40	15-20	NP-5
	6-36	Fine sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
	36-60	Sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
McF:												
Mckelvie-------	0-6	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	100	95-100	65-100	15-40	15-20	NP-5
	6-36	Fine sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
	36-60	Sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
MdF:												
Mckelvie-------	0-6	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	100	95-100	65-100	15-40	15-20	NP-5
	6-36	Fine sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
	36-60	Sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
Fishberry------	0-5	Loamy fine sand	SM	A-2	0	0	85-100	75-100	50-95	15-30	---	NP
	5-16	Gravelly loamy fine sand	SM, SP, SP-SM	A-1, A-2, A-3	0-5	0-10	55-80	50-80	30-65	2-15	---	NP
	16-60	Unweathered bedrock			---	---	---	---	---	---	---	---
MeG:												
Mckelvie-------	0-6	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	100	95-100	65-100	15-40	15-20	NP-5
	6-36	Fine sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
	36-60	Sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
Fishberry------	0-5	Loamy fine sand	SM	A-2	0	0	85-100	75-100	50-95	15-30	---	NP
	5-15	Gravelly loamy fine sand	SP-SM, SM, SP	A-1, A-2, A-3	0-5	0-10	55-80	50-80	30-65	2-15	---	NP
	15-60	Unweathered bedrock			---	---	---	---	---	---	---	---
MfG:												
Mckelvie-------	0-6	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	100	95-100	65-100	15-40	15-20	NP-5
	6-36	Fine sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
	36-60	Sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
Rock Outcrop---	0-60	Unweathered bedrock			---	---	---	---	---	---	0-14	---
MgG:												
Mckelvie-------	0-6	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	95-100	60-95	3-20	15-20	NP-5
	6-36	Fine sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
	36-60	Fine sand	SC-SM, SM, SP, SP-SM	A-2, A-3	0	0	85-100	80-100	50-95	3-35	15-20	NP-5
Ustorthents----	0-11	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	100	95-100	65-100	15-40	0-20	NP-5
	11-60	Very fine sandy loam	CL, CL-ML, ML, SM	A-4, A-6	0	0	100	100	95-100	30-65	0-25	NP-15
MxB:												
Meadin---------	0-5	Loamy sand	SM	A-1, A-2, A-4	0	0	85-100	75-95	40-80	15-50	---	NP
	5-14	Loamy sand	GM, GP-GM, SM, SP-SM	A-2, A-3	0	0	50-90	50-90	50-65	5-35	---	NP
	14-60	Gravelly coarse sand	GP, GP-GM, SP, SP-SM	A-1	0	0	40-80	30-70	15-50	1-10	---	NP
MxF:												
Meadin---------	0-6	Loamy sand	SM	A-1, A-2, A-4	0	0	85-100	75-95	40-80	15-50	---	NP
	6-11	Sand	GM, GP-GM, SM, SP-SM	A-2, A-3	0	0	50-90	50-90	50-65	5-35	---	NP
	11-60	Gravelly coarse sand	GP, GP-GM, SP, SP-SM	A-1	0	0	40-80	30-70	15-50	1-10	---	NP
Mz:												
Medihemists----	0-8	Mucky peat	PT	A-8	0	0	---	---	---	---	---	NP
	8-27	Mucky peat	PT	A-8	0	0	---	---	---	---	---	NP
	27-36	Fine sand	SM, SP-SM, PT	A-2, A-3, A-8	0	0	100	100	50-95	5-30	---	NP
	36-60	Muck	PT	A-8	0	0	---	---	---	---	---	NP

ENGINEERING INDEX PROPERTIES--Continued
Cherry County, Nebraska

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
NeB:												
Nenzel---------	0-18	Loamy fine sand	SM, SP-SM	A-2, A-4	0	0	100	100	70-100	10-40	0-14	NP
	18-33	Loamy fine sand	SM, SP, SP-SM	A-2, A-3, A-4	0	0	100	100	70-100	2-40	0-14	NP
	33-60	Fine sand	SM, SP, SP-SM	A-2, A-3, A-4	0	0	100	100	65-100	2-40	0-14	NP
NfB:												
Nenzel---------	0-14	Loamy fine sand	SM, SP-SM	A-2, A-4	0	0	100	100	70-100	10-40	0-14	NP
	14-21	Loamy fine sand	SM, SP, SP-SM	A-2, A-3, A-4	0	0	100	100	65-100	2-40	0-14	NP
	21-60	Fine sand	SM, SP, SP-SM	A-2, A-3, A-4	0	0	100	100	65-100	2-40	0-14	NP
Or:												
Ord----------	0-14	Loam	ML	A-4	0	0	100	100	95-100	95-100	25-35	2-8
	14-34	Fine sandy loam	ML, SM	A-2, A-4	0	0	95-100	95-100	70-100	30-85	20-35	NP-10
	34-60	Fine sand	SC-SM, SM, SP-SM	A-2, A-3	0	0	95-100	95-100	50-100	5-30	15-20	NP-5
OsD:												
Orpha----------	0-5	Loamy fine sand	SM	A-2, A-4	0	0	100	95-100	65-100	15-40	10-20	NP-5
	5-44	Fine sand	SM	A-2	0	0	100	75-100	70-90	5-35	10-20	NP-5
	44-60	Fine sand	SM	A-2	0	0	100	75-100	75-85	5-30	10-20	NP-5
OtF:												
Orpha----------	0-8	Loamy fine sand	SM	A-2, A-4	0	0	100	95-100	65-100	15-40	10-20	NP-5
	8-14	Loamy fine sand	SM	A-2	0	0	100	75-100	70-90	5-35	10-20	NP-5
	14-60	Sand	SM	A-2	0	0	100	75-100	75-85	5-30	10-20	NP-5
Niobrara-------	0-6	Loamy fine sand	SM	A-2	0	0	85-100	85-100	65-95	15-30	---	NP
	6-13	Fine sand	SM, SP-SM	A-2, A-3	0	0	80-100	75-95	75-95	5-30	---	NP
	13-60	Unweathered bedrock			---	---	---	---	---	---	---	---
OxG:												
Orpha----------	0-6	Loamy fine sand	SM	A-2, A-4	0	0	100	95-100	65-100	15-40	10-20	NP-5
	6-26	Fine sand	SM	A-2	0	0	100	75-100	70-90	5-35	10-20	NP-5
	26-60	Sand	SM	A-2	0	0	100	75-100	75-85	5-30	10-20	NP-5
Rock Outcrop---	0-60	Unweathered bedrock			---	---	---	---	---	---	0-14	---
PtB:												
Pivot----------	0-5	Loamy fine sand	SM, SP-SM	A-2	0	0	100	100	50-90	10-35	15-20	NP-5
	5-11	Loamy fine sand	SM, SP-SM, SW-SM	A-2, A-3	0	0	100	95-100	50-85	5-30	10-20	NP-5
	11-28	Fine sand	SM, SP, SP-SM, SW-SM	A-2, A-3	0	0	95-100	95-100	50-70	3-15	10-20	NP-5
	28-60	Gravelly coarse sand	GP, GP-GM, SP, SP-SM	A-1, A-2, A-3	0	0	50-100	50-90	20-54	2-12	10-20	NP-5
SfB:												
Sandose--------	0-10	Loamy fine sand	SC-SM, SM	A-2	0	0	100	100	70-100	15-35	15-20	NP-5
	10-32	Loamy fine sand	SC-SM, SM, SP-SM	A-2, A-3	0	0	100	100	65-85	5-35	15-20	NP-5
	32-48	Sandy clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6, A-7	0	0	100	100	80-100	45-80	20-45	5-20
	48-60	Loam	CL, ML, SC, SM	A-4	0	0	100	95-100	70-95	40-75	15-25	NP-10
ShB:												
Sandose--------	0-16	Loamy fine sand	SC-SM, SM	A-2	0	0	100	100	70-100	15-35	15-20	NP-5
	16-30	Loamy fine sand	SC-SM, SM, SP-SM	A-2, A-3	0	0	100	100	65-85	5-35	15-20	NP-5
	30-48	Loam	CL, CL-ML, SC, SC-SM	A-4, A-6, A-7	0	0	100	100	80-100	45-80	20-45	5-20
	48-60	Loam	CL, ML, SC, SM	A-4	0	0	100	95-100	70-95	40-75	15-25	NP-10
Hennings-------	0-17	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	100	100	70-100	15-40	0-20	NP-5
	17-29	Sandy clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	80-100	45-80	20-40	5-25
	29-35	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	100	80-95	45-80	20-35	NP-15
	35-55	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	90-100	65-95	20-65	0-30	NP-10
	55-60	Weathered bedrock			---	---	---	---	---	---	---	---
ShC:												
Sandose--------	0-16	Loamy fine sand	SC-SM, SM	A-2	0	0	100	100	70-100	15-35	15-20	NP-5
	16-30	Loamy fine sand	SC-SM, SM, SP-SM	A-2, A-3	0	0	100	100	65-85	5-35	15-20	NP-5
	30-48	Loam	CL, CL-ML, SC, SC-SM	A-4, A-6, A-7	0	0	100	100	80-100	45-80	20-45	5-20
	48-60	Loam	CL, ML, SC, SM	A-4	0	0	100	95-100	70-95	40-75	15-25	NP-10
Hennings-------	0-17	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	100	100	70-100	15-40	0-20	NP-5
	17-29	Sandy clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	80-100	45-80	20-40	5-25
	29-35	Loam	CL, ML, SC, SM	A-4, A-6	0	0	100	100	80-95	45-80	20-35	NP-15
	35-55	Very fine sandy loam	SC-SM, SM	A-2, A-4	0	0	95-100	90-100	65-95	20-65	0-30	NP-10
	55-60	Weathered bedrock			---	---	---	---	---	---	---	---

ENGINEERING INDEX PROPERTIES--Continued
Cherry County, Nebraska

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
ShD:												
Sandose--------	0-16	Loamy fine sand	SC-SM, SM	A-2	0	0	100	100	70-100	15-35	15-20	NP-5
	16-30	Loamy fine sand	SC-SM, SM, SP-SM	A-2, A-3	0	0	100	100	65-85	5-35	15-20	NP-5
	30-48	Loam	CL, CL-ML, SC, SC-SM	A-4, A-6, A-7	0	0	100	100	80-100	45-80	20-45	5-20
	48-60	Very fine sandy loam	CL, ML, SC, SM	A-4	0	0	100	95-100	70-95	40-75	15-25	NP-10
Hennings-------	0-17	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	100	100	70-100	15-40	0-20	NP-5
	17-29	Sandy clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	80-100	45-80	20-40	5-25
	29-35	Fine sandy loam	CL, ML, SC, SM	A-4, A-6	0	0	100	100	80-95	45-80	20-35	NP-15
	35-55	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	95-100	90-100	65-95	20-65	0-30	NP-10
	55-60	Weathered bedrock			---	---	---	---	---	---	---	---
SnB:												
Satanta--------	0-10	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-4	0	0	100	95-100	70-85	40-55	0-25	NP-5
	10-24	Clay loam	SC, CL	A-6, A-7	0	0	100	95-100	75-100	45-75	30-45	10-20
	24-50	Very fine sandy loam	ML, SM	A-4	0	0	100	95-100	70-95	40-60	20-30	NP-5
	50-60	Loamy fine sand	SM	A-1-b, A-2-4	0	0	100	90-100	45-75	15-30	0-25	NP
SoB:												
Simeon---------	0-5	Sand	SM, SP-SM	A-2, A-3	0	0	95-100	90-100	51-95	5-20	10-20	NP-5
	5-60	Sand	SM, SP, SP-SM	A-1, A-2, A-3	0	0	90-100	80-100	35-95	0-30	10-20	NP-5
SvD:												
Simeon---------	0-5	Sand	SM, SP-SM	A-2, A-3	0	0	95-100	90-100	51-95	5-20	10-20	NP-5
	5-60	Sand	SM, SP, SP-SM	A-1, A-2, A-3	0	0	90-100	80-100	35-95	0-30	10-20	NP-5
Valentine------	0-5	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	5-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
SvF:												
Simeon---------	0-6	Sand	SM, SP-SM	A-2, A-3	0	0	95-100	90-100	51-95	5-20	10-20	NP-5
	6-60	Sand	SM, SP, SP-SM	A-1, A-2, A-3	0	0	90-100	80-100	35-95	0-30	10-20	NP-5
Valentine------	0-6	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	6-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
Tn:												
Tryon----------	0-4	Fine sandy loam	SC-SM, SM	A-2, A-4	0	0	100	100	70-100	30-45	15-25	NP-6
	4-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	51-95	3-30	5-15	NP-5
To:												
Tryon----------	0-2	Mucky peat	PT	A-8	---	---	---	---	---	---	---	---
	2-7	Fine sandy loam	SC-SM, SM	A-2, A-4	0	0	100	100	70-100	30-45	15-25	NP-6
	7-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-90	5-30	5-15	NP-5
TwC:												
Tuthill--------	0-8	Fine sandy loam	SM	A-2, A-4	0	0	100	100	85-100	30-50	20-35	NP-10
	8-23	Clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	70-100	35-70	25-40	5-15
	23-50	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	100	95-100	60-100	30-45	15-25	NP-5
	50-60	Fine sand	SC-SM, SM, SP-SM	A-2	0	0	100	95-100	50-100	10-30	15-25	NP-5
TwD:												
Tuthill--------	0-8	Fine sandy loam	SM	A-2, A-4	0	0	100	100	85-100	30-50	20-35	NP-10
	8-23	Clay loam	CL, CL-ML, SC, SC-SM	A-4, A-6	0	0	100	100	70-100	35-70	25-40	5-15
	23-50	Loamy fine sand	SC-SM, SM	A-2, A-4	0	0	100	95-100	60-100	30-45	15-25	NP-5
	50-60	Loamy fine sand	SC-SM, SM, SP-SM	A-2	0	0	100	95-100	50-100	10-30	15-25	NP-5
VcB:												
Valent---------	0-5	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-70	5-20	---	NP
	5-60	Fine sand	SM, SP-SM	A-2	0	0	100	95-100	75-90	10-30	---	NP
VcD:												
Valent---------	0-6	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-70	5-20	---	NP
	6-60	Fine sand	SM, SP-SM	A-2	0	0	100	95-100	75-90	10-30	---	NP
VcE:												
Valent---------	0-5	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-70	5-20	---	NP
	5-60	Fine sand	SM, SP-SM	A-2	0	0	100	95-100	75-90	10-30	---	NP
VcF:												
Valent---------	0-5	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-70	5-20	---	NP
	5-60	Fine sand	SM, SP-SM	A-2	0	0	100	95-100	75-90	10-30	---	NP
Valent---------	0-4	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-70	5-20	---	NP
	4-40	Fine sand	SM, SP-SM	A-2	0	0	100	95-100	75-90	10-30	---	NP
	40-60	Fine sand	SP, SP-SM	A-3	0	0	100	95-100	60-70	0-10	---	NP
VcG:												
Valent---------	0-4	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-70	5-20	---	NP
	4-60	Fine sand	SM, SP-SM	A-2	0	0	100	95-100	75-90	10-30	---	NP
VdD:												
Valent---------	0-6	Loamy fine sand	SM, SP-SM	A-2	0	0	100	100	70-95	10-30	15-25	NP-5
	6-60	Fine sand	SM, SP-SM	A-2	0	0	100	95-100	75-90	10-30	---	NP
VgD:												
Valent---------	0-4	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-70	5-20	---	NP
	4-60	Fine sand	SP-SM, SM	A-2	0	0	100	95-100	75-90	10-30	---	NP
Els----------	0-8	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	70-100	5-35	---	NP
	8-17	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	90-100	90-100	70-100	4-30	---	NP
	17-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	90-100	90-100	70-100	4-30	---	NP

ENGINEERING INDEX PROPERTIES--Continued
Cherry County, Nebraska

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
VhF:												
Valent---------	0-3	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-70	5-20	---	NP
	3-60	Fine sand	SM, SP-SM	A-2	0	0	100	95-100	75-90	10-30	---	NP
Tryon----------	0-8	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-100	5-30	10-20	NP-5
	8-19	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-90	5-30	5-15	NP-5
	19-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	51-90	5-30	5-15	NP-5
VkB:												
Valentine------	0-5	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	5-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
VkD:												
Valentine------	0-5	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	5-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
VkE:												
Valentine------	0-5	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	5-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
VkF:												
Valentine------	0-5	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	5-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
Valentine------	0-4	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	4-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
VkG:												
Valentine------	0-4	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	4-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
VmB:												
Valentine------	0-8	Loamy fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	95-100	2-35	15-20	NP-5
	8-60	Loamy fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
VmD:												
Valentine------	0-8	Loamy fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	95-100	2-35	15-20	NP-5
	8-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
VnD:												
Valentine------	0-8	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	8-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
Duda----------	0-8	Loamy fine sand	SC-SM, SM	A-2	0	0	100	100	50-75	15-40	15-25	NP-5
	8-36	Loamy fine sand	SC-SM, SM	A-1, A-2	0	0	100	100	45-75	15-35	15-25	NP-5
	36-60	Weathered bedrock			---	---	---	---	---	---	---	---
VnF:												
Valentine------	0-5	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	5-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
Duda----------	0-8	Loamy fine sand	SC-SM, SM	A-2	0	0	100	100	50-75	15-40	15-25	NP-5
	8-27	Fine sand	SC-SM, SM	A-1, A-2	0	0	100	100	45-75	15-35	15-25	NP-5
	27-60	Weathered bedrock			---	---	---	---	---	---	---	---
VoD:												
Valentine------	0-8	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	8-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
Els----------	0-6	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	70-100	5-35	---	NP
	6-16	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	90-100	90-100	70-100	4-30	---	NP
	16-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	90-100	90-100	70-100	4-30	---	NP
VpD:												
Valentine------	0-4	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	4-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
Libory---------	0-10	Loamy fine sand	SM	A-2, A-4	0	0	100	100	65-85	15-45	10-20	NP-5
	10-28	Fine sand	SM, SP-SM	A-2	0	0	100	100	55-80	12-35	10-20	NP-5
	28-60	Loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-100	60-95	20-40	4-24
VsD:												
Valentine------	0-6	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	6-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
Sandose--------	0-11	Loamy fine sand	SC-SM, SM	A-2	0	0	100	100	70-100	15-35	15-20	NP-5
	11-22	Fine sand	SC-SM, SM, SP-SM	A-2, A-3	0	0	100	100	65-85	5-35	15-20	NP-5
	22-41	Loam	CL-ML, CL, SC, SC-SM	A-4, A-7, A-6	0	0	100	100	80-100	45-80	20-45	5-20
	41-60	Loamy fine sand	ML, SC, CL, SM	A-4	0	0	100	95-100	70-95	40-75	15-25	NP-10
VwF:												
Valentine------	0-6	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	70-100	2-25	15-20	NP-5
	6-60	Fine sand	SM, SP, SP-SM	A-2, A-3	0	0	100	100	90-100	2-20	15-20	NP-5
Tryon----------	0-7	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	60-100	5-30	10-20	NP-5
	7-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-90	5-30	5-15	NP-5
VyB:												
Vetal----------	0-6	Loamy fine sand	SC-SM, SM	A-2	0	0	100	100	85-100	15-35	15-25	NP-5
	6-25	Fine sandy loam	ML, SM	A-2, A-4	0	0	100	100	60-95	30-65	20-30	NP-7
	25-42	Fine sandy loam	ML, SM	A-2, A-4	0	0	100	100	60-95	30-65	20-30	NP-7
	42-60	Loamy sand	SC-SM, SM	A-2	0	0	100	90-100	85-100	15-35	15-25	NP-5
Vz:												
Vetal----------	0-7	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	95-100	60-100	30-55	20-30	NP-10
	7-23	Fine sandy loam	CL-ML, ML, SC-SM, SM	A-2, A-4	0	0	100	95-100	60-100	30-65	20-30	NP-10
	23-48	Fine sandy loam	ML, SC-SM, CL-ML, SM	A-2, A-4	0	0	100	90-100	60-100	30-65	20-30	NP-10
	48-60	Fine sandy loam	SC-SM, SM	A-2	0	0	100	90-100	85-100	15-35	15-25	NP-5
W:												
Water----------	---	---	---	---	---	---	---	---	---	---	---	---
WeB:												
Wildhorse------	0-3	Fine sand	SM, SP-SM	A-2, A-3, A-4	0	0	100	100	50-100	5-40	10-20	NP-5
	3-60	Fine sand	SM, SP-SM	A-2, A-3	0	0	100	100	50-100	5-35	10-20	NP-5

ENGINEERING INDEX PROPERTIES--Continued
Cherry County, Nebraska

(Absence of an entry indicates that the data were not estimated.)

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	

PHYSICAL PROPERTIES OF THE SOILS
Cherry County, Nebraska: Initial

Physical Properties

This table shows estimates of some physical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Particle size is the effective diameter of a soil particle as measured by sedimentation, sieving, or micrometric methods. Particle sizes are expressed as classes with specific effective diameter class limits. The broad classes are sand, silt, and clay, ranging from the larger to the smaller.

Sand as a soil separate consists of mineral soil particles that are 0.05 millimeter to 2 millimeters in diameter. In this table, the estimated sand content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Silt as a soil separate consists of mineral soil particles that are 0.002 to 0.05 millimeter in diameter. In this table, the estimated silt content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Clay as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In this table, the estimated clay content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic qualities, and for soil classification.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, permeability, plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earthmoving operations.

Moist bulk density is the weight of soil (ovendry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at 1/3- or 1/10-bar (33kPa or 10kPa) moisture tension. Weight is determined after the soil is dried at 105 degrees C. In the table, the estimated moist bulk density of each soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter. Bulk density data are used to compute shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

Saturated hydraulic conductivity refers to the ability of a soil to transmit water or air. The term "permeability," as used in soil surveys, indicates saturated hydraulic conductivity (K-sat). The estimates in the table indicate the rate of water movement, in micrometers per second (um/sec), when the soil is saturated. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Permeability is considered in the design of soil drainage systems and septic tank absorption fields.

Available water capacity refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil for each soil layer. The capacity varies, depending on soil properties that affect retention of water. The most important properties are the content of organic matter, soil texture, bulk density, and soil structure. Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an estimate of the quantity of water actually available to plants at any given time.

Linear extensibility refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. It is an expression of the volume change between the water content of the clod at 1/3- or 1/10-bar tension (33kPa or 10kPa tension) and oven dryness. The volume change is reported in the table as percent change for the whole soil. Volume change is influenced by the amount and type of clay minerals in the soil.

Linear extensibility is used to determine the shrink-swell potential of soils. The shrink-swell potential is low if the soil has a linear extensibility of less than 3 percent; moderate if 3 to 6 percent; high if 6 to 9 percent; and very high if more than 9 percent. If the linear extensibility is more than 3, shrinking and swelling can cause damage to buildings, roads, and other structures and to plant roots. Special design commonly is needed.

Organic matter is the plant and animal residue in the soil at various stages of decomposition. In this table, the estimated content of organic matter is expressed as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of organic matter in a soil can be maintained by returning crop residue to the soil. Organic matter has a positive effect on available water capacity, water infiltration, soil organism activity, and tilth. It is a source of nitrogen and other nutrients for crops and soil organisms.

Erosion factors are shown in this table as the K factor (Kw and Kf) and the T factor. Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of six factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and permeability. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

Erosion factor Kw indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

Erosion factor Kf indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

Erosion factor T is an estimate of the maximum average annual rate of soil erosion by wind or water that can occur without affecting crop productivity over a sustained period. The rate is in tons per acre per year.

Wind erodibility groups are made up of soils that have similar properties affecting their susceptibility to wind erosion in cultivated areas. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible. The groups are as follows:

1. Coarse sands, sands, fine sands, and very fine sands.

PHYSICAL PROPERTIES OF THE SOILS
Cherry County, Nebraska: Initial

(Single entries under "Sand and Silt" are a representative percentage are calculated using an algorithm. Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										K	Kf	T		
	In	Pct	Pct	Pct	g/cc	in/hr	In/in	Pct	Pct					

2. Loamy coarse sands, loamy sands, loamy fine sands, loamy very fine sands, ash material, and sapric soil material.

3. Coarse sandy loams, sandy loams, fine sandy loams, and very fine sandy loams.

4L. Calcareous loams, silt loams, clay loams, and silty clay loams.

4. Clays, silty clays, noncalcareous clay loams, and silty clay loams that are more than 35 percent clay.

5. Noncalcareous loams and silt loams that are less than 20 percent clay and sandy clay loams, sandy clays, and hemic soil material.

6. Noncalcareous loams and silt loams that are more than 20 percent clay and noncalcareous clay loams that are less than 35 percent clay.

7. Silts, noncalcareous silty clay loams that are less than 35 percent clay, and fibric soil material.

8. Soils that are not subject to wind erosion because of coarse fragments on the surface or because of surface wetness.

Wind erodibility index is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. There is a close correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence wind erosion.

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(Single entries under "Sand and Silt" are a representative percentage are calculated using an algorithm. Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	in/hr	In/in	Pct	Pct					
Ad:														
Almeria------	0-5	87	7	3-10	1.35-1.55	5.95-19.98	0.10-0.12	0.0-2.9	0.5-4.0	.17	.17	5	8	0
	5-60			1-10	1.55-1.80	5.95-19.98	0.05-0.12	0.0-2.9	0.0-0.5	.15	.15			
Ae:														
Almeria------	0-7	64	26	5-15	1.30-1.50	2.00-6.00	0.13-0.18	0.0-2.9	1.0-12	.24	.24	5	8	0
	7-60			1-10	1.55-1.80	5.95-19.98	0.05-0.12	0.0-2.9	0.0-0.5	.15	.17			
Af:														
Almeria------	0-3			---	---	---	---	---	---	---	---	5	8	0
	3-6	64	26	5-15	1.30-1.50	0.57-5.95	0.16-0.20	0.0-2.9	1.0-12	.24	.24			
	6-60			1-10	1.55-1.80	5.95-19.98	0.05-0.12	0.0-2.9	0.0-0.5	.15	.15			
AmB:														
Anselmo------	0-11	87	2	8-15	1.50-1.70	5.95-19.98	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	11-30	66	20	10-18	1.40-1.60	2.00-6.00	0.15-0.19	0.0-2.9	0.5-1.0	.20	.20			
	30-36	66	20	10-18	1.40-1.60	2.00-6.00	0.12-0.16	0.0-2.9	0.5-1.0	.24	.24			
	36-60	91	1	5-10	1.50-1.75	5.95-19.98	0.05-0.10	0.0-2.9	0.0-5.0	.17	.17			
AmC:														
Anselmo------	0-11	87	2	8-15	1.50-1.70	5.95-19.98	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	11-30	66	20	10-18	1.40-1.60	2.00-6.00	0.15-0.19	0.0-2.9	0.5-1.0	.20	.20			
	30-36	66	20	10-18	1.40-1.60	2.00-6.00	0.12-0.16	0.0-2.9	0.5-1.0	.24	.24			
	36-60	91	1	5-10	1.50-1.75	5.95-19.98	0.05-0.10	0.0-2.9	0.0-5.0	.17	.17			
An:														
Anselmo------	0-6	66	20	10-18	1.30-1.60	0.57-5.95	0.13-0.18	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	6-16	66	20	10-18	1.40-1.60	2.00-6.00	0.15-0.19	0.0-2.9	0.5-1.0	.20	.20			
	16-34	66	20	10-18	1.40-1.60	2.00-6.00	0.12-0.16	0.0-2.9	0.5-1.0	.24	.24			
	34-60	91	1	5-10	1.50-1.75	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
AnC:														
Anselmo------	0-6	66	20	10-18	1.30-1.60	0.57-5.95	0.13-0.18	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	6-16	66	20	10-18	1.40-1.60	2.00-6.00	0.15-0.19	0.0-2.9	0.5-1.0	.20	.20			
	16-34	66	20	10-18	1.40-1.60	2.00-6.00	0.12-0.16	0.0-2.9	0.5-1.0	.24	.24			
	34-60	91	1	5-10	1.50-1.75	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
AnD:														
Anselmo------	0-6	66	20	10-18	1.30-1.60	0.57-5.95	0.13-0.18	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	6-16	66	20	10-18	1.40-1.60	2.00-6.00	0.15-0.19	0.0-2.9	0.5-1.0	.20	.20			
	16-34	66	20	10-18	1.40-1.60	2.00-6.00	0.12-0.16	0.0-2.9	0.5-1.0	.24	.24			
	34-60	91	1	5-10	1.50-1.75	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
AuF:														
Anselmo------	0-6	66	20	10-18	1.30-1.60	0.57-5.95	0.13-0.18	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	6-12	66	20	10-18	1.40-1.60	2.00-6.00	0.15-0.19	0.0-2.9	0.5-1.0	.20	.20			
	12-34	66	20	10-18	1.40-1.60	2.00-6.00	0.12-0.16	0.0-2.9	0.5-1.0	.24	.24			
	34-60	91	1	5-10	1.50-1.75	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
Longpine-----	0-4	65	27	5-12	1.50-1.75	2.00-6.00	0.16-0.18	0.0-2.9	0.5-1.0	.24	.24	2	3	86
	4-12	80	12	5-12	1.50-1.60	2.00-6.00	0.09-0.11	0.0-2.9	0.0-0.5	.10	.20			
	12-60			---	---	0.20-0.60	---	---	---	---	---			
BcG:														
Blownout Land	0-60	96	1	0-6	1.70-1.90	5.95-19.98	0.05-0.09	0.0-2.9	0.0-0.5	.15	.15	5	1	310
Valentine----	0-4	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	4-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
Bm:														
Bolent-------	0-5	87	7	3-10	1.40-1.60	5.95-19.98	0.10-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	5-60			1-10	1.50-1.80	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.17			
Bn:														
Bolent-------	0-4	66	20	7-20	1.30-1.50	2.00-6.00	0.13-0.18	0.0-2.9	1.0-2.0	.24	.24	5	3	86
	4-60			1-10	1.50-1.80	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.17			
Bp:														
Bolent-------	0-4	87	7	3-10	1.40-1.60	5.95-19.98	0.10-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	4-60			1-10	1.50-1.80	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.17			
Inglewood----	0-8	87	7	3-10	1.35-1.55	5.95-19.98	0.10-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	8-28	93	1	1-10	1.30-1.60	5.95-19.98	0.07-0.18	0.0-2.9	0.1-0.5	.17	.17			
	28-60			1-10	1.35-1.60	5.95-19.98	0.07-0.12	0.0-2.9	0.1-0.5	.17	.17			
BsD:														
Busher-------	0-16	64	26	5-15	1.30-1.50	2.00-6.00	0.15-0.18	0.0-2.9	1.0-3.0	.20	.20	4	3	86
	16-45	66	26	5-12	1.40-1.60	2.00-6.00	0.13-0.19	0.0-2.9	0.5-1.0	.28	.28			
	45-60			---	---	0.20-0.60	---	---	---	---	---			
BvF:														
Busher-------	0-18	64	26	5-15	1.30-1.50	2.00-6.00	0.15-0.18	0.0-2.9	1.0-3.0	.20	.20	4	3	86
	18-42	65	27	5-12	1.40-1.60	2.00-6.00	0.13-0.19	0.0-2.9	0.5-1.0	.28	.28			
	42-60			---	---	0.20-0.60	---	---	---	---	---			
Tassel-------	0-4	65	27	5-12	1.30-1.50	2.00-6.00	0.12-0.16	0.0-2.9	1.0-3.0	.24	.24	2	3	86
	4-15	65	27	5-12	1.40-1.70	2.00-6.00	0.12-0.18	0.0-2.9	0.5-2.0	.28	.28			
	15-60			---	---	0.20-0.60	---	---	---	---	---			
Cr:														
Crowther-----	0-2			---	---	---	---	---	---	---	---	4	8	0
	2-11	38	36	15-35	1.20-1.40	0.57-5.95	0.17-0.23	3.0-5.9	8.0-16	.24	.24			
	11-26	36	34	20-40	1.20-1.50	0.57-5.95	0.15-0.19	3.0-5.9	1.0-2.0	.32	.32			
	26-60	85	9	1-10	1.50-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.5-1.0	.17	.17			
Cs:														
Crowther-----	0-2			---	---	---	---	---	---	---	---	4	8	0
	2-11	38	36	15-35	1.20-1.40	0.57-5.95	0.17-0.23	3.0-5.9	8.0-16	.24	.24			
	11-35	36	34	20-40	1.20-1.50	0.57-5.95	0.15-0.19	3.0-5.9	1.0-2.0	.32	.32			
	35-60	93	1	1-10	1.50-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.5-1.0	.17	.17			
Cv:														
Cullison-----	0-1			---	---	---	---	---	---	---	---	5	8	0
	1-8	40	38	15-30	1.20-1.40	0.60-2.00	0.20-0.22	3.0-5.9	8.0-16	.24	.24			
	8-24	34	36	20-40	1.20-1.40	0.60-2.00	0.20-0.22	3.0-5.9	2.0-8.0	.24	.24			
	24-60	34	36	20-40	1.20-1.40	0.60-2.00	0.17-0.19	3.0-5.9	0.0-2.0	.37	.37			

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Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	in/hr	In/in	Pct	Pct					
Cx:														
Cullison-----	0-2			---	---	---	---	---	---	---	---	5	8	0
	2-17	40	38	15-30	1.20-1.40	0.60-2.00	0.20-0.22	3.0-5.9	8.0-16	.24	.24			
	17-27	34	36	20-40	1.20-1.40	0.60-2.00	0.17-0.19	3.0-5.9	2.0-8.0	.24	.24			
	27-60	36	34	20-40	1.20-1.40	0.60-2.00	0.17-0.19	3.0-5.9	0.0-2.0	.37	.37			
Cy:														
Cutcomb------	0-14			---	0.16-0.45	2.00-6.00	0.35-0.45	0.0-2.9	8.0-50	---	---	5	8	0
	14-52			---	0.16-0.28	2.00-6.00	0.35-0.45	0.0-2.9	8.0-50	---	---			
	52-60			---	0.16-0.45	2.00-6.00	0.35-0.45	0.0-2.9	8.0-50	---	---			
DaB:														
Dailey-------	0-17	80	17	2-5	1.70-1.85	5.95-19.98	0.07-0.12	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	17-60	80	17	2-5	1.75-1.95	5.95-19.98	0.04-0.07	0.0-2.9	0.5-1.0	.10	.10			
DaD:														
Dailey-------	0-12	80	17	2-5	1.70-1.85	5.95-19.98	0.07-0.12	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	12-60	80	17	2-5	1.75-1.95	5.95-19.98	0.04-0.07	0.0-2.9	0.5-1.0	.10	.10			
DfB:														
Doughboy-----	0-14	87	7	2-10	1.50-1.70	5.95-19.98	0.10-0.12	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	14-37	67	20	7-18	1.20-1.50	0.57-5.95	0.12-0.19	0.0-2.9	1.0-3.0	.32	.32			
	37-60	86	2	7-18	1.10-1.40	0.57-5.95	0.12-0.19	0.0-2.9	0.5-1.0	.32	.32			
Dg:														
Doughboy-----	0-19	64	26	5-15	1.50-1.70	2.00-6.00	0.16-0.18	0.0-2.9	2.0-4.0	.20	.20	5	3	86
	19-38	67	20	7-18	1.20-1.50	0.57-5.95	0.12-0.19	0.0-2.9	1.0-3.0	.32	.32			
	38-60	46	42	7-18	1.10-1.40	0.57-5.95	0.12-0.19	0.0-2.9	0.5-1.0	.32	.32			
DtB:														
Duda---------	0-6	87	7	3-10	1.15-1.25	1.98-19.98	0.10-0.12	0.0-2.9	0.5-2.0	.17	.17	3	2	134
	6-25	87	7	3-10	1.45-1.60	1.98-19.98	0.08-0.10	0.0-2.9	0.0-1.0	.17	.17			
	25-60			---	---	0.20-2.00	---	---	---	---	---			
Fishberry----	0-5	80	17	2-5	1.70-1.90	5.95-19.98	0.10-0.12	0.0-2.9	0.5-2.0	.17	.17	2	2	134
	5-16	80	17	1-5	1.70-1.90	5.95-19.98	0.03-0.11	0.0-2.9	0.0-1.0	.10	.15			
	16-60			---	---	---	---	---	---	---	---			
DuB:														
Dunday-------	0-18	87	7	3-10	1.40-1.60	5.95-19.98	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	18-60	95	1	2-7	1.50-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
DuD:														
Dunday-------	0-18	87	7	3-10	1.40-1.60	5.95-19.98	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	18-60	95	1	2-7	1.50-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
Ec:														
Els----------	0-6	94	1	2-8	1.60-1.70	5.95-19.98	0.07-0.12	0.0-2.9	0.5-3.0	.15	.15	5	1	220
	6-35	95	1	0-8	1.50-1.60	5.95-19.98	0.05-0.08	0.0-2.9	0.0-0.5	.15	.15			
	35-60	95	1	0-8	1.50-1.60	5.95-19.98	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
EfB:														
Els----------	0-5	94	1	2-8	1.60-1.70	5.95-19.98	0.07-0.12	0.0-2.9	0.5-3.0	.15	.15	5	1	220
	5-42	95	1	0-8	1.50-1.60	5.95-19.98	0.05-0.08	0.0-2.9	0.0-0.5	.15	.15			
	42-60	95	1	0-8	1.50-1.60	5.95-19.98	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
Ipage--------	0-4	96	1	1-5	1.40-1.50	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	220
	4-60	95	1	1-8	1.50-1.60	5.95-19.98	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
Eh:														
Els----------	0-6	94	1	2-8	1.60-1.70	5.95-19.98	0.07-0.12	0.0-2.9	0.5-3.0	.15	.15	5	1	220
	6-18	95	1	0-8	1.50-1.60	5.95-19.98	0.05-0.08	0.0-2.9	0.0-0.5	.15	.15			
	18-60	95	1	0-8	1.50-1.60	5.95-19.98	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
Tryon--------	0-4	87	7	3-10	1.40-1.60	5.95-19.98	0.10-0.12	0.0-2.9	4.0-8.0	.17	.17	5	8	0
	4-60	95	1	1-7	1.50-1.70	5.95-19.98	0.06-0.08	0.0-2.9	0.5-1.0	.17	.17			
Em:														
Els----------	0-9	95	1	1-8	1.60-1.70	5.95-19.98	0.07-0.09	0.0-2.9	0.5-3.0	.15	.15	5	1	220
	9-37	93	1	1-10	1.50-1.70	5.95-19.98	0.05-0.08	0.0-2.9	0.0-0.5	.15	.15			
	37-60	93	1	1-10	1.50-1.70	5.95-19.98	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
Hoffland-----	0-1			---	---	---	---	---	---	---	---	3	8	0
	1-10	63	19	15-20	1.20-1.50	2.00-6.00	0.16-0.19	0.0-2.9	4.0-12	.20	.20			
	10-33	93	1	1-10	1.40-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.5-1.0	.15	.15			
	33-60	93	1	1-10	1.40-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.0-0.5	.15	.15			
En:														
Els, Calcareous--	0-5	95	1	1-8	1.60-1.70	5.95-19.98	0.07-0.09	0.0-2.9	0.5-3.0	.15	.15	5	1	220
	5-40	93	1	1-10	1.50-1.70	5.95-19.98	0.05-0.08	0.0-2.9	0.0-0.5	.15	.15			
	40-60	93	1	1-10	1.50-1.70	5.95-19.98	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
Selia--------	0-6	93	1	1-10	1.35-1.80	5.95-19.98	0.07-0.09	0.0-2.9	2.0-4.0	.15	.15	2	1	180
	6-14	83	6	6-15	1.50-1.80	0.06-0.20	0.09-0.12	0.0-2.9	0.5-1.0	.17	.17			
	14-60	96	1	1-6	1.50-1.80	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
Es:														
Elsmere------	0-8	87	7	3-10	1.55-1.70	5.95-19.98	0.10-0.12	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	8-15	79	17	0-8	1.50-1.60	5.95-19.98	0.06-0.11	0.0-2.9	0.0-0.5	.17	.17			
	15-60	97	1	0-5	1.50-1.60	5.95-19.98	0.05-0.07	0.0-2.9	0.0-0.5	.15	.15			
Et:														
Elsmere------	0-8	87	7	3-10	1.55-1.70	5.95-19.98	0.10-0.12	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	8-14	79	17	0-8	1.50-1.60	5.95-19.98	0.06-0.11	0.0-2.9	0.0-0.5	.17	.17			
	14-60	97	1	0-5	1.50-1.60	5.95-19.98	0.05-0.07	0.0-2.9	0.0-0.5	.15	.15			
Ew:														
Elsmere------	0-16	87	7	3-10	1.55-1.70	5.95-19.98	0.10-0.12	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	16-27	95	1	0-8	1.50-1.60	5.95-19.98	0.06-0.11	0.0-2.9	0.0-0.5	.17	.17			
	27-60	97	1	0-5	1.50-1.60	5.95-19.98	0.05-0.07	0.0-2.9	0.0-0.5	.15	.15			
Loup---------	0-7	64	26	5-15	1.30-1.50	2.00-6.00	0.16-0.18	0.0-2.9	4.0-8.0	.20	.20	3	8	0
	7-60	95	1	2-7	1.50-1.70	5.95-19.98	0.06-0.08	0.0-2.9	0.5-1.0	.17	.17			

PHYSICAL PROPERTIES OF THE SOILS
Cherry County, Nebraska: Initial

(Single entries under "Sand and Silt" are a representative percentage are calculated using an algorithm. Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	in/hr	In/in	Pct	Pct					
FbC:														
Fishberry----	0-4	60	34	3-7	1.60-1.80	2.00-6.00	0.16-0.18	0.0-2.9	0.5-2.0	.24	.24	2	3	86
	4-15	80	17	1-5	1.70-1.90	5.95-19.98	0.03-0.11	0.0-2.9	0.0-1.0	.10	.15			
	15-60			---	---	---	---	---	---	---	---			
FcF:														
Fishberry----	0-5	80	17	2-5	1.70-1.90	5.95-19.98	0.10-0.12	0.0-2.9	0.5-2.0	.17	.17	2	2	134
	5-12	80	17	1-5	1.70-1.90	5.95-19.98	0.03-0.11	0.0-2.9	0.0-1.0	.10	.15			
	12-60			---	---	---	---	---	---	---	---			
Duda---------	0-4	87	7	3-10	1.15-1.25	1.98-19.98	0.10-0.12	0.0-2.9	0.5-2.0	.17	.17	3	2	134
	4-24	87	7	3-10	1.45-1.60	1.98-19.98	0.08-0.10	0.0-2.9	0.0-1.0	.17	.17			
	24-60			---	---	0.20-2.00	---	---	---	---	---			
FdG:														
Fishberry----	0-5	80	17	2-5	1.70-1.90	5.95-19.98	0.10-0.12	0.0-2.9	0.5-2.0	.17	.17	2	2	134
	5-12	80	17	1-5	1.70-1.90	5.95-19.98	0.03-0.11	0.0-2.9	0.0-1.0	.10	.15			
	12-60			---	---	---	---	---	---	---	---			
Rock Outcrop-	0-60			0-0	---	---	0.00-0.00	---	---	---	---	-	8	0
Fe:														
Fluvaquents, Sandy-------	0-2			---	---	---	---	---	---	---	---	5	8	0
	2-60	90	1	1-18	1.30-1.80	5.95-19.98	0.07-0.13	0.0-2.9	2.0-8.0	.17	.17			
Ga:														
Gannett------	0-10	40	38	10-35	1.20-1.50	0.60-2.00	0.16-0.22	3.0-5.9	6.0-20	.24	.24	4	8	0
	10-22	45	43	5-18	1.20-1.50	2.00-6.00	0.13-0.19	0.0-2.9	0.5-1.0	.20	.20			
	22-60	95	1	2-7	1.50-1.70	5.95-19.98	0.05-0.07	0.0-2.9	0.0-0.5	.15	.15			
Gb:														
Gannett------	0-2			---	---	---	---	---	---	---	---	4	8	0
	2-10	40	38	10-35	1.20-1.50	0.60-2.00	0.16-0.22	3.0-5.9	6.0-20	.24	.24			
	10-32	45	43	5-18	1.20-1.50	2.00-6.00	0.13-0.19	0.0-2.9	0.5-1.0	.20	.20			
	32-60	95	1	2-7	1.40-1.70	5.95-19.98	0.05-0.07	0.0-2.9	0.0-0.5	.15	.15			
Gc:														
Gus----------	0-1			---	---	---	---	---	---	---	---	5	8	0
	1-6	35	38	18-35	1.20-1.50	0.60-2.00	0.16-0.22	3.0-5.9	6.0-20	.24	.24			
	6-28	56	18	18-35	1.30-1.60	0.60-2.00	0.17-0.19	3.0-5.9	1.0-10	.24	.24			
	28-60	56	18	18-35	1.30-1.60	0.60-2.00	0.17-0.19	3.0-5.9	0.5-1.0	.32	.32			
Gf:														
Gus----------	0-3	35	38	18-35	1.20-1.50	0.60-2.00	0.16-0.22	0.0-2.9	6.0-20	.24	.24	5	8	0
	3-34	38	36	18-35	1.30-1.60	0.60-2.00	0.17-0.19	3.0-5.9	1.0-10	.24	.24			
	34-60	38	36	18-35	1.30-1.60	0.60-2.00	0.17-0.19	3.0-5.9	0.5-1.0	.32	.32			
He:														
Hennings-----	0-7	67	20	5-20	1.25-1.50	0.57-5.95	0.10-0.18	0.0-2.9	1.0-2.0	.20	.20	4	3	86
	7-27	56	18	18-35	1.30-1.65	0.60-2.00	0.09-0.20	3.0-5.9	0.5-1.0	.37	.37			
	27-36	67	20	5-20	1.25-1.50	0.57-5.95	0.09-0.20	0.0-2.9	0.0-0.5	.37	.37			
	36-55	84	6	3-15	1.25-1.70	1.98-19.98	0.07-0.12	0.0-2.9	0.0-0.5	.17	.17			
	55-60			---	---	0.20-0.60	---	---	---	---	---			
HeC:														
Hennings-----	0-7	67	20	5-20	1.25-1.50	0.57-5.95	0.10-0.18	0.0-2.9	1.0-2.0	.20	.20	4	3	86
	7-27	56	18	18-35	1.30-1.65	0.60-2.00	0.09-0.20	3.0-5.9	0.5-1.0	.37	.37			
	27-36	67	20	5-20	1.25-1.50	0.57-5.95	0.09-0.20	0.0-2.9	0.0-0.5	.37	.37			
	36-55	84	6	3-15	1.25-1.70	1.98-19.98	0.07-0.12	0.0-2.9	0.0-0.5	.17	.17			
	55-60			---	---	0.20-0.60	---	---	---	---	---			
HeD:														
Hennings-----	0-7	67	20	5-20	1.25-1.50	0.57-5.95	0.10-0.18	0.0-2.9	1.0-2.0	.20	.20	4	3	86
	7-27	56	18	18-35	1.30-1.65	0.60-2.00	0.09-0.20	3.0-5.9	0.5-1.0	.37	.37			
	27-36	67	20	5-20	1.25-1.50	0.57-5.95	0.09-0.20	0.0-2.9	0.0-0.5	.37	.37			
	36-55	84	6	3-15	1.25-1.70	1.98-19.98	0.07-0.12	0.0-2.9	0.0-0.5	.17	.17			
	55-60			---	---	0.20-0.60	---	---	---	---	---			
HgE:														
Hennings-----	0-8	67	20	5-20	1.25-1.50	0.57-5.95	0.10-0.18	0.0-2.9	1.0-2.0	.20	.20	4	3	86
	8-22	56	18	18-35	1.30-1.65	0.60-2.00	0.09-0.20	3.0-5.9	0.5-1.0	.37	.37			
	22-26	46	42	5-20	1.25-1.50	0.57-5.95	0.09-0.20	0.0-2.9	0.0-0.5	.37	.37			
	26-42	84	6	3-15	1.25-1.70	1.98-19.98	0.07-0.12	0.0-2.9	0.0-0.5	.17	.17			
	42-60			---	---	0.20-0.60	---	---	---	---	---			
Anselmo------	0-10	66	20	10-18	1.30-1.60	0.57-5.95	0.13-0.18	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	10-18	66	20	10-18	1.40-1.60	2.00-6.00	0.15-0.19	0.0-2.9	0.5-1.0	.20	.20			
	18-26	66	20	10-18	1.40-1.60	2.00-6.00	0.12-0.16	0.0-2.9	0.5-1.0	.24	.24			
	26-60	65	27	5-10	1.50-1.75	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.17	.17			
Hr:														
Hoffland-----	0-9	63	19	15-20	1.20-1.50	2.00-6.00	0.16-0.19	0.0-2.9	4.0-12	.20	.20	3	8	0
	9-30	93	1	1-10	1.40-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.5-1.0	.15	.15			
	30-60	93	1	1-10	1.40-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.0-0.5	.15	.15			
Hs:														
Hoffland-----	0-2			---	---	---	---	---	---	---	---	3	8	0
	2-11	63	19	15-20	1.20-1.50	2.00-6.00	0.16-0.19	0.0-2.9	4.0-12	.20	.20			
	11-22	78	16	1-10	1.40-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.5-1.0	.15	.15			
	22-60	93	1	1-10	1.40-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.0-0.5	.15	.15			
Ht:														
Holt---------	0-16	63	26	7-15	1.25-1.35	0.57-5.95	0.14-0.17	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	16-27	66	20	10-18	1.30-1.45	0.57-5.95	0.10-0.16	0.0-2.9	0.0-2.0	.20	.20			
	27-36	62	26	5-18	1.35-1.60	0.57-5.95	0.10-0.16	0.0-2.9	0.0-2.0	.20	.20			
	36-60			---	---	0.20-2.00	---	---	0.0-0.5	---	---			

PHYSICAL PROPERTIES OF THE SOILS
Cherry County, Nebraska: Initial

(Single entries under "Sand and Silt" are a representative percentage are calculated using an algorithm. Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	in/hr	In/in	Pct	Pct					
HuC:														
Holt---------	0-10	63	26	7-15	1.25-1.35	0.57-5.95	0.14-0.17	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	10-21	66	20	10-18	1.30-1.45	0.57-5.95	0.10-0.16	0.0-2.9	0.0-2.0	.20	.20			
	21-30	87	2	5-18	1.35-1.60	0.57-5.95	0.10-0.16	0.0-2.9	0.0-2.0	.20	.20			
	30-60			---	---	0.20-2.00	---	---	0.0-0.5	---	---			
Longpine-----	0-5	65	27	5-12	1.50-1.75	2.00-6.00	0.16-0.18	0.0-2.9	0.5-1.0	.24	.24	2	3	86
	5-16	65	27	5-12	1.50-1.60	2.00-6.00	0.09-0.11	0.0-2.9	0.0-0.5	.10	.20			
	16-60			---	---	0.20-0.60	---	---	---	---	---			
HuD:														
Holt---------	0-7	63	26	7-15	1.25-1.35	0.57-5.95	0.14-0.17	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	7-19	66	20	10-18	1.30-1.45	0.57-5.95	0.10-0.16	0.0-2.9	0.0-2.0	.20	.20			
	19-30	62	26	5-18	1.35-1.60	0.57-5.95	0.10-0.16	0.0-2.9	0.0-2.0	.20	.20			
	30-60			---	---	0.20-2.00	---	---	0.0-0.5	---	---			
Longpine-----	0-7	65	27	5-12	1.50-1.75	2.00-6.00	0.16-0.18	0.0-2.9	0.5-1.0	.24	.24	2	3	86
	7-13	65	27	5-12	1.50-1.60	2.00-6.00	0.09-0.11	0.0-2.9	0.0-0.5	.10	.20			
	13-60			---	---	0.20-0.60	---	---	---	---	---			
HyC:														
Holt---------	0-7	63	26	7-15	1.25-1.35	0.57-5.95	0.14-0.17	0.0-2.9	1.0-3.0	.20	.20	3	3	86
	7-20	66	20	10-18	1.30-1.45	0.57-5.95	0.10-0.16	0.0-2.9	0.0-2.0	.20	.20			
	20-27	62	26	5-18	1.35-1.60	0.57-5.95	0.10-0.16	0.0-2.9	0.0-2.0	.20	.20			
	27-60			---	---	0.20-2.00	---	---	0.0-0.5	---	---			
Vetal--------	0-6	66	20	10-18	1.25-1.40	2.00-6.00	0.11-0.17	0.0-2.9	1.0-3.0	.20	.20	5	3	86
	6-40	65	20	12-18	1.25-1.40	2.00-6.00	0.11-0.17	0.0-2.9	0.5-2.0	.20	.20			
	40-50	66	20	10-18	1.30-1.40	2.00-6.00	0.11-0.17	0.0-2.9	0.5-2.0	.20	.20			
	50-60	86	7	5-10	1.40-1.50	5.95-19.98	0.08-0.10	0.0-2.9	0.0-1.0	.20	.20			
Ic:														
Calamus------	0-4	92	1	3-10	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	220
	4-30	93	1	1-10	1.30-1.60	5.95-19.98	0.07-0.18	0.0-2.9	0.1-0.5	.17	.17			
	30-60			1-10	1.35-1.60	5.95-19.98	0.07-0.12	0.0-2.9	0.1-0.5	.17	.17			
Id:														
Calamus------	0-9	87	7	3-10	1.35-1.55	5.95-19.98	0.10-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	9-38	93	1	1-10	1.30-1.60	5.95-19.98	0.07-0.18	0.0-2.9	0.1-0.5	.17	.17			
	38-60			1-10	1.35-1.60	5.95-19.98	0.07-0.12	0.0-2.9	0.1-0.5	.17	.17			
IgB:														
Ipage--------	0-9	96	1	1-5	1.40-1.50	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	220
	9-60	95	1	1-8	1.50-1.60	5.95-19.98	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
IhB:														
Ipage--------	0-8	96	1	1-5	1.40-1.50	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	220
	8-60	95	1	1-8	1.50-1.60	5.95-19.98	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
IpB:														
Ipage--------	0-11	87	7	3-10	1.40-1.50	5.95-19.98	0.10-0.12	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	11-60	95	1	1-8	1.50-1.60	5.95-19.98	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
ItB:														
Ipage--------	0-8	96	1	1-5	1.40-1.50	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	220
	8-60	95	1	1-8	1.50-1.60	5.95-19.98	0.04-0.10	0.0-2.9	0.0-0.5	.15	.15			
Tryon--------	0-6	87	7	3-10	1.40-1.60	5.95-19.98	0.10-0.12	0.0-2.9	4.0-8.0	.17	.17	5	8	0
	6-60	95	1	1-7	1.50-1.70	5.95-19.98	0.06-0.08	0.0-2.9	0.5-1.0	.17	.17			
Jn:														
Jansen-------	0-6	67	20	8-18	1.30-1.40	2.00-6.00	0.13-0.18	0.0-2.9	1.0-3.0	.20	.20	4	3	86
	6-35	38	36	18-32	1.30-1.50	0.60-2.00	0.15-0.19	3.0-5.9	0.5-2.0	.37	.37			
	35-60	92	7	0-3	1.50-1.70	19.98-19.98	0.02-0.04	0.0-2.9	0.0-0.5	.05	.10			
Ke:														
Keya---------	0-22	40	38	20-26	1.15-1.30	0.60-2.00	0.17-0.20	0.0-2.9	2.0-4.0	.28	.28	5	6	48
	22-42	34	37	24-34	1.20-1.40	0.60-2.00	0.16-0.22	3.0-5.9	0.5-2.0	.28	.28			
	42-60	42	38	10-30	1.35-1.50	0.60-2.00	0.12-0.20	0.0-2.9	0.0-0.5	.32	.32			
LfB:														
Libory-------	0-10	86	7	2-12	1.50-1.70	5.95-19.98	0.07-0.12	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	10-22	92	1	2-12	1.50-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.5-1.0	.17	.17			
	22-60	57	19	15-32	1.20-1.40	0.60-2.00	0.17-0.22	0.0-2.9	0.0-0.5	.43	.43			
Lh:														
Lodgepole----	0-6	26	53	16-25	1.20-1.40	0.60-2.00	0.22-0.24	0.0-2.9	2.0-4.0	.37	.37	3	6	48
	6-41	8	50	35-50	1.25-1.50	0.00-0.06	0.13-0.18	6.0-8.9	1.0-3.0	.28	.28			
	41-60	29	53	8-27	1.30-1.50	0.60-2.00	0.22-0.24	0.0-2.9	0.5-1.0	.43	.43			
Lo:														
Loup---------	0-8	64	26	5-15	1.30-1.50	2.00-6.00	0.16-0.18	0.0-2.9	4.0-8.0	.20	.20	3	8	0
	8-60	95	1	2-7	1.50-1.70	5.95-19.98	0.06-0.08	0.0-2.9	0.5-1.0	.17	.17			
Lp:														
Loup---------	0-3			---	---	---	---	---	---	---	---	3	8	0
	3-14	64	26	5-15	1.30-1.50	2.00-6.00	0.16-0.18	0.0-2.9	4.0-8.0	.20	.20			
	14-60	95	1	2-7	1.50-1.70	5.95-19.98	0.06-0.08	0.0-2.9	0.5-1.0	.17	.17			
Ma:														
Marlake------	0-2			---	---	---	---	---	---	---	---	5	8	0
	2-9	66	20	10-18	1.40-1.50	5.95-19.98	0.16-0.18	0.0-2.9	4.0-8.0	.20	.20			
	9-16	78	16	3-8	1.50-1.60	5.95-19.98	0.06-0.11	0.0-2.9	0.5-1.0	.17	.17			
	16-60	96	2	0-5	1.50-1.60	5.95-19.98	0.05-0.07	0.0-2.9	0.0-0.5	.15	.15			
McB:														
Mckelvie-----	0-6	87	7	3-10	1.40-1.60	5.95-19.98	0.10-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	6-36	93	1	1-10	1.60-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.0-0.5	.15	.15			
	36-60	93	2	1-10	1.60-1.80	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
McD:														
Mckelvie-----	0-6	87	7	3-10	1.40-1.60	5.95-19.98	0.10-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	6-36	93	1	1-10	1.60-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.0-0.5	.15	.15			
	36-60	93	2	1-10	1.60-1.80	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			

PHYSICAL PROPERTIES OF THE SOILS
Cherry County, Nebraska: Initial

(Single entries under "Sand and Silt" are a representative percentage are calculated using an algorithm. Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	in/hr	In/in	Pct	Pct					
McF:														
Mckelvie-----	0-6	87	7	3-10	1.40-1.60	5.95-19.98	0.10-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	6-36	93	1	1-10	1.60-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.0-0.5	.15	.15			
	36-60	93	2	1-10	1.60-1.80	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
MdF:														
Mckelvie-----	0-6	87	7	3-10	1.40-1.60	5.95-19.98	0.10-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	6-36	93	1	1-10	1.60-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.0-0.5	.15	.15			
	36-60	93	2	1-10	1.60-1.80	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
Fishberry----	0-5	80	17	2-5	1.70-1.90	5.95-19.98	0.10-0.12	0.0-2.9	0.5-2.0	.17	.17	2	2	134
	5-16	80	17	1-5	1.70-1.90	5.95-19.98	0.03-0.11	0.0-2.9	0.0-1.0	.10	.15			
	16-60			---	---	---	---	---	---	---	---			
MeG:														
Mckelvie-----	0-6	87	7	3-10	1.40-1.60	5.95-19.98	0.10-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	6-36	93	1	1-10	1.60-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.0-0.5	.15	.15			
	36-60	93	2	1-10	1.60-1.80	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
Fishberry----	0-5	80	17	2-5	1.70-1.90	5.95-19.98	0.10-0.12	0.0-2.9	0.5-2.0	.17	.17	2	2	134
	5-15	80	17	1-5	1.70-1.90	5.95-19.98	0.03-0.11	0.0-2.9	0.0-1.0	.10	.15			
	15-60			---	---	---	---	---	---	---	---			
MfG:														
Mckelvie-----	0-6	87	7	3-10	1.40-1.60	5.95-19.98	0.10-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	6-36	93	1	1-10	1.60-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.0-0.5	.15	.15			
	36-60	93	2	1-10	1.60-1.80	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
Rock Outcrop-	0-60			0-0	---	---	0.00-0.00	---	---	---	---	-	8	0
MgG:														
Mckelvie-----	0-6	96	1	1-5	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	6-36	93	1	1-10	1.60-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.0-0.5	.15	.15			
	36-60	93	1	1-10	1.60-1.80	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
Ustorthents--	0-11	87	7	3-10	1.35-1.55	5.95-19.98	0.10-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	11-60	63	24	8-18	1.45-1.70	2.00-6.00	0.12-0.19	0.0-2.9	0.0-0.5	.24	.24			
MxB:														
Meadin-------	0-5	83	9	6-10	1.50-1.70	2.00-6.00	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	5-14	84	4	5-18	1.50-1.60	5.95-19.98	0.09-0.11	0.0-2.9	0.5-1.0	.10	.17			
	14-60	90	6	2-5	1.50-1.70	19.98-19.98	0.02-0.05	0.0-2.9	0.0-0.5	.10	.28			
MxF:														
Meadin-------	0-6	83	9	6-10	1.50-1.70	2.00-6.00	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	6-11	90	0	5-18	1.50-1.60	5.95-19.98	0.09-0.11	0.0-2.9	0.5-1.0	.10	.17			
	11-60	90	6	2-5	1.50-1.70	19.98-19.98	0.02-0.05	0.0-2.9	0.0-0.5	.10	.28			
Mz:														
Medihemists--	0-8			---	0.15-0.80	2.00-6.00	0.35-0.45	0.0-2.9	20-99	---	---	5	8	0
	8-27			---	0.07-0.80	2.00-6.00	0.35-0.45	0.0-2.9	20-99	---	---			
	27-36	92	1	3-10	1.40-1.60	5.95-19.98	0.06-0.07	0.0-2.9	0.0-0.5	.15	.15			
	36-60			---	0.15-0.80	2.00-6.00	0.35-0.45	0.0-2.9	20-99	---	---			
NeB:														
Nenzel-------	0-18	86	7	5-10	1.40-1.50	5.95-19.98	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	18-33	78	16	1-10	1.40-1.60	5.95-19.98	0.06-0.11	0.0-2.9	0.5-2.0	.17	.17			
	33-60	93	1	1-10	1.40-1.60	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
NfB:														
Nenzel-------	0-14	86	7	5-10	1.40-1.50	5.95-19.98	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	5	2	134
	14-21	78	16	1-10	1.40-1.60	5.95-19.98	0.06-0.11	0.0-2.9	0.5-2.0	.17	.17			
	21-60	93	1	1-10	1.40-1.60	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
Or:														
Ord----------	0-14	45	43	8-15	1.40-1.60	0.60-2.00	0.20-0.22	0.0-2.9	2.0-4.0	.28	.28	4	4L	86
	14-34	62	26	8-15	1.50-1.70	2.00-6.00	0.15-0.17	0.0-2.9	0.5-1.0	.20	.20			
	34-60	91	1	3-12	1.60-1.70	5.95-19.98	0.02-0.04	0.0-2.9	0.0-0.5	.15	.15			
OsD:														
Orpha--------	0-5	86	7	5-9	1.35-1.45	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	5-44	94	1	2-8	1.35-1.50	5.95-19.98	0.06-0.09	0.0-2.9	0.0-0.5	.15	.15			
	44-60	95	1	2-6	1.45-1.55	5.95-19.98	0.05-0.07	0.0-2.9	0.0-0.5	.15	.15			
OtF:														
Orpha--------	0-8	86	7	5-9	1.35-1.45	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	8-14	79	16	2-8	1.35-1.50	5.95-19.98	0.06-0.09	0.0-2.9	0.0-0.5	.15	.15			
	14-60	95	1	2-6	1.45-1.55	5.95-19.98	0.05-0.07	0.0-2.9	0.0-0.5	.15	.15			
Niobrara-----	0-6	80	17	2-5	1.70-1.90	5.95-19.98	0.10-0.12	0.0-2.9	0.5-2.0	.17	.17	2	2	134
	6-13	96	1	2-5	1.70-1.90	5.95-19.98	0.06-0.11	0.0-2.9	0.0-1.0	.15	.15			
	13-60			---	---	0.20-0.60	---	---	---	---	---			
OxG:														
Orpha--------	0-6	86	7	5-9	1.35-1.45	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	6-26	94	1	2-8	1.35-1.50	5.95-19.98	0.06-0.09	0.0-2.9	0.0-0.5	.15	.15			
	26-60	95	1	2-6	1.45-1.55	5.95-19.98	0.05-0.07	0.0-2.9	0.0-0.5	.15	.15			
Rock Outcrop-	0-60			0-0	---	---	0.00-0.00	---	---	---	---	-	8	0
PtB:														
Pivot--------	0-5	86	7	3-12	1.40-1.60	5.95-19.98	0.10-0.12	0.0-2.9	1.0-2.0	.17	.17	4	2	134
	5-11	87	7	2-10	1.40-1.70	5.95-19.98	0.09-0.11	0.0-2.9	0.5-1.0	.17	.17			
	11-28	95	1	1-8	1.50-1.70	5.95-19.98	0.06-0.08	0.0-2.9	0.0-0.5	.17	.17			
	28-60	92	4	1-8	1.50-1.70	19.98-19.98	0.02-0.04	0.0-2.9	0.0-0.5	.10	.17			
SfB:														
Sandose------	0-10	79	17	0-8	1.35-1.55	5.95-19.98	0.10-0.12	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	10-32	79	17	0-8	1.55-1.80	5.95-19.98	0.06-0.11	0.0-2.9	0.5-1.0	.17	.17			
	32-48	56	18	18-35	1.30-1.65	0.60-2.00	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	48-60	46	42	5-20	1.45-1.70	0.57-5.95	0.12-0.19	0.0-2.9	0.0-0.5	.28	.28			

PHYSICAL PROPERTIES OF THE SOILS
Cherry County, Nebraska: Initial

(Single entries under "Sand and Silt" are a representative percentage are calculated using an algorithm. Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	in/hr	In/in	Pct	Pct					
ShB:														
Sandose------	0-16	79	17	0-8	1.35-1.55	5.95-19.98	0.10-0.12	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	16-30	79	17	0-8	1.55-1.80	5.95-19.98	0.06-0.11	0.0-2.9	0.5-1.0	.17	.17			
	30-48	38	36	18-35	1.30-1.65	0.60-2.00	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	48-60	46	42	5-20	1.45-1.70	0.57-5.95	0.12-0.19	0.0-2.9	0.0-0.5	.28	.28			
Hennings-----	0-17	78	16	3-8	1.35-1.55	5.95-19.98	0.08-0.12	0.0-2.9	1.0-2.0	.17	.17	4	2	134
	17-29	56	18	18-35	1.30-1.65	0.60-2.00	0.09-0.20	3.0-5.9	0.5-1.0	.37	.37			
	29-35	67	20	5-20	1.25-1.50	0.57-5.95	0.09-0.20	0.0-2.9	0.0-0.5	.37	.37			
	35-55	84	6	3-15	1.25-1.70	1.98-19.98	0.07-0.12	0.0-2.9	0.0-0.5	.17	.17			
	55-60			---	---	0.20-0.60	---	---	---	---	---			
ShC:														
Sandose------	0-16	79	17	0-8	1.35-1.55	5.95-19.98	0.10-0.12	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	16-30	79	17	0-8	1.55-1.80	5.95-19.98	0.06-0.11	0.0-2.9	0.5-1.0	.17	.17			
	30-48	38	36	18-35	1.30-1.65	0.60-2.00	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	48-60	46	42	5-20	1.45-1.70	0.57-5.95	0.12-0.19	0.0-2.9	0.0-0.5	.28	.28			
Hennings-----	0-17	78	16	3-8	1.35-1.55	5.95-19.98	0.08-0.12	0.0-2.9	1.0-2.0	.17	.17	4	2	134
	17-29	56	18	18-35	1.30-1.65	0.60-2.00	0.09-0.20	3.0-5.9	0.5-1.0	.37	.37			
	29-35	46	42	5-20	1.25-1.50	0.57-5.95	0.09-0.20	0.0-2.9	0.0-0.5	.37	.37			
	35-55	65	26	3-15	1.25-1.70	1.98-19.98	0.07-0.12	0.0-2.9	0.0-0.5	.17	.17			
	55-60			---	---	0.20-0.60	---	---	---	---	---			
ShD:														
Sandose------	0-16	79	17	0-8	1.35-1.55	5.95-19.98	0.10-0.12	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	16-30	79	17	0-8	1.55-1.80	5.95-19.98	0.06-0.11	0.0-2.9	0.5-1.0	.17	.17			
	30-48	38	36	18-35	1.30-1.65	0.60-2.00	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	48-60	63	24	5-20	1.45-1.70	0.57-5.95	0.12-0.19	0.0-2.9	0.0-0.5	.28	.28			
Hennings-----	0-17	78	16	3-8	1.35-1.55	5.95-19.98	0.08-0.12	0.0-2.9	1.0-2.0	.17	.17	4	2	134
	17-29	56	18	18-35	1.30-1.65	0.60-2.00	0.09-0.20	3.0-5.9	0.5-1.0	.37	.37			
	29-35	67	20	5-20	1.25-1.50	0.57-5.95	0.09-0.20	0.0-2.9	0.0-0.5	.37	.37			
	35-55	84	6	3-15	1.25-1.70	1.98-19.98	0.07-0.12	0.0-2.9	0.0-0.5	.17	.17			
	55-60			---	---	0.20-0.60	---	---	---	---	---			
SnB:														
Satanta------	0-10	64	26	5-15	1.30-1.40	0.60-2.00	0.16-0.18	0.0-2.9	1.0-2.0	.20	.20	5	3	86
	10-24	35	38	18-35	1.35-1.45	0.60-2.00	0.16-0.19	3.0-5.9	0.5-2.0	.28	.28			
	24-50	64	26	5-15	1.30-1.40	0.60-2.00	0.12-0.18	0.0-2.9	0.5-1.0	.32	.32			
	50-60	85	7	2-15	1.45-1.55	5.95-19.98	0.08-0.10	0.0-2.9	0.5-1.0	.17	.17			
SoB:														
Simeon-------	0-5	92	2	3-10	1.30-1.50	5.95-19.98	0.06-0.12	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	5-60	92	2	2-10	1.50-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
SvD:														
Simeon-------	0-5	92	2	3-10	1.30-1.50	5.95-19.98	0.06-0.12	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	5-60	92	2	2-10	1.50-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
Valentine----	0-5	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	5-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
SvF:														
Simeon-------	0-6	92	2	3-10	1.30-1.50	5.95-19.98	0.06-0.12	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	6-60	92	2	2-10	1.50-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
Valentine----	0-6	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	6-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
Tn:														
Tryon--------	0-4	64	26	5-15	1.30-1.50	2.00-6.00	0.16-0.18	0.0-2.9	4.0-8.0	.20	.20	5	8	0
	4-60	95	1	1-7	1.50-1.70	5.95-19.98	0.06-0.08	0.0-2.9	0.5-1.0	.17	.17			
To:														
Tryon--------	0-2			---	---	---	---	---	---	---	---	5	8	0
	2-7	64	26	5-15	1.30-1.50	2.00-6.00	0.16-0.18	0.0-2.9	4.0-8.0	.20	.20			
	7-60	95	1	1-7	1.50-1.70	5.95-19.98	0.06-0.08	0.0-2.9	0.5-1.0	.17	.17			
TwC:														
Tuthill------	0-8	65	20	10-20	1.25-1.40	0.57-5.95	0.14-0.17	0.0-2.9	1.0-3.0	.20	.20	4	3	86
	8-23	35	38	18-35	1.25-1.40	0.60-2.00	0.09-0.18	3.0-5.9	0.0-2.0	.32	.32			
	23-50	86	7	5-10	1.40-1.60	5.95-19.98	0.06-0.10	0.0-2.9	0.0-0.5	.17	.17			
	50-60	92	1	3-10	1.40-1.60	5.95-19.98	0.06-0.10	0.0-2.9	0.0-0.5	.17	.17			
TwD:														
Tuthill------	0-8	65	20	10-20	1.25-1.40	0.57-5.95	0.14-0.17	0.0-2.9	1.0-3.0	.20	.20	4	3	86
	8-23	35	38	18-35	1.25-1.40	0.60-2.00	0.09-0.18	3.0-5.9	0.0-2.0	.32	.32			
	23-50	86	7	5-10	1.40-1.60	5.95-19.98	0.06-0.10	0.0-2.9	0.0-0.5	.17	.17			
	50-60	87	7	3-10	1.40-1.60	5.95-19.98	0.06-0.10	0.0-2.9	0.0-0.5	.17	.17			
VcB:														
Valent-------	0-5	95	1	2-6	1.55-1.65	5.95-19.98	0.05-0.10	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	5-60	94	1	2-8	1.60-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
VcD:														
Valent-------	0-6	95	1	2-6	1.55-1.65	5.95-19.98	0.05-0.10	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	6-60	94	1	2-8	1.60-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
VcE:														
Valent-------	0-5	95	1	2-6	1.55-1.65	5.95-19.98	0.05-0.10	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	5-60	94	1	2-8	1.60-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
VcF:														
Valent-------	0-5	95	1	2-6	1.55-1.65	5.95-19.98	0.05-0.10	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	5-60	94	1	2-8	1.60-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
Valent-------	0-4	95	1	2-6	1.55-1.65	5.95-19.98	0.05-0.10	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	4-40	94	1	2-8	1.60-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
	40-60	95	1	2-6	1.65-1.75	19.98-19.98	0.03-0.05	0.0-2.9	0.0-0.5	.10	.10			
VcG:														
Valent-------	0-4	95	1	2-6	1.55-1.65	5.95-19.98	0.05-0.10	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	4-60	94	1	2-8	1.60-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			

PHYSICAL PROPERTIES OF THE SOILS
Cherry County, Nebraska: Initial

(Single entries under "Sand and Silt" are a representative percentage are calculated using an algorithm. Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors K	Erosion factors Kf	Erosion factors T	Wind erodi-bility group	Wind erodi-bility index
	In	Pct	Pct	Pct	g/cc	in/hr	In/in	Pct	Pct					
VdD:														
Valent-------	0-6	87	7	3-10	1.55-1.65	5.95-19.98	0.07-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	6-60	94	1	2-8	1.60-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
VgD:														
Valent-------	0-4	95	1	2-6	1.55-1.65	5.95-19.98	0.05-0.10	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	4-60	94	1	2-8	1.60-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
Els----------	0-8	94	1	2-8	1.60-1.70	5.95-19.98	0.07-0.12	0.0-2.9	0.5-3.0	.15	.15	5	1	220
	8-17	95	1	0-8	1.50-1.60	5.95-19.98	0.05-0.08	0.0-2.9	0.0-0.5	.15	.15			
	17-60	95	1	0-8	1.50-1.60	5.95-19.98	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
VhF:														
Valent-------	0-3	95	1	2-6	1.55-1.65	5.95-19.98	0.05-0.10	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	3-60	94	1	2-8	1.60-1.70	5.95-19.98	0.05-0.10	0.0-2.9	0.0-0.5	.15	.15			
Tryon--------	0-8	97	1	0-5	1.50-1.60	5.95-19.98	0.07-0.09	0.0-2.9	4.0-8.0	.15	.15	5	8	0
	8-19	95	1	1-7	1.50-1.70	5.95-19.98	0.06-0.08	0.0-2.9	0.5-1.0	.17	.17			
	19-60	95	1	2-7	1.50-1.70	5.95-19.98	0.05-0.07	0.0-2.9	0.0-0.5	.15	.15			
VkB:														
Valentine----	0-5	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	5-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
VkD:														
Valentine----	0-5	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	5-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
VkE:														
Valentine----	0-5	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	5-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
VkF:														
Valentine----	0-5	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	5-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
Valentine----	0-4	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	4-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
VkG:														
Valentine----	0-4	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	4-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
VmB:														
Valentine----	0-8	87	7	2-10	1.35-1.55	5.95-19.98	0.10-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	8-60	79	17	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
VmD:														
Valentine----	0-8	87	7	2-10	1.35-1.55	5.95-19.98	0.10-0.12	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	8-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
VnD:														
Valentine----	0-8	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	8-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
Duda---------	0-8	87	7	3-10	1.15-1.25	1.98-19.98	0.10-0.12	0.0-2.9	0.5-2.0	.17	.17	3	2	134
	8-36	87	7	3-10	1.45-1.60	1.98-19.98	0.08-0.10	0.0-2.9	0.0-1.0	.17	.17			
	36-60			---	---	0.20-2.00	---	---	---	---	---			
VnF:														
Valentine----	0-5	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	5-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
Duda---------	0-8	87	7	3-10	1.15-1.25	1.98-19.98	0.10-0.12	0.0-2.9	0.5-2.0	.17	.17	3	2	134
	8-27	92	1	3-10	1.45-1.60	1.98-19.98	0.08-0.10	0.0-2.9	0.0-1.0	.17	.17			
	27-60			---	---	0.20-2.00	---	---	---	---	---			
VoD:														
Valentine----	0-8	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	8-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
Els----------	0-6	94	1	2-8	1.60-1.70	5.95-19.98	0.07-0.12	0.0-2.9	0.5-3.0	.15	.15	5	1	220
	6-16	95	1	0-8	1.50-1.60	5.95-19.98	0.05-0.08	0.0-2.9	0.0-0.5	.15	.15			
	16-60	95	1	0-8	1.50-1.60	5.95-19.98	0.04-0.07	0.0-2.9	0.0-0.5	.15	.15			
VpD:														
Valentine----	0-4	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	4-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
Libory-------	0-10	86	7	2-12	1.50-1.70	5.95-19.98	0.07-0.12	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	10-28	92	1	2-12	1.50-1.70	5.95-19.98	0.06-0.11	0.0-2.9	0.5-1.0	.17	.17			
	28-60	39	37	15-32	1.20-1.40	0.60-2.00	0.17-0.22	0.0-2.9	0.0-0.5	.43	.43			
VsD:														
Valentine----	0-6	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	6-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
Sandose------	0-11	79	17	0-8	1.35-1.55	5.95-19.98	0.10-0.12	0.0-2.9	1.0-3.0	.17	.17	5	2	134
	11-22	95	1	0-8	1.55-1.80	5.95-19.98	0.06-0.11	0.0-2.9	0.5-1.0	.17	.17			
	22-41	38	36	18-35	1.30-1.65	0.60-2.00	0.15-0.19	3.0-5.9	0.5-1.0	.37	.37			
	41-60	86	2	5-20	1.45-1.70	0.57-5.95	0.12-0.19	0.0-2.9	0.0-0.5	.28	.28			
VwF:														
Valentine----	0-6	96	1	0-6	1.40-1.60	5.95-19.98	0.07-0.09	0.0-2.9	0.5-1.0	.15	.15	5	1	250
	6-60	95	1	0-8	1.55-1.80	5.95-19.98	0.05-0.11	0.0-2.9	0.0-0.5	.15	.15			
Tryon--------	0-7	97	1	0-5	1.50-1.60	5.95-19.98	0.07-0.09	0.0-2.9	4.0-8.0	.15	.15	5	8	0
	7-60	95	1	1-7	1.50-1.70	5.95-19.98	0.06-0.08	0.0-2.9	0.5-1.0	.17	.17			
VyB:														
Vetal--------	0-6	86	7	5-10	1.25-1.35	2.00-6.00	0.10-0.12	0.0-2.9	1.0-3.0	.20	.17	5	2	134
	6-25	65	20	12-18	1.25-1.35	2.00-6.00	0.11-0.19	0.0-2.9	1.0-3.0	.20	.20			
	25-42	65	20	12-18	1.30-1.45	2.00-6.00	0.10-0.17	0.0-2.9	0.0-0.5	.20	.20			
	42-60	84	9	5-10	1.40-1.50	5.95-19.98	0.08-0.10	0.0-2.9	0.0-0.5	.15	.15			
Vz:														
Vetal--------	0-7	66	20	10-18	1.25-1.40	2.00-6.00	0.11-0.17	0.0-2.9	1.0-3.0	.20	.20	5	3	86
	7-23	65	20	12-18	1.25-1.40	2.00-6.00	0.11-0.17	0.0-2.9	0.5-2.0	.20	.20			
	23-48	66	20	10-18	1.30-1.40	2.00-6.00	0.11-0.17	0.0-2.9	0.5-2.0	.20	.20			
	48-60	65	27	5-10	1.40-1.50	5.95-19.98	0.08-0.10	0.0-2.9	0.0-1.0	.20	.20			

PHYSICAL PROPERTIES OF THE SOILS
Cherry County, Nebraska: Initial

(Single entries under "Sand and Silt" are a representative percentage are calculated using an algorithm. Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea-bility (Ksat)	Available water capacity	Linear extensi-bility	Organic matter	Erosion factors			Wind erodi-bility group	Wind erodi-bility index
										K	Kf	T		
	In	Pct	Pct	Pct	g/cc	in/hr	In/in	Pct	Pct					
W:														
Water--------	---			---	---	---	---	---	---	---	---	-	---	0
WeB:														
Wildhorse----	0-3	93	1	2-10	1.60-1.90	5.95-19.98	0.03-0.10	0.0-2.9	0.5-3.0	.15	.15	5	1	220
	3-60	93	1	1-10	1.50-1.70	5.95-19.98	0.01-0.08	0.0-2.9	0.0-0.5	.15	.15			

CHEMICAL PROPERTIES OF THE SOILS
Cherry County, Nebraska

The Chemical Properties table shows estimates of some characteristics and features that affect soil behavior. These estimates are given for the major layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils. Depth to the upper and lower boundaries of each layer is indicated.

Cation-exchange capacity is the total amount of extractable bases that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. Soils having a low cation-exchange capacity hold fewer cations and may require more frequent applications of fertilizer than soils having a high cation-exchange capacity. Soils having a high cation-exchange capacity can retain cations. The ability to retain cations helps to prevent the pollution of ground water.

Soil reaction is a measure of acidity or alkalinity and is expressed as a range in pH values. The range in pH of each major horizon is based on many field tests. For many soils, values have been verified by laboratory analyses. Soil reaction is important in selecting crops and other plants, in evaluating soil amendments for fertility and stabilization, and in determining the risk of corrosion.

Calcium carbonate equivalent is the percent of carbonates, by weight, in the fraction of the soil less than 2 millimeters in size. The availability of plant nutrients is influenced by the amount of carbonates in the soil. Incorporating nitrogen fertilizer into calcareous soils helps to prevent nitrite accumulation and ammonium-N volatilization.

Gypsum is expressed as a percent, by weight, of hydrated calcium sulfates in the fraction of the soil less than 20 millimeters in size. Gypsum is partially soluble in water and can be dissolved and removed by water. Soils that have a high content of gypsum may collapse if the gypsum is removed by percolating water.

Salinity is a measure of soluble salts in the soil at saturation. It is expressed as the electrical conductivity of the saturation extract, in millimhos per centimeter at 25 degrees C. Estimates are based on field and laboratory measurements at representative sites of nonirrigated soils. The salinity of irrigated soils is affected by the quality of the irrigation water and by the frequency of water application. Hence, the salinity of soils in individual fields can differ greatly from the value given in the table. Salinity affects the suitability of a soil for crop production, the stability of soil if used as construction material, and the potential of the soil to corrode metal and concrete.

Sodium adsorption ratio (SAR) is a measure of the amount of sodium (Na) relative to calcium (Ca) and magnesium (Mg) in the water extract from saturated soil paste. It is the ratio of the Na concentration divided by the square root of one-half of the Ca + Mg concentration. Soils that have SAR values of 13 or more may be characterized by an increased dispersion of organic matter and clay particles, reduced permeability and aeration, and a general degradation of soil structure.

CHEMICAL PROPERTIES OF THE SOILS--Continued
Cherry County, Nebraska

Map symbol and soil name	Depth	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100g	pH	Pct	Pct	mmhos/cm	
Ad:							
Almeria---------	0-5	3.0-15	6.1-8.4	0-5	0	0.0-4.0	0
	5-60	1.0-8.0	5.6-7.3	0-5	0	0.0-4.0	0
Ae:							
Almeria---------	0-7	4.0-22	6.1-8.4	0-5	0	0.0-4.0	0
	7-60	1.0-8.0	5.6-7.3	0	0	0.0-4.0	0
Af:							
Almeria---------	0-3	---	---	---	---	---	---
	3-6	4.0-22	6.1-8.4	0-5	0	0.0-4.0	0
	6-60	1.0-8.0	5.6-7.3	0-5	0	0.0-4.0	0
AmB:							
Anselmo---------	0-11	5.0-15	5.6-7.3	0	0	0	0
	11-30	5.0-15	6.1-7.8	0	0	0	0
	30-36	5.0-15	6.6-7.8	0-3	0	0	0
	36-60	0.0-10	6.6-7.8	0-3	0	0	0
AmC:							
Anselmo---------	0-11	5.0-15	5.6-7.3	0	0	0	0
	11-30	5.0-15	6.1-7.8	0	0	0	0
	30-36	5.0-15	6.6-7.8	0-3	0	0	0
	36-60	0.0-10	6.6-7.8	0-3	0	0	0
An:							
Anselmo---------	0-6	10-20	5.6-7.3	0	0	0	0
	6-16	5.0-15	6.1-7.8	0	0	0	0
	16-34	5.0-15	6.6-7.8	0-3	0	0	0
	34-60	0.0-10	6.6-7.8	0-3	0	0	0
AnC:							
Anselmo---------	0-6	10-20	5.6-7.3	0	0	0	0
	6-16	5.0-15	6.1-7.8	0	0	0	0
	16-34	5.0-15	6.6-7.8	0-3	0	0	0
	34-60	0.0-10	6.6-7.8	0-3	0	0	0
AnD:							
Anselmo---------	0-6	10-20	5.6-7.3	0	0	0	0
	6-16	5.0-15	6.1-7.8	0	0	0	0
	16-34	5.0-15	6.6-7.8	0-3	0	0	0
	34-60	0.0-10	6.6-7.8	0-3	0	0	0
AuF:							
Anselmo---------	0-6	10-20	5.6-7.3	0	0	0	0
	6-12	5.0-15	6.1-7.8	0	0	0	0
	12-34	5.0-15	6.6-7.8	0-3	0	0	0
	34-60	0.0-10	6.6-7.8	0-3	0	0	0
Longpine--------	0-4	5.0-10	7.4-8.4	2-10	0	0.0-2.0	0-6
	4-12	5.0-10	7.4-8.4	2-15	0	0.0-2.0	0-6
	12-60	---	---	---	---	---	---
BcG:							
Blownout Land---	0-60	0.0-5.0	5.1-7.3	0	0	0	0
Valentine-------	0-4	0.0-6.0	5.6-7.3	0	0	0	0
	4-60	0.0-6.0	5.6-7.3	0	0	0	0
Bm:							
Bolent----------	0-5	2.0-10	7.4-8.4	1-10	0	0	0
	5-60	1.0-10	6.6-8.4	1-10	0	0	0
Bn:							
Bolent----------	0-4	5.0-20	7.4-8.4	1-10	0	0	0
	4-60	1.0-10	6.6-8.4	1-10	0	0	0
Bp:							
Bolent----------	0-4	2.0-10	7.4-8.4	1-10	0	0	0
	4-60	1.0-10	6.6-8.4	1-10	0	0	0
Inglewood-------	0-8	5.0-10	6.6-8.4	1-5	0	0	0
	8-28	0.0-5.0	6.6-8.4	1-5	0	0	0
	28-60	0.0-5.0	6.6-8.4	1-5	0	0	0
BsD:							
Busher----------	0-16	5.0-15	6.1-7.8	0	0	0	0
	16-45	4.0-9.0	6.6-8.4	1-5	0	0	0
	45-60	---	---	---	---	---	---
BvF:							
Busher----------	0-18	5.0-15	6.1-7.8	0	0	0	0
	18-42	4.0-9.0	6.6-8.4	1-5	0	0	0
	42-60	---	---	---	---	---	---
Tassel----------	0-4	1.0-10	7.4-8.4	1-15	0	0	0
	4-15	5.0-35	7.4-8.4	2-15	0	0	0
	15-60	---	---	---	---	---	---

CHEMICAL PROPERTIES OF THE SOILS--Continued
Cherry County, Nebraska

Map symbol and soil name	Depth	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100g	pH	Pct	Pct	mmhos/cm	
Cr:							
Crowther--------	0-2	---	---	---	---	---	---
	2-11	15-50	7.4-8.4	15-40	0	0	0
	11-26	15-30	7.9-8.4	15-40	0	0	0
	26-60	1.0-10	6.6-8.4	0-2	0	0	0
Cs:							
Crowther--------	0-2	---	---	---	---	---	---
	2-11	15-50	7.4-8.4	15-40	0	0	0
	11-35	10-30	7.9-8.4	15-40	0	0	0
	35-60	1.0-10	6.6-8.4	0-2	0	0	0
Cv:							
Cullison--------	0-1	---	---	---	---	---	---
	1-8	15-35	7.4-8.4	15-60	0	0.0-2.0	0-5
	8-24	10-20	7.4-8.4	15-60	0	0.0-2.0	0-2
	24-60	5.0-10	7.4-8.4	15-60	0	0.0-2.0	0-2
Cx:							
Cullison--------	0-2	---	---	---	---	---	---
	2-17	15-35	7.4-8.4	15-60	0	0.0-2.0	0-5
	17-27	10-20	7.4-8.4	15-60	0	0.0-2.0	0-2
	27-60	5.0-10	7.4-8.4	15-60	0	0.0-2.0	0-2
Cy:							
Cutcomb---------	0-14	25-85	5.1-7.3	0	0	0	0
	14-52	25-85	5.1-7.3	0	0	0	0
	52-60	25-85	5.1-7.3	0	0	0	0
DaB:							
Dailey----------	0-17	2.0-10	6.6-7.3	0	0	0	0
	17-60	0.0-5.0	6.6-8.4	0-2	0	0.0-2.0	0
DaD:							
Dailey----------	0-12	2.0-10	6.6-7.3	0	0	0	0
	12-60	0.0-5.0	6.6-8.4	0-2	0	0.0-2.0	0
DfB:							
Doughboy--------	0-14	10-15	7.4-8.4	2-25	0	0.0-2.0	0-5
	14-37	5.0-10	7.4-8.4	15-45	0	0.0-2.0	0-5
	37-60	5.0-10	6.6-8.4	5-45	0	0.0-4.0	0-5
Dg:							
Doughboy--------	0-19	10-20	7.4-8.4	2-25	0	0.0-2.0	0-5
	19-38	5.0-10	7.4-8.4	15-45	0	0.0-2.0	0-5
	38-60	5.0-10	6.6-8.4	5-45	0	0.0-4.0	0-5
DtB:							
Duda----------	0-6	3.0-9.0	6.1-7.3	0	0	0.0-2.0	0
	6-25	2.0-8.0	6.1-7.8	0	0	0.0-2.0	0
	25-60	---	---	---	---	---	---
Fishberry-------	0-5	5.0-10	6.6-8.4	0-5	0	0	0
	5-16	0.0-5.0	7.4-8.4	0-15	0	0	0
	16-60	---	---	---	---	---	---
DuB:							
Dunday----------	0-18	5.0-10	6.1-7.3	0	0	0	0
	18-60	1.0-5.0	6.1-7.8	0	0	0	0
DuD:							
Dunday----------	0-18	5.0-10	6.1-7.3	0	0	0	0
	18-60	1.0-5.0	6.1-7.8	0	0	0	0
Ec:							
Els----------	0-6	0.0-5.0	5.6-7.3	0	0	0	0
	6-35	0.0-5.0	6.1-7.3	0	0	0	0
	35-60	0.0-5.0	6.1-7.8	0	0	0	0
EfB:							
Els----------	0-5	0.0-5.0	5.6-7.3	0	0	0	0
	5-42	0.0-5.0	6.1-7.3	0	0	0	0
	42-60	0.0-5.0	6.1-7.8	0	0	0	0
Ipage----------	0-4	0.0-5.0	5.1-7.3	0	0	0	0
	4-60	0.0-5.0	5.1-7.3	0	0	0	0
Eh:							
Els----------	0-6	0.0-5.0	5.6-7.3	0	0	0	0
	6-18	0.0-5.0	6.1-7.3	0	0	0	0
	18-60	0.0-5.0	6.1-7.8	0	0	0	0
Tryon----------	0-4	10-25	5.6-8.4	0-5	0	0	0
	4-60	1.0-5.0	5.6-7.8	0	0	0	0

CHEMICAL PROPERTIES OF THE SOILS--Continued
Cherry County, Nebraska

Map symbol and soil name	Depth	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100g	pH	Pct	Pct	mmhos/cm	
Em:							
Els----------	0-9	0.0-5.0	7.4-8.4	1-5	0	0.0-2.0	0-6
	9-37	0.0-5.0	7.4-8.4	1-10	0	0.0-2.0	0-6
	37-60	0.0-5.0	7.4-9.0	1-10	0	0.0-2.0	0-6
Hoffland--------	0-1	---	---	---	---	---	---
	1-10	10-35	7.9-8.4	15-40	0	0.0-2.0	0-5
	10-33	0.0-10	6.6-8.4	0-5	0	0	0
	33-60	0.0-10	6.6-7.8	0-5	0	0	0
En:							
Els, Calcareous-	0-5	0.0-5.0	7.4-8.4	1-5	0	0.0-2.0	0-6
	5-40	0.0-5.0	7.4-8.4	1-10	0	0.0-2.0	0-6
	40-60	0.0-5.0	7.4-9.0	1-10	0	0.0-2.0	0-6
Selia----------	0-6	3.0-12	6.6-9.6	0-5	0	0.0-4.0	0-6
	6-14	4.0-12	8.5-9.6	1-5	0	2.0-8.0	15-70
	14-60	0.0-5.0	6.6-9.6	0-5	0	0.0-2.0	0-20
Es:							
Elsmere---------	0-8	5.0-15	5.6-7.3	0	0	0	0
	8-15	0.0-5.0	5.6-7.3	0	0	0	0
	15-60	0.0-5.0	5.6-7.8	0	0	0	0
Et:							
Elsmere---------	0-8	5.0-15	7.4-8.4	1-5	0	0.0-2.0	0-6
	8-14	0.0-5.0	7.4-8.4	1-10	0	0.0-2.0	0-6
	14-60	0.0-5.0	7.4-9.0	1-10	0	0.0-2.0	0-6
Ew:							
Elsmere---------	0-16	5.0-15	5.6-7.3	0	0	0	0
	16-27	0.0-5.0	5.6-7.3	0	0	0	0
	27-60	0.0-5.0	5.6-7.8	0	0	0	0
Loup----------	0-7	5.0-20	5.6-7.8	0	0	0	0
	7-60	0.0-5.0	5.6-7.3	0	0	0	0
FbC:							
Fishberry-------	0-4	5.0-10	6.6-8.4	0-5	0	0	0
	4-15	0.0-5.0	7.4-8.4	0-15	0	0	0
	15-60	---	---	---	---	---	---
FcF:							
Fishberry-------	0-5	5.0-10	6.6-8.4	0-5	0	0	0
	5-12	0.0-5.0	7.4-8.4	0-15	0	0	0
	12-60	---	---	---	---	---	---
Duda----------	0-4	3.0-9.0	6.1-7.3	0	0	0.0-2.0	0
	4-24	2.0-8.0	6.1-7.8	0	0	0.0-2.0	0
	24-60	---	---	---	---	---	---
FdG:							
Fishberry-------	0-5	5.0-10	6.6-8.4	0-5	0	0	0
	5-12	0.0-5.0	7.4-8.4	0-15	0	0	0
	12-60	---	---	---	---	---	---
Rock Outcrop----	0-60	---	---	---	---	0	---
Fe:							
Fluvaquents, Sandy----------	0-2	---	---	---	---	---	---
	2-60	1.0-20	6.6-8.4	0-5	0	0.0-2.0	0
Ga:							
Gannett---------	0-10	15-40	5.6-7.8	0-10	0	0	0
	10-22	2.0-15	5.6-7.3	0	0	0	0
	22-60	1.0-10	5.6-7.3	0	0	0	0
Gb:							
Gannett---------	0-2	---	---	---	---	---	---
	2-10	15-40	5.6-7.8	0-5	0	0	0
	10-32	2.0-15	5.6-7.3	0	0	0	0
	32-60	1.0-10	5.6-7.3	0	0	0	0
Gc:							
Gus----------	0-1	---	---	---	---	---	---
	1-6	20-60	6.1-7.8	0	0	0	0
	6-28	20-60	6.1-7.8	0	0	0	0
	28-60	15-30	6.1-7.8	0	0	0	0
Gf:							
Gus----------	0-3	20-60	6.1-7.8	0	0	0	0
	3-34	20-60	6.1-7.8	0	0	0	0
	34-60	15-30	6.1-7.8	0	0	0	0

CHEMICAL PROPERTIES OF THE SOILS--Continued
Cherry County, Nebraska

Map symbol and soil name	Depth	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100g	pH	Pct	Pct	mmhos/cm	
He:							
Hennings--------	0-7	5.0-15	5.6-7.3	0	0	0	0
	7-27	15-25	6.6-7.8	0	0	0	0
	27-36	10-20	7.4-8.4	1-10	0	0.0-2.0	0-5
	36-55	5.0-15	7.9-9.0	1-10	0	0.0-2.0	0-5
	55-60	---	---	---	---	---	---
HeC:							
Hennings--------	0-7	5.0-15	5.6-7.3	0	0	0	0
	7-27	15-25	6.6-7.8	0	0	0	0
	27-36	10-20	7.4-8.4	1-10	0	0.0-2.0	0-5
	36-55	5.0-15	7.9-9.0	1-10	0	0.0-2.0	0-5
	55-60	---	---	---	---	---	---
HeD:							
Hennings--------	0-7	5.0-15	5.6-7.3	0	0	0	0
	7-27	15-25	6.6-7.8	0	0	0	0
	27-36	10-20	7.4-8.4	1-10	0	0.0-2.0	0-5
	36-55	5.0-15	7.9-9.0	1-10	0	0.0-2.0	0-5
	55-60	---	---	---	---	---	---
HgE:							
Hennings--------	0-8	5.0-15	5.6-7.3	0	0	0	0
	8-22	15-25	6.6-7.8	0	0	0	0
	22-26	10-20	7.4-8.4	1-10	0	0.0-2.0	0-5
	26-42	5.0-15	7.9-9.0	1-10	0	0.0-2.0	0-5
	42-60	---	---	---	---	---	---
Anselmo---------	0-10	10-20	5.6-7.3	0	0	0	0
	10-18	5.0-15	6.1-7.8	0	0	0	0
	18-26	5.0-15	6.6-7.8	0-3	0	0	0
	26-60	0.0-10	6.6-7.8	0-3	0	0	0
Hr:							
Hoffland--------	0-9	10-35	7.9-8.4	15-40	0	0.0-2.0	0-5
	9-30	0.0-10	6.6-8.4	0-5	0	0	0
	30-60	0.0-10	6.6-7.8	0-5	0	0	0
Hs:							
Hoffland--------	0-2	---	---	---	---	---	---
	2-11	10-35	7.9-8.4	15-40	0	0.0-2.0	0-5
	11-22	0.0-10	6.6-8.4	0-5	0	0	0
	22-60	0.0-10	6.6-7.8	0-5	0	0	0
Ht:							
Holt----------	0-16	5.0-15	6.1-7.8	0	0	0.0-2.0	0
	16-27	10-20	6.6-7.8	0	0	0.0-2.0	0
	27-36	5.0-15	6.6-8.4	0-5	0	0.0-2.0	0-9
	36-60	---	---	---	---	---	---
HuC:							
Holt----------	0-10	5.0-15	6.1-7.8	0	0	0.0-2.0	0
	10-21	10-20	6.6-7.8	0	0	0.0-2.0	0
	21-30	5.0-15	6.6-8.4	0-5	0	0.0-2.0	0-9
	30-60	---	---	---	---	---	---
Longpine--------	0-5	5.0-10	7.4-8.4	2-10	0	0.0-2.0	0-6
	5-16	5.0-10	7.4-8.4	2-15	0	0.0-2.0	0-6
	16-60	---	---	---	---	---	---
HuD:							
Holt----------	0-7	5.0-15	6.1-7.8	0	0	0.0-2.0	0
	7-19	10-20	6.6-7.8	0	0	0.0-2.0	0
	19-30	5.0-15	6.6-8.4	0-5	0	0.0-2.0	0-9
	30-60	---	---	---	---	---	---
Longpine--------	0-7	5.0-10	7.4-8.4	2-10	0	0.0-2.0	0-6
	7-13	5.0-10	7.4-8.4	2-15	0	0.0-2.0	0-6
	13-60	---	---	---	---	---	---
HyC:							
Holt----------	0-7	5.0-15	6.1-7.8	0	0	0.0-2.0	0
	7-20	10-20	6.6-7.8	0	0	0.0-2.0	0
	20-27	5.0-15	6.6-8.4	0-5	0	0.0-2.0	0-9
	27-60	---	---	---	---	---	---
Vetal----------	0-6	10-22	5.6-7.8	0	0	0	0
	6-40	10-22	6.1-7.8	0	0	0	0
	40-50	9.0-19	6.1-8.4	0-5	0	0	0
	50-60	7.0-17	6.1-8.4	0-5	0	0	0
Ic:							
Calamus---------	0-4	0.0-5.0	6.6-8.4	1-5	0	0	0
	4-30	0.0-5.0	6.6-8.4	1-5	0	0	0
	30-60	0.0-5.0	6.6-8.4	1-5	0	0	0

CHEMICAL PROPERTIES OF THE SOILS--Continued
Cherry County, Nebraska

Map symbol and soil name	Depth	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100g	pH	Pct	Pct	mmhos/cm	
Id:							
Calamus---------	0-9	5.0-10	6.6-8.4	1-5	0	0	0
	9-38	0.0-5.0	6.6-8.4	1-5	0	0	0
	38-60	0.0-5.0	6.6-8.4	1-5	0	0	0
IgB:							
Ipage----------	0-9	0.0-5.0	5.1-7.3	0	0	0	0
	9-60	0.0-5.0	5.1-7.3	0	0	0	0
IhB:							
Ipage----------	0-8	0.0-5.0	6.6-8.4	0-5	0	0.0-2.0	0
	8-60	0.0-5.0	6.6-8.4	1-5	0	0.0-2.0	0
IpB:							
Ipage----------	0-11	5.0-10	5.1-7.3	0	0	0	0
	11-60	0.0-5.0	5.1-7.3	0	0	0	0
ItB:							
Ipage----------	0-8	0.0-5.0	5.1-7.3	0	0	0	0
	8-60	0.0-5.0	5.1-7.3	0	0	0	0
Tryon----------	0-6	10-25	5.6-8.4	0-5	0	0	0
	6-60	1.0-5.0	5.6-7.8	0	0	0	0
Jn:							
Jansen----------	0-6	5.0-15	5.1-7.3	0	0	0	0
	6-35	12-25	5.1-7.3	0	0	0	0
	35-60	0.0-2.0	5.1-7.3	0	0	0	0
Ke:							
Keya----------	0-22	16-22	6.1-7.3	0	0	0.0-2.0	0
	22-42	17-26	6.6-7.8	0-1	0	0.0-2.0	0
	42-60	7.0-21	7.4-8.4	0-5	0	0.0-2.0	0
LfB:							
Libory----------	0-10	2.0-12	5.6-7.3	0	0	0	0
	10-22	1.0-9.0	5.6-7.3	0	0	0	0
	22-60	10-22	5.6-7.8	0	0	0	0
Lh:							
Lodgepole-------	0-6	15-25	6.1-7.8	0	0	0	0
	6-41	25-40	6.1-7.8	0	0	0	0
	41-60	5.0-20	6.6-8.4	0-5	0	0	0
Lo:							
Loup----------	0-8	5.0-20	5.6-7.8	0	0	0	0
	8-60	0.0-5.0	5.6-7.3	0	0	0	0
Lp:							
Loup----------	0-3	---	---	---	---	---	---
	3-14	5.0-20	5.6-7.8	0	0	0	0
	14-60	0.0-5.0	5.6-7.3	0	0	0	0
Ma:							
Marlake---------	0-2	---	---	---	---	---	---
	2-9	10-20	6.1-8.4	0-5	0	0	0
	9-16	0.0-10	6.1-7.8	0	0	0	0
	16-60	0.0-5.0	6.1-7.3	0	0	0	0
McB:							
Mckelvie--------	0-6	5.0-10	6.1-7.8	0	0	0	0
	6-36	1.0-8.0	6.1-7.8	0	0	0	0
	36-60	1.0-8.0	7.4-8.4	1-5	0	0	0
McD:							
Mckelvie--------	0-6	5.0-10	6.1-7.8	0	0	0	0
	6-36	1.0-8.0	6.1-7.8	0	0	0	0
	36-60	1.0-8.0	7.4-8.4	1-5	0	0	0
McF:							
Mckelvie--------	0-6	5.0-10	6.1-7.8	0	0	0	0
	6-36	1.0-8.0	6.1-7.8	0	0	0	0
	36-60	1.0-8.0	7.4-8.4	1-5	0	0	0
MdF:							
Mckelvie--------	0-6	5.0-10	6.1-7.8	0	0	0	0
	6-36	1.0-8.0	6.1-7.8	0	0	0	0
	36-60	1.0-8.0	7.4-8.4	1-5	0	0	0
Fishberry-------	0-5	5.0-10	6.6-8.4	0-5	0	0	0
	5-16	0.0-5.0	7.4-8.4	0-15	0	0	0
	16-60	---	---	---	---	---	---

CHEMICAL PROPERTIES OF THE SOILS--Continued
Cherry County, Nebraska

Map symbol and soil name	Depth	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100g	pH	Pct	Pct	mmhos/cm	
MeG:							
Mckelvie--------	0-6	5.0-10	6.1-7.8	0	0	0	0
	6-36	1.0-8.0	6.1-7.8	0	0	0	0
	36-60	1.0-8.0	7.4-8.4	1-5	0	0	0
Fishberry-------	0-5	5.0-10	6.6-8.4	0-5	0	0	0
	5-15	0.0-5.0	7.4-8.4	0-15	0	0	0
	15-60	---	---	---	---	---	---
MfG:							
Mckelvie--------	0-6	5.0-10	6.1-7.8	0	0	0	0
	6-36	1.0-8.0	6.1-7.8	0	0	0	0
	36-60	1.0-8.0	7.4-8.4	1-5	0	0	0
Rock Outcrop----	0-60	---	---	---	---	0	---
MgG:							
Mckelvie--------	0-6	1.0-5.0	6.1-7.8	0	0	0	0
	6-36	1.0-8.0	6.1-7.8	0	0	0	0
	36-60	1.0-8.0	7.4-8.4	1-5	0	0	0
Ustorthents-----	0-11	5.0-10	6.1-7.8	0	0	0	0
	11-60	5.0-16	6.1-7.8	0	0	0	0
MxB:							
Meadin----------	0-5	10-20	5.1-7.3	0	0	0	0
	5-14	5.0-15	5.1-7.3	0	0	0	0
	14-60	0.0-5.0	6.1-7.3	0	0	0	0
MxF:							
Meadin----------	0-6	10-20	5.1-7.3	0	0	0	0
	6-11	5.0-15	5.1-7.3	0	0	0	0
	11-60	0.0-5.0	6.1-7.3	0	0	0	0
Mz:							
Medihemists-----	0-8	60-150	5.6-7.3	0	0	0.0-2.0	0
	8-27	60-150	5.6-7.3	0	0	0.0-2.0	0
	27-36	0.0-10	5.6-7.3	0	0	0	0
	36-60	60-150	5.6-7.3	0	0	0	0
NeB:							
Nenzel----------	0-18	5.0-10	6.1-7.3	0	0	0	0
	18-33	0.0-10	6.1-7.3	0	0	0	0
	33-60	0.0-5.0	6.6-7.8	0	0	0	0
NfB:							
Nenzel----------	0-14	5.0-10	7.4-8.4	1-15	0	0.0-2.0	0
	14-21	0.0-10	7.4-8.4	1-15	0	0.0-2.0	0-6
	21-60	0.0-5.0	7.4-9.0	1-10	0	0.0-2.0	6-9
Or:							
Ord----------	0-14	10-20	7.4-8.4	5-40	0	0.0-2.0	0-2
	14-34	5.0-15	6.6-8.4	0-5	0	0.0-2.0	0-2
	34-60	0.0-10	6.6-8.4	0-5	0	0	0
OsD:							
Orpha-----------	0-5	2.0-6.0	6.6-7.8	4-7	0	0	0
	5-44	1.0-4.0	6.6-7.8	2-6	0	0	0
	44-60	1.0-3.0	6.6-8.4	0-10	0	0	0
OtF:							
Orpha-----------	0-8	2.0-6.0	6.6-7.8	4-7	0	0	0
	8-14	1.0-4.0	6.6-7.8	2-6	0	0	0
	14-60	1.0-3.0	6.6-8.4	0-10	0	0	0
Niobrara--------	0-6	5.0-10	7.4-8.4	0-5	0	0	0
	6-13	5.0-10	7.4-8.4	0-15	0	0	0
	13-60	---	---	---	---	---	---
OxG:							
Orpha-----------	0-6	2.0-6.0	6.6-7.8	4-7	0	0	0
	6-26	1.0-4.0	6.6-7.8	2-6	0	0	0
	26-60	1.0-3.0	6.6-8.4	0-10	0	0	0
Rock Outcrop----	0-60	---	---	---	---	0	---
PtB:							
Pivot-----------	0-5	3.0-10	5.6-7.3	0	0	0	0
	5-11	1.0-8.0	5.6-7.3	0	0	0	0
	11-28	1.0-6.0	5.6-7.3	0	0	0	0
	28-60	1.0-6.0	5.6-7.3	0	0	0	0
SfB:							
Sandose---------	0-10	1.0-9.0	5.6-7.3	0	0	0	0
	10-32	1.0-8.0	6.1-7.3	0	0	0	0
	32-48	13-27	6.6-7.8	0-5	0	0	0
	48-60	3.0-15	6.6-8.4	0-10	0	0	0

CHEMICAL PROPERTIES OF THE SOILS--Continued
Cherry County, Nebraska

Map symbol and soil name	Depth	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100g	pH	Pct	Pct	mmhos/cm	
ShB:							
Sandose---------	0-16	1.0-9.0	5.6-7.3	0	0	0	0
	16-30	1.0-8.0	6.1-7.3	0	0	0	0
	30-48	13-27	6.6-7.8	0-5	0	0	0
	48-60	3.0-15	6.6-8.4	0-10	0	0	0
Hennings--------	0-17	5.0-10	5.6-7.3	0	0	0	0
	17-29	15-25	6.6-7.8	0	0	0	0
	29-35	10-20	7.4-8.4	1-10	0	0.0-2.0	0-5
	35-55	5.0-15	7.9-9.0	1-10	0	0.0-2.0	0-5
	55-60	---	---	---	---	---	---
ShC:							
Sandose---------	0-16	1.0-9.0	5.6-7.3	0	0	0	0
	16-30	1.0-8.0	6.1-7.3	0	0	0	0
	30-48	13-27	6.6-7.8	0-5	0	0	0
	48-60	3.0-15	6.6-8.4	0-10	0	0	0
Hennings--------	0-17	5.0-10	5.6-7.3	0	0	0	0
	17-29	15-25	6.6-7.8	0	0	0	0
	29-35	10-20	7.4-8.4	1-10	0	0.0-2.0	0-5
	35-55	5.0-15	7.9-9.0	1-10	0	0.0-2.0	0-5
	55-60	---	---	---	---	---	---
ShD:							
Sandose---------	0-16	1.0-9.0	5.6-7.3	0	0	0	0
	16-30	1.0-8.0	6.1-7.3	0	0	0	0
	30-48	13-27	6.6-7.8	0-5	0	0	0
	48-60	3.0-15	6.6-8.4	0-10	0	0	0
Hennings--------	0-17	5.0-10	5.6-7.3	0	0	0	0
	17-29	15-25	6.6-7.8	0	0	0	0
	29-35	10-20	7.4-8.4	1-10	0	0.0-2.0	0-5
	35-55	5.0-15	7.9-9.0	1-10	0	0.0-2.0	0-5
	55-60	---	---	---	---	---	---
SnB:							
Satanta---------	0-10	5.0-15	6.1-7.8	0	0	0	0
	10-24	15-30	6.6-8.4	0-10	0	0	0
	24-50	5.0-10	7.4-8.4	2-15	0	0	0
	50-60	0.0-10	7.4-8.4	2-10	0	0	0
SoB:							
Simeon----------	0-5	0.0-5.0	6.1-7.8	0	0	0	0
	5-60	0.0-5.0	6.1-7.8	0	0	0	0
SvD:							
Simeon----------	0-5	0.0-5.0	6.1-7.8	0	0	0	0
	5-60	0.0-5.0	6.1-7.8	0	0	0	0
Valentine-------	0-5	0.0-6.0	5.6-7.3	0	0	0	0
	5-60	0.0-6.0	5.6-7.3	0	0	0	0
SvF:							
Simeon----------	0-6	0.0-5.0	6.1-7.8	0	0	0	0
	6-60	0.0-5.0	6.1-7.8	0	0	0	0
Valentine-------	0-6	0.0-6.0	5.6-7.3	0	0	0	0
	6-60	0.0-6.0	5.6-7.3	0	0	0	0
Tn:							
Tryon-----------	0-4	10-25	5.6-8.4	0-5	0	0	0
	4-60	1.0-5.0	5.6-7.8	0	0	0	0
To:							
Tryon-----------	0-2	---	---	---	---	---	---
	2-7	10-25	5.6-8.4	0-5	0	0	0
	7-60	1.0-5.0	5.6-7.8	0	0	0	0
TwC:							
Tuthill---------	0-8	15-25	6.1-7.8	0	0	0.0-2.0	0
	8-23	20-30	6.1-7.8	0	0	0.0-2.0	0
	23-50	10-15	7.4-8.4	0-5	0	0.0-2.0	0
	50-60	5.0-15	7.4-8.4	0-5	0	0.0-2.0	0
TwD:							
Tuthill---------	0-8	15-25	6.1-7.8	0	0	0.0-2.0	0
	8-23	20-30	6.1-7.8	0	0	0.0-2.0	0
	23-50	10-15	7.4-8.4	0-5	0	0.0-2.0	0
	50-60	5.0-15	7.4-8.4	0-5	0	0.0-2.0	0
VcB:							
Valent----------	0-5	0.0-5.0	6.6-7.8	0	0	0	0
	5-60	0.0-5.0	6.6-7.8	0	0	0	0
VcD:							
Valent----------	0-6	0.0-5.0	6.6-7.8	0	0	0	0
	6-60	0.0-5.0	6.6-7.8	0	0	0	0

CHEMICAL PROPERTIES OF THE SOILS--Continued
Cherry County, Nebraska

Map symbol and soil name	Depth	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100g	pH	Pct	Pct	mmhos/cm	
VcE:							
Valent----------	0-5	0.0-5.0	6.6-7.8	0	0	0	0
	5-60	0.0-5.0	6.6-7.8	0	0	0	0
VcF:							
Valent----------	0-5	0.0-5.0	6.6-7.8	0	0	0	0
	5-60	0.0-5.0	6.6-7.8	0	0	0	0
Valent----------	0-4	0.0-5.0	6.6-7.8	0	0	0	0
	4-40	0.0-5.0	6.6-7.8	0	0	0	0
	40-60	0.0-5.0	6.6-7.8	0-5	0	0	0
VcG:							
Valent----------	0-4	0.0-5.0	6.6-7.8	0	0	0	0
	4-60	0.0-5.0	6.6-7.8	0	0	0	0
VdD:							
Valent----------	0-6	3.0-10	6.6-7.8	0	0	0	0
	6-60	0.0-5.0	6.6-7.8	0	0	0	0
VgD:							
Valent----------	0-4	0.0-5.0	6.6-7.8	0	0	0	0
	4-60	0.0-5.0	6.6-7.8	0	0	0	0
Els----------	0-8	0.0-5.0	5.6-7.3	0	0	0	0
	8-17	0.0-5.0	6.1-7.3	0	0	0	0
	17-60	0.0-5.0	6.1-7.8	0	0	0	0
VhF:							
Valent----------	0-3	0.0-5.0	6.6-7.8	0	0	0	0
	3-60	0.0-5.0	6.6-7.8	0	0	0	0
Tryon----------	0-8	5.0-10	5.6-8.4	0-5	0	0	0
	8-19	1.0-5.0	5.6-7.8	0	0	0	0
	19-60	0.0-5.0	5.6-7.8	0	0	0	0
VkB:							
Valentine-------	0-5	0.0-6.0	5.6-7.3	0	0	0	0
	5-60	0.0-6.0	5.6-7.3	0	0	0	0
VkD:							
Valentine-------	0-5	0.0-6.0	5.6-7.3	0	0	0	0
	5-60	0.0-6.0	5.6-7.3	0	0	0	0
VkE:							
Valentine-------	0-5	0.0-6.0	5.6-7.3	0	0	0	0
	5-60	0.0-6.0	5.6-7.3	0	0	0	0
VkF:							
Valentine-------	0-5	0.0-6.0	5.6-7.3	0	0	0	0
	5-60	0.0-6.0	5.6-7.3	0	0	0	0
Valentine-------	0-4	0.0-6.0	5.6-7.3	0	0	0	0
	4-60	0.0-6.0	5.6-7.3	0	0	0	0
VkG:							
Valentine-------	0-4	0.0-6.0	5.6-7.3	0	0	0	0
	4-60	0.0-6.0	5.6-7.3	0	0	0	0
VmB:							
Valentine-------	0-8	2.0-8.0	5.6-7.3	0	0	0	0
	8-60	0.0-6.0	5.6-7.3	0	0	0	0
VmD:							
Valentine-------	0-8	2.0-8.0	5.6-7.3	0	0	0	0
	8-60	0.0-6.0	5.6-7.3	0	0	0	0
VnD:							
Valentine-------	0-8	0.0-6.0	5.6-7.3	0	0	0	0
	8-60	0.0-6.0	5.6-7.3	0	0	0	0
Duda----------	0-8	3.0-9.0	6.1-7.3	0	0	0.0-2.0	0
	8-36	2.0-8.0	6.1-7.8	0	0	0.0-2.0	0
	36-60	---	---	---	---	---	---
VnF:							
Valentine-------	0-5	0.0-6.0	5.6-7.3	0	0	0	0
	5-60	0.0-6.0	5.6-7.3	0	0	0	0
Duda----------	0-8	3.0-9.0	6.1-7.3	0	0	0.0-2.0	0
	8-27	2.0-8.0	6.1-7.8	0	0	0.0-2.0	0
	27-60	---	---	---	---	---	---
VoD:							
Valentine-------	0-8	0.0-6.0	5.6-7.3	0	0	0	0
	8-60	0.0-6.0	5.6-7.3	0	0	0	0
Els----------	0-6	0.0-5.0	5.6-7.3	0	0	0	0
	6-16	0.0-5.0	6.1-7.3	0	0	0	0
	16-60	0.0-5.0	6.1-7.8	0	0	0	0

CHEMICAL PROPERTIES OF THE SOILS--Continued
Cherry County, Nebraska

Map symbol and soil name	Depth	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100g	pH	Pct	Pct	mmhos/cm	
VpD:							
Valentine-------	0-4	0.0-6.0	5.6-7.3	0	0	0	0
	4-60	0.0-6.0	5.6-7.3	0	0	0	0
Libory----------	0-10	2.0-12	5.6-7.3	0	0	0	0
	10-28	1.0-9.0	5.6-7.3	0	0	0	0
	28-60	10-22	5.6-7.8	0	0	0	0
VsD:							
Valentine-------	0-6	0.0-6.0	5.6-7.3	0	0	0	0
	6-60	0.0-6.0	5.6-7.3	0	0	0	0
Sandose---------	0-11	1.0-9.0	5.6-7.3	0	0	0	0
	11-22	1.0-8.0	6.1-7.3	0	0	0	0
	22-41	13-27	6.6-7.8	0-5	0	0	0
	41-60	3.0-15	6.6-8.4	0-10	0	0	0
VwF:							
Valentine-------	0-6	0.0-6.0	5.6-7.3	0	0	0	0
	6-60	0.0-6.0	5.6-7.3	0	0	0	0
Tryon-----------	0-7	5.0-10	5.6-8.4	0-5	0	0	0
	7-60	1.0-5.0	5.6-7.8	0	0	0	0
VyB:							
Vetal-----------	0-6	5.0-10	6.6-7.8	0	0	0.0-2.0	0
	6-25	8.0-13	6.6-7.8	0	0	0.0-2.0	0
	25-42	8.0-13	7.4-8.4	0-5	0	0.0-2.0	0
	42-60	4.0-7.0	7.4-8.4	0-5	0	0.0-2.0	0
Vz:							
Vetal-----------	0-7	10-22	5.6-7.8	0	0	0	0
	7-23	10-22	6.1-7.8	0	0	0	0
	23-48	9.0-19	6.1-8.4	0-5	0	0	0
	48-60	7.0-17	6.1-8.4	0-5	0	0	0
W:							
Water-----------	---	---	---	---	---	---	---
WeB:							
Wildhorse-------	0-3	1.0-10	8.5-9.9	1-5	0	0.0-8.0	6-105
	3-60	1.0-10	8.5-9.6	1-10	0	0.0-4.0	6-80

WATER FEATURES
Cherry County, Nebraska

The Water Features table gives estimates of various water features. The estimates are used in land use planning that involves engineering considerations. Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The four hydrologic soil groups are:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

The months in the table indicate the portion of the year in which the feature is most likely to be a concern.

Water table refers to a saturated zone in the soil. The Water Features table indicates, by month, depth to the top (upper limit) and base (lower limit) of the saturated zone in most years. Estimates of the upper and lower limits are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors or mottles (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table. Ponding is standing water in a closed depression. Unless a drainage system is installed, the water is removed only by percolation, transpiration, or evaporation. The Water Features table indicates surface water depth and the duration and frequency of ponding. Duration is expressed as very brief if less than 2 days, brief if 2 to 7 days, long if 7 to 30 days, and very long if more than 30 days. Frequency is expressed as none, rare, occasional, and frequent. None means that ponding is not probable; rare that it is unlikely but possible under unusual weather conditions (the chance of ponding is nearly 0 percent to 5 percent in any year); occasional that it occurs, on the average, once or less in 2 years (the chance of ponding is 5 to 50 percent in any year); and frequent that it occurs, on the average, more than once in 2 years (the chance of ponding is more than 50 percent in any year).

Flooding, the temporary inundation of an area, is caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

Duration and frequency are estimated. Duration is expressed as extremely brief if 0.1 hour to 4 hours, very brief if 4 hours to 2 days, brief if 2 to 7 days, long if 7 to 30 days, and very long if more than 30 days. Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent. None means that flooding is not probable; very rare that it is very unlikely but possible under extremely unusual weather conditions (the chance of flooding is less than 1 percent in any year); rare that it is unlikely but possible under unusual weather conditions (the chance of flooding is 1 to 5 percent in any year); occasional that it occurs infrequently under normal weather conditions (the chance of flooding is 5 to 50 percent in any year); frequent that it is likely to occur often under normal weather conditions (the chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year); and very frequent that it is likely to occur very often under normal weather conditions (the chance of flooding is more than 50 percent in all months of any year).

The information is based on evidence in the soil profile, namely thin strata of gravel, sand, silt, or clay deposited by floodwater; irregular decrease in organic matter content with increasing depth; and little or no horizon development.

Also considered are local information about the extent and levels of flooding and the relation of each soil on the landscape to historic floods. Information on the extent of flooding based on soil data is less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

WATER FEATURES--Continued
Cherry County, Nebraska

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
Ad:									
Almeria----------	D								
		January	0.0	>6.0	0.0-1.0	Long	---	---	None
		February	0.0	>6.0	0.0-1.0	Long	---	Brief	Frequent
		March	0.0	>6.0	0.0-1.0	Long	---	Brief	Frequent
		April	0.0	>6.0	0.0-1.0	Long	---	Brief	Frequent
		May	0.0	>6.0	0.0-1.0	Long	---	Brief	Frequent
		June	0.0	>6.0	0.0-1.0	Long	---	Brief	Frequent
		July	---	---	---	---	---	Brief	Frequent
		November	0.0	>6.0	0.0-1.0	Long	---	---	None
		December	0.0	>6.0	0.0-1.0	Long	---	---	None
Ae:									
Almeria----------	D								
		January	0.0-1.5	>6.0	---	---	---	---	None
		February	0.0-1.5	>6.0	---	---	---	Brief	Occasional
		March	0.0-1.5	>6.0	---	---	---	Brief	Occasional
		April	0.0-1.5	>6.0	---	---	---	Brief	Occasional
		May	0.0-1.5	>6.0	---	---	---	Brief	Occasional
		June	0.0-1.5	>6.0	---	---	---	Brief	Occasional
		July	---	---	---	---	---	Brief	Occasional
		November	0.0-1.5	>6.0	---	---	---	---	None
		December	0.0-1.5	>6.0	---	---	---	---	None
Af:									
Almeria----------	D								
		January	0.0	>6.0	0.0-1.0	Long	---	---	None
		February	0.0	>6.0	0.0-1.0	Long	---	Brief	Occasional
		March	0.0	>6.0	0.0-1.0	Long	---	Brief	Occasional
		April	0.0	>6.0	0.0-1.0	Long	---	Brief	Occasional
		May	0.0	>6.0	0.0-1.0	Long	---	Brief	Occasional
		June	0.0	>6.0	0.0-1.0	Long	---	Brief	Occasional
		July	---	---	---	---	---	Brief	Occasional
		November	0.0	>6.0	0.0-1.0	Long	---	---	None
		December	0.0	>6.0	0.0-1.0	Long	---	---	None
AmB:									
Anselmo----------	B								
			---	---	---	---	---	---	---
AmC:									
Anselmo----------	B								
			---	---	---	---	---	---	---
An:									
Anselmo----------	B								
			---	---	---	---	---	---	---
AnC:									
Anselmo----------	B								
			---	---	---	---	---	---	---
AnD:									
Anselmo----------	B								
			---	---	---	---	---	---	---
AuF:									
Anselmo----------	B								
			---	---	---	---	---	---	---
Longpine----------	D								
			---	---	---	---	---	---	---
BcG:									
Blownout Land----------	A								
			---	---	---	---	---	---	---
Valentine----------	A								
			---	---	---	---	---	---	---
Bm:									
Bolent----------	A								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	Brief	Occasional
		April	1.5-3.0	>6.0	---	---	---	Brief	Occasional
		May	1.5-3.0	>6.0	---	---	---	Brief	Occasional
		June	---	---	---	---	---	Brief	Occasional
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None
Bn:									
Bolent----------	A								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	---	None
		April	1.5-3.0	>6.0	---	---	---	---	None
		May	1.5-3.0	>6.0	---	---	---	---	None
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None
Bp:									

WATER FEATURES--Continued
Cherry County, Nebraska

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
Bolent----------	A								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	Brief	Occasional
		April	1.5-3.0	>6.0	---	---	---	Brief	Occasional
		May	1.5-3.0	>6.0	---	---	---	Brief	Occasional
		June	---	---	---	---	---	Brief	Occasional
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None
Inglewood----------	A								
		January	3.0-6.0	>6.0	---	---	---	---	None
		February	3.0-6.0	>6.0	---	---	---	---	None
		March	3.0-6.0	>6.0	---	---	---	---	None
		April	3.0-6.0	>6.0	---	---	---	---	None
		May	3.0-6.0	>6.0	---	---	---	---	None
		June	3.0-6.0	>6.0	---	---	---	---	None
		July	3.0-6.0	>6.0	---	---	---	---	None
		November	3.0-6.0	>6.0	---	---	---	---	None
		December	3.0-6.0	>6.0	---	---	---	---	None
BsD:									
Busher----------	B								
			---	---	---	---	---	---	---
BvF:									
Busher----------	B								
			---	---	---	---	---	---	---
Tassel----------	D								
			---	---	---	---	---	---	---
Cr:									
Crowther----------	D								
		January	0.0-1.5	>6.0	---	---	---	---	None
		February	0.0-1.5	>6.0	---	---	---	---	None
		March	0.0-1.5	>6.0	---	---	---	---	None
		April	0.0-1.5	>6.0	---	---	---	---	None
		May	0.0-1.5	>6.0	---	---	---	---	None
		November	0.0-1.5	>6.0	---	---	---	---	None
		December	0.0-1.5	>6.0	---	---	---	---	None
Cs:									
Crowther----------	D								
		January	0.0	>6.0	0.0-1.0	Long	---	---	None
		February	0.0	>6.0	0.0-1.0	Long	---	---	None
		March	0.0	>6.0	0.0-1.0	Long	---	---	None
		April	0.0	>6.0	0.0-1.0	Long	---	---	None
		May	0.0	>6.0	0.0-1.0	Long	---	---	None
		June	0.0	>6.0	0.0-1.0	Long	---	---	None
		November	0.0	>6.0	0.0-1.0	Long	---	---	None
		December	0.0	>6.0	0.0-1.0	Long	---	---	None
Cv:									
Cullison----------	D								
		January	0.0-1.5	>6.0	---	---	---	---	None
		February	0.0-1.5	>6.0	---	---	---	---	None
		March	0.0-1.5	>6.0	---	---	---	---	None
		April	0.0-1.5	>6.0	---	---	---	---	None
		May	0.0-1.5	>6.0	---	---	---	---	None
		November	0.0-1.5	>6.0	---	---	---	---	None
		December	0.0-1.5	>6.0	---	---	---	---	None
Cx:									
Cullison----------	D								
		January	0.0	>6.0	0.0-1.0	Long	---	---	None
		February	0.0	>6.0	0.0-1.0	Long	---	---	None
		March	0.0	>6.0	0.0-1.0	Long	---	---	None
		April	0.0	>6.0	0.0-1.0	Long	---	---	None
		May	0.0	>6.0	0.0-1.0	Long	---	---	None
		June	0.0	>6.0	0.0-1.0	Long	---	---	None
		November	0.0	>6.0	0.0-1.0	Long	---	---	None
		December	0.0	>6.0	0.0-1.0	Long	---	---	None
Cy:									
Cutcomb----------	D								
		January	0.0	>6.0	0.0-1.0	Long	---	---	None
		February	0.0	>6.0	0.0-1.0	Long	---	---	None
		March	0.0	>6.0	0.0-1.0	Long	---	---	None
		April	0.0	>6.0	0.0-1.0	Long	---	---	None
		May	0.0	>6.0	0.0-1.0	Long	---	---	None
		June	0.0	>6.0	0.0-1.0	Long	---	---	None
		November	0.0	>6.0	0.0-1.0	Long	---	---	None
		December	0.0	>6.0	0.0-1.0	Long	---	---	None
DaB:									
Dailey----------	A								
			---	---	---	---	---	---	---
DaD:									
Dailey----------	A								
			---	---	---	---	---	---	---
DfB:									

WATER FEATURES--Continued
Cherry County, Nebraska

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
Doughboy----------	B								
		January	3.0-6.0	>6.0	---	---	---	---	None
		February	3.0-6.0	>6.0	---	---	---	---	None
		March	3.0-6.0	>6.0	---	---	---	---	None
		April	3.0-6.0	>6.0	---	---	---	---	None
		May	3.0-6.0	>6.0	---	---	---	---	None
		June	3.0-6.0	>6.0	---	---	---	---	None
		November	3.0-6.0	>6.0	---	---	---	---	None
		December	3.0-6.0	>6.0	---	---	---	---	None
Dg:									
Doughboy----------	B								
		January	3.0-6.0	>6.0	---	---	---	---	None
		February	3.0-6.0	>6.0	---	---	---	---	None
		March	3.0-6.0	>6.0	---	---	---	---	None
		April	3.0-6.0	>6.0	---	---	---	---	None
		May	3.0-6.0	>6.0	---	---	---	---	None
		June	3.0-6.0	>6.0	---	---	---	---	None
		November	3.0-6.0	>6.0	---	---	---	---	None
		December	3.0-6.0	>6.0	---	---	---	---	None
DtB:									
Duda----------	A		---	---	---	---	---	---	---
Fishberry----------	D		---	---	---	---	---	---	---
DuB:									
Dunday----------	A		---	---	---	---	---	---	---
DuD:									
Dunday----------	A		---	---	---	---	---	---	---
Ec:									
Els----------	A								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	---	None
		April	1.5-3.0	>6.0	---	---	---	---	None
		May	1.5-3.0	>6.0	---	---	---	---	None
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None
EfB:									
Els----------	A								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	---	None
		April	1.5-3.0	>6.0	---	---	---	---	None
		May	1.5-3.0	>6.0	---	---	---	---	None
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None
Ipage----------	A								
		January	3.0-5.0	>6.0	---	---	---	---	None
		February	3.0-5.0	>6.0	---	---	---	---	None
		March	3.0-5.0	>6.0	---	---	---	---	None
		April	3.0-5.0	>6.0	---	---	---	---	None
		May	3.0-5.0	>6.0	---	---	---	---	None
		June	3.0-5.0	>6.0	---	---	---	---	None
		December	3.0-5.0	>6.0	---	---	---	---	None
Eh:									
Els----------	A								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	---	None
		April	1.5-3.0	>6.0	---	---	---	---	None
		May	1.5-3.0	>6.0	---	---	---	---	None
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None
Tryon----------	D								
		January	0.0-1.5	>6.0	---	---	---	---	None
		February	0.0-1.5	>6.0	---	---	---	---	None
		March	0.0-1.5	>6.0	---	---	---	---	None
		April	0.0-1.5	>6.0	---	---	---	---	None
		May	0.0-1.5	>6.0	---	---	---	---	None
		November	0.0-1.5	>6.0	---	---	---	---	None
		December	0.0-1.5	>6.0	---	---	---	---	None
Em:									
Els----------	A								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	---	None
		April	1.5-3.0	>6.0	---	---	---	---	None
		May	1.5-3.0	>6.0	---	---	---	---	None
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None

WATER FEATURES--Continued
Cherry County, Nebraska

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
Hoffland----------	D								
		January	0.0-1.5	>6.0	---	---	---	---	None
		February	0.0-1.5	>6.0	---	---	---	---	None
		March	0.0-1.5	>6.0	---	---	---	---	None
		April	0.0-1.5	>6.0	---	---	---	---	None
		May	0.0-1.5	>6.0	---	---	---	---	None
		November	0.0-1.5	>6.0	---	---	---	---	None
		December	0.0-1.5	>6.0	---	---	---	---	None
En:									
Els, Calcareous----------	A								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	---	None
		April	1.5-3.0	>6.0	---	---	---	---	None
		May	1.5-3.0	>6.0	---	---	---	---	None
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None
Selia----------	C								
		January	1.5-2.5	>6.0	---	---	---	---	None
		February	1.5-2.5	>6.0	---	---	---	---	None
		March	1.5-2.5	>6.0	---	---	---	---	None
		April	1.5-2.5	>6.0	---	---	---	---	None
		May	1.5-2.5	>6.0	---	---	---	---	None
		June	1.5-2.5	>6.0	---	---	---	---	None
		November	1.5-2.5	>6.0	---	---	---	---	None
		December	1.5-2.5	>6.0	---	---	---	---	None
Es:									
Elsmere----------	A								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	---	None
		April	1.5-3.0	>6.0	---	---	---	---	None
		May	1.5-3.0	>6.0	---	---	---	---	None
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None
Et:									
Elsmere----------	A								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	---	None
		April	1.5-3.0	>6.0	---	---	---	---	None
		May	1.5-3.0	>6.0	---	---	---	---	None
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None
Ew:									
Elsmere----------	A								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	---	None
		April	1.5-3.0	>6.0	---	---	---	---	None
		May	1.5-3.0	>6.0	---	---	---	---	None
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None
Loup----------	D								
		January	0.0-1.5	>6.0	---	---	---	---	None
		February	0.0-1.5	>6.0	---	---	---	---	None
		March	0.0-1.5	>6.0	---	---	---	---	None
		April	0.0-1.5	>6.0	---	---	---	---	None
		May	0.0-1.5	>6.0	---	---	---	---	None
		November	0.0-1.5	>6.0	---	---	---	---	None
		December	0.0-1.5	>6.0	---	---	---	---	None
FbC:									
Fishberry----------	D								
			---	---	---	---	---	---	---
FcF:									
Fishberry----------	D								
			---	---	---	---	---	---	---
Duda----------	A								
			---	---	---	---	---	---	---
FdG:									
Fishberry----------	D								
			---	---	---	---	---	---	---
Rock Outcrop----------	D								
			---	---	---	---	---	---	---
Fe:									

WATER FEATURES--Continued
Cherry County, Nebraska

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
Fluvaquents, Sandy--------	D								
		January	0.0	>6.0	0.0-2.0	Very long	---	Brief	Frequent
		February	0.0	>6.0	0.0-2.0	Very long	---	Brief	Frequent
		March	0.0	>6.0	0.0-2.0	Very long	---	Brief	Frequent
		April	0.0	>6.0	0.0-2.0	Very long	---	Brief	Frequent
		May	0.0	>6.0	0.0-2.0	Very long	---	Brief	Frequent
		June	0.0	>6.0	0.0-2.0	Very long	---	Brief	Frequent
		July	0.0	>6.0	0.0-2.0	Very long	---	---	None
		August	0.0	>6.0	0.0-2.0	Very long	---	---	None
		September	0.0	>6.0	0.0-2.0	Very long	---	---	None
		October	0.0	>6.0	0.0-2.0	Very long	---	---	None
		November	0.0	>6.0	0.0-2.0	Very long	---	Brief	Frequent
		December	0.0	>6.0	0.0-2.0	Very long	---	Brief	Frequent
Ga:									
Gannett----------	D								
		January	0.0-1.5	>6.0	---	---	---	---	None
		February	0.0-1.5	>6.0	---	---	---	---	None
		March	0.0-1.5	>6.0	---	---	---	---	None
		April	0.0-1.5	>6.0	---	---	---	---	None
		May	0.0-1.5	>6.0	---	---	---	---	None
		November	0.0-1.5	>6.0	---	---	---	---	None
		December	0.0-1.5	>6.0	---	---	---	---	None
Gb:									
Gannett----------	D								
		January	0.0	>6.0	0.0-1.0	Long	---	---	None
		February	0.0	>6.0	0.0-1.0	Long	---	---	None
		March	0.0	>6.0	0.0-1.0	Long	---	---	None
		April	0.0	>6.0	0.0-1.0	Long	---	---	None
		May	0.0	>6.0	0.0-1.0	Long	---	---	None
		June	0.0	>6.0	0.0-1.0	Long	---	---	None
		November	0.0	>6.0	0.0-1.0	Long	---	---	None
		December	0.0	>6.0	0.0-1.0	Long	---	---	None
Gc:									
Gus----------	D								
		January	0.0-1.5	>6.0	---	---	---	---	None
		February	0.0-1.5	>6.0	---	---	---	---	None
		March	0.0-1.5	>6.0	---	---	---	---	None
		April	0.0-1.5	>6.0	---	---	---	---	None
		May	0.0-1.5	>6.0	---	---	---	---	None
		November	0.0-1.5	>6.0	---	---	---	---	None
		December	0.0-1.5	>6.0	---	---	---	---	None
Gf:									
Gus----------	D								
		January	0.0	>6.0	0.0-1.0	Long	---	---	None
		February	0.0	>6.0	0.0-1.0	Long	---	---	None
		March	0.0	>6.0	0.0-1.0	Long	---	---	None
		April	0.0	>6.0	0.0-1.0	Long	---	---	None
		May	0.0	>6.0	0.0-1.0	Long	---	---	None
		June	0.0	>6.0	0.0-1.0	Long	---	---	None
		November	0.0	>6.0	0.0-1.0	Long	---	---	None
		December	0.0	>6.0	0.0-1.0	Long	---	---	None
He:									
Hennings----------	B								
			---	---	---	---	---	---	---
HeC:									
Hennings----------	B								
			---	---	---	---	---	---	---
HeD:									
Hennings----------	B								
			---	---	---	---	---	---	---
HgE:									
Hennings----------	B								
			---	---	---	---	---	---	---
Anselmo----------	B								
			---	---	---	---	---	---	---
Hr:									
Hoffland----------	D								
		January	0.0-1.5	>6.0	---	---	---	---	None
		February	0.0-1.5	>6.0	---	---	---	---	None
		March	0.0-1.5	>6.0	---	---	---	---	None
		April	0.0-1.5	>6.0	---	---	---	---	None
		May	0.0-1.5	>6.0	---	---	---	---	None
		November	0.0-1.5	>6.0	---	---	---	---	None
		December	0.0-1.5	>6.0	---	---	---	---	None
Hs:									
Hoffland----------	D								
		January	0.0	>6.0	0.0-1.0	Long	---	---	None
		February	0.0	>6.0	0.0-1.0	Long	---	---	None
		March	0.0	>6.0	0.0-1.0	Long	---	---	None
		April	0.0	>6.0	0.0-1.0	Long	---	---	None
		May	0.0	>6.0	0.0-1.0	Long	---	---	None
		June	0.0	>6.0	0.0-1.0	Long	---	---	None
		November	0.0	>6.0	0.0-1.0	Long	---	---	None
		December	0.0	>6.0	0.0-1.0	Long	---	---	None

WATER FEATURES--Continued
Cherry County, Nebraska

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
Ht:									
Holt----------	B		---	---	---	---	---	---	---
HuC:									
Holt----------	B		---	---	---	---	---	---	---
Longpine----------	D		---	---	---	---	---	---	---
HuD:									
Holt----------	B		---	---	---	---	---	---	---
Longpine----------	D		---	---	---	---	---	---	---
HyC:									
Holt----------	B		---	---	---	---	---	---	---
Vetal----------	B		---	---	---	---	---	---	---
Ic:									
Calamus----------	A								
		January	3.0-6.0	>6.0	---	---	---	---	None
		February	3.0-6.0	>6.0	---	---	---	---	None
		March	3.0-6.0	>6.0	---	---	---	---	None
		April	3.0-6.0	>6.0	---	---	---	---	None
		May	3.0-6.0	>6.0	---	---	---	---	None
		June	3.0-6.0	>6.0	---	---	---	---	None
		July	3.0-6.0	>6.0	---	---	---	---	None
		November	3.0-6.0	>6.0	---	---	---	---	None
		December	3.0-6.0	>6.0	---	---	---	---	None
Id:									
Calamus----------	A								
		January	3.0-6.0	>6.0	---	---	---	---	None
		February	3.0-6.0	>6.0	---	---	---	---	None
		March	3.0-6.0	>6.0	---	---	---	---	None
		April	3.0-6.0	>6.0	---	---	---	---	None
		May	3.0-6.0	>6.0	---	---	---	---	None
		June	3.0-6.0	>6.0	---	---	---	---	None
		July	3.0-6.0	>6.0	---	---	---	---	None
		November	3.0-6.0	>6.0	---	---	---	---	None
		December	3.0-6.0	>6.0	---	---	---	---	None
IgB:									
Ipage----------	A								
		January	3.0-5.0	>6.0	---	---	---	---	None
		February	3.0-5.0	>6.0	---	---	---	---	None
		March	3.0-5.0	>6.0	---	---	---	---	None
		April	3.0-5.0	>6.0	---	---	---	---	None
		May	3.0-5.0	>6.0	---	---	---	---	None
		June	3.0-5.0	>6.0	---	---	---	---	None
		December	3.0-5.0	>6.0	---	---	---	---	None
IhB:									
Ipage----------	A								
		January	3.0-5.0	>6.0	---	---	---	---	None
		February	3.0-5.0	>6.0	---	---	---	---	None
		March	3.0-5.0	>6.0	---	---	---	---	None
		April	3.0-5.0	>6.0	---	---	---	---	None
		May	3.0-5.0	>6.0	---	---	---	---	None
		June	3.0-5.0	>6.0	---	---	---	---	None
		December	3.0-5.0	>6.0	---	---	---	---	None
IpB:									
Ipage----------	A								
		January	3.0-5.0	>6.0	---	---	---	---	None
		February	3.0-5.0	>6.0	---	---	---	---	None
		March	3.0-5.0	>6.0	---	---	---	---	None
		April	3.0-5.0	>6.0	---	---	---	---	None
		May	3.0-5.0	>6.0	---	---	---	---	None
		June	3.0-5.0	>6.0	---	---	---	---	None
		December	3.0-5.0	>6.0	---	---	---	---	None
ItB:									
Ipage----------	A								
		January	3.0-5.0	>6.0	---	---	---	---	None
		February	3.0-5.0	>6.0	---	---	---	---	None
		March	3.0-5.0	>6.0	---	---	---	---	None
		April	3.0-5.0	>6.0	---	---	---	---	None
		May	3.0-5.0	>6.0	---	---	---	---	None
		June	3.0-5.0	>6.0	---	---	---	---	None
		December	3.0-5.0	>6.0	---	---	---	---	None
Tryon----------	D								
		January	0.0-1.5	>6.0	---	---	---	---	None
		February	0.0-1.5	>6.0	---	---	---	---	None
		March	0.0-1.5	>6.0	---	---	---	---	None
		April	0.0-1.5	>6.0	---	---	---	---	None
		May	0.0-1.5	>6.0	---	---	---	---	None
		November	0.0-1.5	>6.0	---	---	---	---	None
		December	0.0-1.5	>6.0	---	---	---	---	None

WATER FEATURES--Continued
Cherry County, Nebraska

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
Jn:									
Jansen----------	B		---	---	---	---	---	---	---
Ke:									
Keya----------	B		---	---	---	---	---	---	---
LfB:									
Libory----------	A								
		March	1.5-3.0	1.5-3.0	---	---	---	---	None
		April	1.5-3.0	1.5-3.0	---	---	---	---	None
		May	1.5-3.0	1.5-3.0	---	---	---	---	None
		June	1.5-3.0	1.5-3.0	---	---	---	---	None
Lh:									
Lodgepole----------	D								
		March	0.0	>6.0	0.0-2.0	Brief	---	---	None
		April	0.0	>6.0	0.0-2.0	Brief	---	---	None
		May	0.0	>6.0	0.0-2.0	Brief	---	---	None
		June	0.0	>6.0	0.0-2.0	Brief	---	---	None
		July	0.0	>6.0	0.0-2.0	Brief	---	---	None
Lo:									
Loup----------	D								
		January	0.0-1.5	>6.0	---	---	---	---	None
		February	0.0-1.5	>6.0	---	---	---	---	None
		March	0.0-1.5	>6.0	---	---	---	---	None
		April	0.0-1.5	>6.0	---	---	---	---	None
		May	0.0-1.5	>6.0	---	---	---	---	None
		November	0.0-1.5	>6.0	---	---	---	---	None
		December	0.0-1.5	>6.0	---	---	---	---	None
Lp:									
Loup----------	D								
		January	0.0	>6.0	0.0-1.0	Long	---	---	None
		February	0.0	>6.0	0.0-1.0	Long	---	---	None
		March	0.0	>6.0	0.0-1.0	Long	---	---	None
		April	0.0	>6.0	0.0-1.0	Long	---	---	None
		May	0.0	>6.0	0.0-1.0	Long	---	---	None
		June	0.0	>6.0	0.0-1.0	Long	---	---	None
		November	0.0	>6.0	0.0-1.0	Long	---	---	None
		December	0.0	>6.0	0.0-1.0	Long	---	---	None
Ma:									
Marlake----------	D								
		January	0.0	>6.0	0.0-2.0	Very long	---	---	None
		February	0.0	>6.0	0.0-2.0	Very long	---	---	None
		March	0.0	>6.0	0.0-2.0	Very long	---	---	None
		April	0.0	>6.0	0.0-2.0	Very long	---	---	None
		May	0.0	>6.0	0.0-2.0	Very long	---	---	None
		June	0.0	>6.0	0.0-2.0	Very long	---	---	None
		November	0.0	>6.0	0.0-2.0	Very long	---	---	None
		December	0.0	>6.0	0.0-2.0	Very long	---	---	None
McB:									
Mckelvie----------	A		---	---	---	---	---	---	---
McD:									
Mckelvie----------	A		---	---	---	---	---	---	---
McF:									
Mckelvie----------	A		---	---	---	---	---	---	---
MdF:									
Mckelvie----------	A		---	---	---	---	---	---	---
Fishberry----------	D		---	---	---	---	---	---	---
MeG:									
Mckelvie----------	A		---	---	---	---	---	---	---
Fishberry----------	D		---	---	---	---	---	---	---
MfG:									
Mckelvie----------	A		---	---	---	---	---	---	---
Rock Outcrop----------	D		---	---	---	---	---	---	---
MgG:									
Mckelvie----------	A		---	---	---	---	---	---	---
Ustorthents----------	B		---	---	---	---	---	---	---
MxB:									
Meadin----------	A		---	---	---	---	---	---	---
MxF:									
Meadin----------	A		---	---	---	---	---	---	---
Mz:									

WATER FEATURES--Continued
Cherry County, Nebraska

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
Medihemists----------	D								
		January	0.0	>6.0	0.0-2.0	Very long	---	---	None
		February	0.0	>6.0	0.0-2.0	Very long	---	---	None
		March	0.0	>6.0	0.0-2.0	Very long	---	---	None
		April	0.0	>6.0	0.0-2.0	Very long	---	---	None
		May	0.0	>6.0	0.0-2.0	Very long	---	---	None
		June	0.0	>6.0	0.0-2.0	Very long	---	---	None
		November	0.0	>6.0	0.0-2.0	Very long	---	---	None
		December	0.0	>6.0	0.0-2.0	Very long	---	---	None
NeB:									
Nenzel----------	A								
		January	3.0-5.0	>6.0	---	---	---	---	None
		February	3.0-5.0	>6.0	---	---	---	---	None
		March	3.0-5.0	>6.0	---	---	---	---	None
		April	3.0-5.0	>6.0	---	---	---	---	None
		May	3.0-5.0	>6.0	---	---	---	---	None
		June	3.0-5.0	>6.0	---	---	---	---	None
		December	3.0-5.0	>6.0	---	---	---	---	None
NfB:									
Nenzel----------	A								
		January	3.0-5.0	>6.0	---	---	---	---	None
		February	3.0-5.0	>6.0	---	---	---	---	None
		March	3.0-5.0	>6.0	---	---	---	---	None
		April	3.0-5.0	>6.0	---	---	---	---	None
		May	3.0-5.0	>6.0	---	---	---	---	None
		June	3.0-5.0	>6.0	---	---	---	---	None
		December	3.0-5.0	>6.0	---	---	---	---	None
Or:									
Ord----------	B								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	---	None
		April	1.5-3.0	>6.0	---	---	---	---	None
		May	1.5-3.0	>6.0	---	---	---	---	None
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None
OsD:									
Orpha----------	A		---	---	---	---	---	---	---
OtF:									
Orpha----------	A		---	---	---	---	---	---	---
Niobrara----------	D		---	---	---	---	---	---	---
OxG:									
Orpha----------	A		---	---	---	---	---	---	---
Rock Outcrop----------	D		---	---	---	---	---	---	---
PtB:									
Pivot----------	A		---	---	---	---	---	---	---
SfB:									
Sandose----------	A		---	---	---	---	---	---	---
ShB:									
Sandose----------	A		---	---	---	---	---	---	---
Hennings----------	B		---	---	---	---	---	---	---
ShC:									
Sandose----------	A		---	---	---	---	---	---	---
Hennings----------	B		---	---	---	---	---	---	---
ShD:									
Sandose----------	A		---	---	---	---	---	---	---
Hennings----------	B		---	---	---	---	---	---	---
SnB:									
Satanta----------	B		---	---	---	---	---	---	---
SoB:									
Simeon----------	A		---	---	---	---	---	---	---
SvD:									
Simeon----------	A		---	---	---	---	---	---	---
Valentine----------	A		---	---	---	---	---	---	---
SvF:									
Simeon----------	A		---	---	---	---	---	---	---

WATER FEATURES--Continued
Cherry County, Nebraska

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
Valentine----------	A		---	---	---	---	---	---	---
Tn:									
Tryon----------	D								
		January	0.0-1.5	>6.0	---	---	---	---	None
		February	0.0-1.5	>6.0	---	---	---	---	None
		March	0.0-1.5	>6.0	---	---	---	---	None
		April	0.0-1.5	>6.0	---	---	---	---	None
		May	0.0-1.5	>6.0	---	---	---	---	None
		November	0.0-1.5	>6.0	---	---	---	---	None
		December	0.0-1.5	>6.0	---	---	---	---	None
To:									
Tryon----------	D								
		January	0.0	>6.0	0.0-1.0	Long	---	---	None
		February	0.0	>6.0	0.0-1.0	Long	---	---	None
		March	0.0	>6.0	0.0-1.0	Long	---	---	None
		April	0.0	>6.0	0.0-1.0	Long	---	---	None
		May	0.0	>6.0	0.0-1.0	Long	---	---	None
		November	0.0	>6.0	0.0-1.0	Long	---	---	None
		December	0.0	>6.0	0.0-1.0	Long	---	---	None
TwC:									
Tuthill----------	B		---	---	---	---	---	---	---
TwD:									
Tuthill----------	B		---	---	---	---	---	---	---
VcB:									
Valent----------	A		---	---	---	---	---	---	---
VcD:									
Valent----------	A		---	---	---	---	---	---	---
VcE:									
Valent----------	A		---	---	---	---	---	---	---
VcF:									
Valent----------	A		---	---	---	---	---	---	---
Valent----------	A		---	---	---	---	---	---	---
VcG:									
Valent----------	A		---	---	---	---	---	---	---
VdD:									
Valent----------	A		---	---	---	---	---	---	---
VgD:									
Valent----------	A		---	---	---	---	---	---	---
Els----------	A								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	---	None
		April	1.5-3.0	>6.0	---	---	---	---	None
		May	1.5-3.0	>6.0	---	---	---	---	None
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None
VhF:									
Valent----------	A		---	---	---	---	---	---	---
Tryon----------	D								
		January	0.0	>6.0	0.0-1.0	Long	---	---	None
		February	0.0	>6.0	0.0-1.0	Long	---	---	None
		March	0.0	>6.0	0.0-1.0	Long	---	---	None
		April	0.0	>6.0	0.0-1.0	Long	---	---	None
		May	0.0	>6.0	0.0-1.0	Long	---	---	None
		November	0.0	>6.0	0.0-1.0	Long	---	---	None
		December	0.0	>6.0	0.0-1.0	Long	---	---	None
VkB:									
Valentine----------	A		---	---	---	---	---	---	---
VkD:									
Valentine----------	A		---	---	---	---	---	---	---
VkE:									
Valentine----------	A		---	---	---	---	---	---	---
VkF:									
Valentine----------	A		---	---	---	---	---	---	---
Valentine----------	A		---	---	---	---	---	---	---
VkG:									
Valentine----------	A								

WATER FEATURES--Continued
Cherry County, Nebraska

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
			---	---	---	---	---	---	---
VmB:									
Valentine----------	A								
			---	---	---	---	---	---	---
VmD:									
Valentine----------	A								
			---	---	---	---	---	---	---
VnD:									
Valentine----------	A								
			---	---	---	---	---	---	---
Duda----------	A								
			---	---	---	---	---	---	---
VnF:									
Valentine----------	A								
			---	---	---	---	---	---	---
Duda----------	A								
			---	---	---	---	---	---	---
VoD:									
Valentine----------	A								
			---	---	---	---	---	---	---
Els----------	A								
		January	1.5-3.0	>6.0	---	---	---	---	None
		February	1.5-3.0	>6.0	---	---	---	---	None
		March	1.5-3.0	>6.0	---	---	---	---	None
		April	1.5-3.0	>6.0	---	---	---	---	None
		May	1.5-3.0	>6.0	---	---	---	---	None
		November	1.5-3.0	>6.0	---	---	---	---	None
		December	1.5-3.0	>6.0	---	---	---	---	None
VpD:									
Valentine----------	A								
			---	---	---	---	---	---	---
Libory----------	A								
		March	1.5-3.0	1.5-3.0	---	---	---	---	None
		April	1.5-3.0	1.5-3.0	---	---	---	---	None
		May	1.5-3.0	1.5-3.0	---	---	---	---	None
		June	1.5-3.0	1.5-3.0	---	---	---	---	None
VsD:									
Valentine----------	A								
			---	---	---	---	---	---	---
Sandose----------	A								
			---	---	---	---	---	---	---
VwF:									
Valentine----------	A								
			---	---	---	---	---	---	---
Tryon----------	D								
		January	0.0	>6.0	0.0-1.0	Long	---	---	None
		February	0.0	>6.0	0.0-1.0	Long	---	---	None
		March	0.0	>6.0	0.0-1.0	Long	---	---	None
		April	0.0	>6.0	0.0-1.0	Long	---	---	None
		May	0.0	>6.0	0.0-1.0	Long	---	---	None
		November	0.0	>6.0	0.0-1.0	Long	---	---	None
		December	0.0	>6.0	0.0-1.0	Long	---	---	None
VyB:									
Vetal----------	B								
			---	---	---	---	---	---	---
Vz:									
Vetal----------	B								
			---	---	---	---	---	---	---
W:									
Water----------	---								
			---	---	---	---	---	---	---
WeB:									
Wildhorse----------	A								
		January	1.5-3.5	>6.0	---	---	---	---	None
		February	1.5-3.5	>6.0	---	---	---	---	None
		March	1.5-3.5	>6.0	---	---	---	---	None
		April	1.5-3.5	>6.0	---	---	---	---	None
		May	1.5-3.5	>6.0	---	---	---	---	None
		November	1.5-3.5	>6.0	---	---	---	---	None
		December	1.5-3.5	>6.0	---	---	---	---	None

SOIL FEATURES
Cherry County, Nebraska

The following table gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A restrictive layer is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of the restrictive layer, both of which significantly affect the ease of excavation. Depth to top is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

Potential for frost action is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, permeability, content of organic matter, and depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

Risk of corrosion pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as low, moderate, or high, is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion also is expressed as low, moderate, or high. It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

SOIL FEATURES--Continued
Cherry County, Nebraska

Map symbol and soil name	Restrictive layer				Potential for Frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness		Uncoated Steel	Concrete
		In	In				
Ad:							
Almeria---------	---	---	---	---	Moderate	High	Low
Ae:							
Almeria---------	---	---	---	---	Moderate	High	Low
Af:							
Almeria---------	---	---	---	---	Moderate	High	Low
AmB:							
Anselmo---------	---	---	---	---	Moderate	Moderate	Low
AmC:							
Anselmo---------	---	---	---	---	Moderate	Moderate	Low
An:							
Anselmo---------	---	---	---	---	Moderate	Moderate	Low
AnC:							
Anselmo---------	---	---	---	---	Moderate	Moderate	Low
AnD:							
Anselmo---------	---	---	---	---	Moderate	Moderate	Low
AuF:							
Anselmo---------	---	---	---	---	Moderate	Moderate	Low
Longpine--------	10-20	Bedrock (paralithic)	---	Weakly cemented	Low	High	Low
BcG:							
Blownout Land---	---	---	---	---	Low	Low	Low
Valentine-------	---	---	---	---	Low	Low	Low
Bm:							
Bolent----------	---	---	---	---	Moderate	Low	Low
Bn:							
Bolent----------	---	---	---	---	Moderate	Low	Low
Bp:							
Bolent----------	---	---	---	---	Moderate	Low	Low
Inglewood-------	---	---	---	---	Moderate	Moderate	Low
BsD:							
Busher----------	40-60	Bedrock (paralithic)	---	Weakly cemented	Low	Low	Low
BvF:							
Busher----------	40-60	Bedrock (paralithic)	---	Weakly cemented	Low	Low	Low
Tassel----------	6-20	Bedrock (paralithic)	---	Weakly cemented	Low	Low	Low
Cr:							
Crowther--------	---	---	---	---	Moderate	High	Low
Cs:							
Crowther--------	---	---	---	---	Moderate	High	Low
Cv:							
Cullison--------	---	---	---	---	Moderate	High	Low
Cx:							
Cullison--------	---	---	---	---	Moderate	High	Low
Cy:							
Cutcomb---------	---	---	---	---	Moderate	Moderate	Low
DaB:							
Dailey----------	---	---	---	---	Low	High	Low
DaD:							
Dailey----------	---	---	---	---	Low	High	Low
DfB:							
Doughboy--------	---	---	---	---	Moderate	Moderate	Low
Dg:							
Doughboy--------	---	---	---	---	Moderate	Moderate	Low
DtB:							
Duda----------	20-40	Bedrock (paralithic)	---	Moderately cemented	Low	Moderate	Low
Fishberry-------	10-20	Bedrock (paralithic)	---	Moderately cemented	Low	Low	Low
DuB:							
Dunday----------	---	---	---	---	Low	Low	Low
DuD:							
Dunday----------	---	---	---	---	Low	Low	Low
Ec:							
Els----------	---	---	---	---	Moderate	Moderate	Low
EfB:							
Els----------	---	---	---	---	Moderate	Moderate	Low
Ipage----------	---	---	---	---	Moderate	Low	Moderate
Eh:							
Els----------	---	---	---	---	Moderate	Moderate	Low
Tryon----------	---	---	---	---	Moderate	High	Low
Em:							
Els----------	---	---	---	---	Moderate	Moderate	Moderate
Hoffland--------	---	---	---	---	Moderate	High	Low
En:							
Els, Calcareous-	---	---	---	---	Moderate	Moderate	Moderate
Selia----------	---	---	---	---	Moderate	High	Moderate
Es:							
Elsmere---------	---	---	---	---	Moderate	Moderate	Low
Et:							
Elsmere---------	---	---	---	---	Moderate	Moderate	Moderate
Ew:							
Elsmere---------	---	---	---	---	Moderate	Moderate	Low
Loup----------	---	---	---	---	Moderate	High	Low

SOIL FEATURES--Continued
Cherry County, Nebraska

Map symbol and soil name	Restrictive layer				Potential for Frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness		Uncoated Steel	Concrete
		In	In				
FbC:							
Fishberry-------	10-20	Bedrock (paralithic)	---	Moderately cemented	Low	Low	Low
FcF:							
Fishberry-------	10-20	Bedrock (paralithic)	---	Moderately cemented	Low	Low	Low
Duda----------	20-40	Bedrock (paralithic)	---	Moderately cemented	Low	Moderate	Low
FdG:							
Fishberry-------	10-20	Bedrock (paralithic)	---	Moderately cemented	Low	Low	Low
Rock Outcrop----	0-0	Bedrock (paralithic)	---	Moderately cemented	None	---	---
Fe:							
Fluvaquents, Sandy----------	---	---	---	---	Moderate	High	Low
Ga:							
Gannett---------	---	---	---	---	High	High	Low
Gb:							
Gannett---------	---	---	---	---	High	High	Low
Gc:							
Gus----------	---	---	---	---	High	High	High
Gf:							
Gus----------	---	---	---	---	High	High	High
He:							
Hennings--------	40-60	Bedrock (paralithic)	---	Weakly cemented	Low	Moderate	Low
HeC:							
Hennings--------	40-60	Bedrock (paralithic)	---	Weakly cemented	Low	Moderate	Low
HeD:							
Hennings--------	40-60	Bedrock (paralithic)	---	Weakly cemented	Low	Moderate	Low
HgE:							
Hennings--------	40-60	Bedrock (paralithic)	---	Weakly cemented	Low	Moderate	Low
Anselmo---------	---	---	---	---	Moderate	Moderate	Low
Hr:							
Hoffland--------	---	---	---	---	Moderate	High	Low
Hs:							
Hoffland--------	---	---	---	---	Moderate	High	Low
Ht:							
Holt----------	20-36	Bedrock (paralithic)	---	Moderately cemented	Moderate	Moderate	Low
HuC:							
Holt----------	20-36	Bedrock (paralithic)	---	Moderately cemented	Moderate	Moderate	Low
Longpine--------	10-20	Bedrock (paralithic)	---	Weakly cemented	Low	High	Low
HuD:							
Holt----------	20-36	Bedrock (paralithic)	---	Moderately cemented	Moderate	Moderate	Low
Longpine--------	10-20	Bedrock (paralithic)	---	Weakly cemented	Low	High	Low
HyC:							
Holt----------	20-36	Bedrock (paralithic)	---	Moderately cemented	Moderate	Moderate	Low
Vetal----------	---	---	---	---	Moderate	Moderate	Low
Ic:							
Calamus---------	---	---	---	---	Moderate	Moderate	Low
Id:							
Calamus---------	---	---	---	---	Moderate	Moderate	Low
IgB:							
Ipage----------	---	---	---	---	Moderate	Low	Moderate
IhB:							
Ipage----------	---	---	---	---	Moderate	Low	Moderate
IpB:							
Ipage----------	---	---	---	---	Moderate	Low	Moderate
ItB:							
Ipage----------	---	---	---	---	Moderate	Low	Moderate
Tryon----------	---	---	---	---	Moderate	High	Low
Jn:							
Jansen----------	---	---	---	---	Moderate	Moderate	Low
Ke:							
Keya----------	---	---	---	---	Moderate	High	Low
LfB:							
Libory----------	---	---	---	---	Low	Moderate	Low
Lh:							
Lodgepole-------	---	---	---	---	High	High	Low
Lo:							
Loup----------	---	---	---	---	Moderate	High	Low
Lp:							
Loup----------	---	---	---	---	Moderate	High	Low
Ma:							
Marlake---------	---	---	---	---	Moderate	High	Low
McB:							
Mckelvie--------	---	---	---	---	Low	Low	Low

SOIL FEATURES--Continued
Cherry County, Nebraska

Map symbol and soil name	Restrictive layer				Potential for Frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness		Uncoated Steel	Concrete
		In	In				
McD:							
Mckelvie--------	---	---	---	---	Low	Low	Low
McF:							
Mckelvie--------	---	---	---	---	Low	Low	Low
MdF:							
Mckelvie--------	---	---	---	---	Low	Low	Low
Fishberry-------	10-20	Bedrock (paralithic)	---	Moderately cemented	Low	Low	Low
MeG:							
Mckelvie--------	---	---	---	---	Low	Low	Low
Fishberry-------	10-20	Bedrock (paralithic)	---	Moderately cemented	Low	Low	Low
MfG:							
Mckelvie--------	---	---	---	---	Low	Low	Low
Rock Outcrop----	0-0	Bedrock (paralithic)	---	Moderately cemented	None	---	---
MgG:							
Mckelvie--------	---	---	---	---	Low	Low	Low
Ustorthents-----	---	---	---	---	Moderate	Low	Low
MxB:							
Meadin----------	---	---	---	---	Low	Low	Moderate
MxF:							
Meadin----------	---	---	---	---	Low	Low	Moderate
Mz:							
Medihemists-----	---	---	---	---	Moderate	Moderate	Moderate
NeB:							
Nenzel----------	---	---	---	---	Moderate	Low	Low
NfB:							
Nenzel----------	---	---	---	---	Moderate	Low	Low
Or:							
Ord-------------	---	---	---	---	High	High	Low
OsD:							
Orpha-----------	---	---	---	---	Low	Moderate	Low
OtF:							
Orpha-----------	---	---	---	---	Low	Moderate	Low
Niobrara--------	10-20	Bedrock (paralithic)	---	Weakly cemented	Low	Low	Low
OxG:							
Orpha-----------	---	---	---	---	Low	Moderate	Low
Rock Outcrop----	0-0	Bedrock (paralithic)	---	Moderately cemented	None	---	---
PtB:							
Pivot-----------	---	---	---	---	Low	Low	Low
SfB:							
Sandose---------	---	---	---	---	Low	Moderate	Low
ShB:							
Sandose---------	---	---	---	---	Low	Moderate	Low
Hennings--------	40-60	Bedrock (paralithic)	---	Weakly cemented	Low	Moderate	Low
ShC:							
Sandose---------	---	---	---	---	Low	Moderate	Low
Hennings--------	40-60	Bedrock (paralithic)	---	Weakly cemented	Low	Moderate	Low
ShD:							
Sandose---------	---	---	---	---	Low	Moderate	Low
Hennings--------	40-60	Bedrock (paralithic)	---	Weakly cemented	Low	Moderate	Low
SnB:							
Satanta---------	---	---	---	---	Moderate	Low	Low
SoB:							
Simeon----------	---	---	---	---	Low	Low	Low
SvD:							
Simeon----------	---	---	---	---	Low	Low	Low
Valentine-------	---	---	---	---	Low	Low	Low
SvF:							
Simeon----------	---	---	---	---	Low	Low	Low
Valentine-------	---	---	---	---	Low	Low	Low
Tn:							
Tryon-----------	---	---	---	---	Moderate	High	Low
To:							
Tryon-----------	---	---	---	---	Moderate	High	Low
TwC:							
Tuthill---------	---	---	---	---	Low	Moderate	Low
TwD:							
Tuthill---------	---	---	---	---	Low	Moderate	Low
VcB:							
Valent----------	---	---	---	---	Low	Moderate	Low
VcD:							
Valent----------	---	---	---	---	Low	Moderate	Low
VcE:							
Valent----------	---	---	---	---	Low	Moderate	Low
VcF:							
Valent----------	---	---	---	---	Low	Moderate	Low
Valent----------	---	---	---	---	Low	Moderate	Low
VcG:							
Valent----------	---	---	---	---	Low	Moderate	Low

SOIL FEATURES--Continued
Cherry County, Nebraska

Map symbol and soil name	Restrictive layer				Potential for Frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness		Uncoated Steel	Concrete
		In	In				
VdD:							
Valent----------	---	---	---	---	Low	Moderate	Low
VgD:							
Valent----------	---	---	---	---	Low	Moderate	Low
Els----------	---	---	---	---	Moderate	Moderate	Low
VhF:							
Valent----------	---	---	---	---	Low	Moderate	Low
Tryon----------	---	---	---	---	Moderate	High	Low
VkB:							
Valentine-------	---	---	---	---	Low	Low	Low
VkD:							
Valentine-------	---	---	---	---	Low	Low	Low
VkE:							
Valentine-------	---	---	---	---	Low	Low	Low
VkF:							
Valentine-------	---	---	---	---	Low	Low	Low
Valentine-------	---	---	---	---	Low	Low	Low
VkG:							
Valentine-------	---	---	---	---	Low	Low	Low
VmB:							
Valentine-------	---	---	---	---	Low	Low	Low
VmD:							
Valentine-------	---	---	---	---	Low	Low	Low
VnD:							
Valentine-------	---	---	---	---	Low	Low	Low
Duda----------	20-40	Bedrock (paralithic)	---	Moderately cemented	Low	Moderate	Low
VnF:							
Valentine-------	---	---	---	---	Low	Low	Low
Duda----------	20-40	Bedrock (paralithic)	---	Moderately cemented	Low	Moderate	Low
VoD:							
Valentine-------	---	---	---	---	Low	Low	Low
Els----------	---	---	---	---	Moderate	Moderate	Low
VpD:							
Valentine-------	---	---	---	---	Low	Low	Low
Libory----------	---	---	---	---	Low	Moderate	Low
VsD:							
Valentine-------	---	---	---	---	Low	Low	Low
Sandose---------	---	---	---	---	Low	Moderate	Low
VwF:							
Valentine-------	---	---	---	---	Low	Low	Low
Tryon----------	---	---	---	---	Moderate	High	Low
VyB:							
Vetal----------	---	---	---	---	Moderate	Moderate	Low
Vz:							
Vetal----------	---	---	---	---	Moderate	Moderate	Low
W:							
Water----------	---	---	---	---	---	---	---
WeB:							
Wildhorse-------	---	---	---	---	Moderate	High	High

WATER MANAGEMENT
Cherry County, Nebraska

The soils of the survey area are rated in the Water Management table according to limitations that affect their suitability for water management. Soils are rated for pond reservoir areas, drainage, irrigation, terraces and diversions, and grassed waterways. Restrictive features that affect each soil for the specified use is also provided in the table.

The ratings in the table are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. Not limited indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. Slightly limited indicates that the soil has features that are favorable for the specified use. The limitations are minor and can be easily overcome. Good performance and low maintenance can be expected. Moderately limited indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. Limited indicates that the soil has one or more features that are significant limitations for the specified use. The limitations can be overcome, but generally require special design, soil reclamation, or installation procedures that may result in additional expense. Fair performance and moderate to high maintenance can be expected. Very limited indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Limitation class terms, such as very limited or limited, etc., limitation ratings, and numerical ratings are shown for each soil feature listed. As many as three soil features may be listed for each soil component if applicable. The overall limitation rating for the soil component is based on the most severe limitation.

Pond reservoir areas hold water behind a dam or embankment. Soils best suited to this use have low seepage potential in the upper 60 inches. The seepage potential is determined by the permeability of the soil and the depth to fractured bedrock or other permeable material. Excessive slope can affect the storage capacity of the reservoir area.

Embankments, dikes, and levees are raised structures of soil material, generally less than 20 feet high, constructed to impound water or to protect land against overflow. In this table, the soils are rated as a source of material for embankment fill. The ratings apply to the soil material below the surface layer to a depth of about 5 feet. It is assumed that soil layers will be uniformly mixed and compacted during construction.

The ratings do not indicate the ability of the natural soil to support an embankment. Soil properties to a depth even greater than the height of the embankment can affect performance and safety of the embankment. Generally, deeper onsite investigation is needed to determine these properties.

Soil material in embankments must be resistant to seepage, piping, and erosion and have favorablecompaction characteristics. Unfavorable features include less than 5 feet of suitable material and a high content of stones or boulders, organic matter, or salts or sodium. A high water table affects theamount of usable material. It also affects traffic ability.

Aquifer-fed excavated ponds are pits or dugouts that extend to a ground-water aquifer or to a depth below a permanent water table. Excluded are ponds that are fed only by surface runoff and embankment ponds that impound water 3 feet or more above the original surface. Excavated ponds are affected by depth to a permanent water table, permeability of the aquifer, and quality of the water as inferred from the salinity of the soil. Depth to bedrock and the content of large stones affect the ease of excavation.

Drainage is the removal of excess surface and subsurface water from the soil. How easily and effectively the soil is drained depends on the depth to bedrock, to a cemented pan, or to other layers that affect the rate of water movement; permeability; depth to a high water table or depth of standing water if the soil is subject to ponding; slope; susceptibility to flooding; subsidence of organic layers; and the potential for frost action. Excavating and grading and the stability of ditch banks are affected by depth to bedrock or to a cemented pan, large stones, slope, and the hazard of cutbanks caving. The productivity of the soil after drainage is adversely affected by extreme acidity or by toxic substances in the root zone, such as salts, sodium, and sulfur. Availability of drainage outlets is not considered in the ratings.

Irrigation is the controlled application of water to supplement rainfall and support plant growth. The design and management of an irrigation system are affected by depth to the water table, the need for drainage, flooding, available water capacity, intake rate, permeability, erosion hazard, and slope. The construction of a system is affected by large stones and depth to bedrock or to a cemented pan. The performance of a system is affected by the depth of the root zone, the amount of salts or sodium, and soil reaction.

Terraces and diversions are embankments or a combination of channels and ridges constructed across a slope to control erosion and conserve moisture by intercepting runoff. Slope, wetness, large stones, and depth to bedrock or to a cemented pan affect the construction of terraces and diversions. A restricted rooting depth, a very limited hazard of wind erosion or water erosion, an excessively coarse texture, and restricted permeability adversely affect maintenance.

Grassed waterways are natural or constructed channels, generally broad and shallow, which conduct surface water to outlets at a non-erosive velocity. Large stones, wetness, slope, and depth to bedrock or to a cemented pan affect the construction of grassed waterways. A hazard of wind erosion, low available water capacity, restricted rooting depth, toxic substances such as salts and sodium, and restricted permeability adversely affect the growth and maintenance of the grass after construction.

WATER MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Features affecting-- Drainage	Irrigation	Terraces and diversions	Grassed waterways
Ad:				
Almeria	Limitation: flooding ponding cutbanks cave	Limitation: fast intake ponding droughty	Limitation: too sandy ponding	Limitation: rooting depth wetness droughty
Ae:				
Almeria	Limitation: flooding cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness	Limitation: rooting depth wetness droughty
Af:				
Almeria	Limitation: flooding ponding cutbanks cave	Limitation: ponding droughty	Limitation: too sandy ponding	Limitation: rooting depth wetness droughty
AmB:				
Anselmo	Limitation: deep to water	Limitation: fast intake soil blowing	Limitation: soil blowing	Favorable
AmC:				
Anselmo	Limitation: deep to water	Limitation: fast intake slope soil blowing	Limitation: soil blowing	Favorable
An:				
Anselmo	Limitation: deep to water	Limitation: soil blowing	Limitation: soil blowing	Favorable
AnC:				
Anselmo	Limitation: deep to water	Limitation: slope soil blowing	Limitation: soil blowing	Favorable
AnD:				
Anselmo	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
AuF:				
Anselmo	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
Longpine	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing depth to rock	Limitation: slope too arid
BcG:				
Blownout Land	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
Valentine	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
Bm:				
Bolent	Limitation: flooding cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: rooting depth droughty
Bn:				
Bolent	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: rooting depth droughty
Bp:				
Bolent	Limitation: flooding cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: rooting depth droughty
Inglewood	Limitation: deep to water	Limitation: fast intake soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
BsD:				
Busher	Limitation: deep to water	Limitation: slope soil blowing	Limitation: soil blowing	Limitation: too arid
BvF:				
Busher	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope too arid
Tassel	Limitation: deep to water	Limitation: slope soil blowing depth to rock	Limitation: slope depth to rock	Limitation: slope too arid

WATER MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Features affecting-- Drainage	Irrigation	Terraces and diversions	Grassed waterways
Cr:				
Crowther--------	Limitation: cutbanks cave	Limitation: wetness	Limitation: too sandy wetness	Limitation: wetness
Cs:				
Crowther--------	Limitation: ponding cutbanks cave	Limitation: ponding	Limitation: too sandy ponding	Limitation: wetness
Cv:				
Cullison--------	Favorable	Limitation: wetness	Limitation: erodes easily wetness	Limitation: erodes easily wetness
Cx:				
Cullison--------	Limitation: ponding	Limitation: ponding	Limitation: erodes easily ponding	Limitation: erodes easily wetness
Cy:				
Cutcomb---------	Limitation: subsides ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
DaB:				
Dailey----------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: too arid droughty
DaD:				
Dailey----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: too arid droughty
DfB:				
Doughboy--------	Limitation: deep to water	Limitation: fast intake soil blowing	Limitation: soil blowing	Favorable
Dg:				
Doughboy--------	Limitation: deep to water	Limitation: soil blowing	Limitation: soil blowing	Favorable
DtB:				
Duda----------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy depth to rock	Limitation: depth to rock droughty
Fishberry-------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy depth to rock	Limitation: depth to rock droughty
DuB:				
Dunday----------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
DuD:				
Dunday----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
Ec:				
Els----------	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
EfB:				
Els----------	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
Ipage----------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
Eh:				
Els----------	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
Tryon----------	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness	Limitation: wetness droughty
Em:				
Els----------	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
Hoffland--------	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness	Limitation: wetness droughty

WATER MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Features affecting-- Drainage	Irrigation	Terraces and diversions	Grassed waterways
En:				
Els, Calcareous-	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
Selia----------	Limitation: percs slowly cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: excess sodium rooting depth droughty
Es:				
Elsmere---------	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
Et:				
Elsmere---------	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
Ew:				
Elsmere---------	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
Loup----------	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness	Limitation: wetness droughty
FbC:				
Fishberry-------	Limitation: deep to water	Limitation: slope droughty	Limitation: too sandy depth to rock	Limitation: depth to rock droughty
FcF:				
Fishberry-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy depth to rock	Limitation: slope depth to rock droughty
Duda----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy depth to rock	Limitation: slope depth to rock droughty
FdG:				
Fishberry-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy depth to rock	Limitation: slope depth to rock droughty
Rock Outcrop----	Limitation: deep to water	Limitation: slope depth to rock	Limitation: slope depth to rock	Limitation: slope depth to rock
Fe:				
Fluvaquents, Sandy----------	Limitation: flooding ponding	Limitation: rooting depth ponding droughty	Limitation: too sandy ponding	Limitation: rooting depth wetness droughty
Ga:				
Gannett---------	Limitation: frost action cutbanks cave	Limitation: wetness	Limitation: too sandy wetness	Limitation: wetness
Gb:				
Gannett---------	Limitation: frost action ponding cutbanks cave	Limitation: ponding	Limitation: too sandy ponding	Limitation: wetness
Gc:				
Gus----------	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
Gf:				
Gus----------	Limitation: frost action ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
He:				
Hennings--------	Limitation: deep to water	Limitation: droughty	Limitation: erodes easily too sandy	Limitation: erodes easily droughty
HeC:				
Hennings--------	Limitation: deep to water	Limitation: slope droughty	Limitation: erodes easily too sandy	Limitation: erodes easily droughty
HeD:				
Hennings--------	Limitation: deep to water	Limitation: slope droughty	Limitation: erodes easily slope too sandy	Limitation: erodes easily slope droughty

WATER MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Features affecting-- Drainage	Irrigation	Terraces and diversions	Grassed waterways
HgE:				
Hennings	Limitation: deep to water	Limitation: slope droughty	Limitation: erodes easily slope too sandy	Limitation: erodes easily slope droughty
Anselmo	Limitation: deep to water	Limitation: slope	Limitation: slope soil blowing	Limitation: slope
Hr:				
Hoffland	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness	Limitation: wetness droughty
Hs:				
Hoffland	Limitation: ponding cutbanks cave	Limitation: ponding droughty	Limitation: too sandy ponding	Limitation: wetness droughty
Ht:				
Holt	Limitation: deep to water	Limitation: thin layer soil blowing	Limitation: area reclaim soil blowing	Limitation: area reclaim
HuC:				
Holt	Limitation: deep to water	Limitation: slope thin layer soil blowing	Limitation: area reclaim soil blowing	Limitation: area reclaim
Longpine	Limitation: deep to water	Limitation: slope soil blowing	Limitation: soil blowing depth to rock	Limitation: too arid
HuD:				
Holt	Limitation: deep to water	Limitation: slope thin layer soil blowing	Limitation: area reclaim soil blowing	Limitation: area reclaim
Longpine	Limitation: deep to water	Limitation: slope soil blowing	Limitation: soil blowing depth to rock	Limitation: too arid
HyC:				
Holt	Limitation: deep to water	Limitation: slope thin layer soil blowing	Limitation: area reclaim soil blowing	Limitation: area reclaim
Vetal	Limitation: deep to water	Limitation: soil blowing	Limitation: soil blowing	Favorable
Ic:				
Calamus	Limitation: deep to water	Limitation: fast intake soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
Id:				
Calamus	Limitation: deep to water	Limitation: fast intake soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
IgB:				
Ipage	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
IhB:				
Ipage	Limitation: deep to water	Limitation: fast intake soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
IpB:				
Ipage	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
ItB:				
Ipage	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
Tryon	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness	Limitation: wetness droughty
Jn:				
Jansen	Limitation: deep to water	Limitation: droughty	Limitation: erodes easily too sandy	Limitation: erodes easily droughty
Ke:				
Keya	Limitation: deep to water	Favorable	Favorable	Favorable
LfB:				
Libory	Favorable	Limitation: wetness droughty	Limitation: erodes easily wetness soil blowing	Limitation: erodes easily droughty

WATER MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Features affecting-- Drainage	Irrigation	Terraces and diversions	Grassed waterways
Lh:				
Lodgepole-------	Limitation: frost action percs slowly ponding	Limitation: erodes easily percs slowly ponding	Limitation: erodes easily percs slowly ponding	Limitation: erodes easily percs slowly wetness
Lo:				
Loup----------	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness	Limitation: wetness droughty
Lp:				
Loup----------	Limitation: ponding cutbanks cave	Limitation: ponding droughty	Limitation: too sandy ponding	Limitation: wetness droughty
Ma:				
Marlake---------	Limitation: ponding cutbanks cave	Limitation: ponding droughty	Limitation: too sandy ponding	Limitation: wetness droughty
McB:				
Mckelvie--------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
McD:				
Mckelvie--------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
McF:				
Mckelvie--------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
MdF:				
Mckelvie--------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
Fishberry-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy depth to rock	Limitation: slope depth to rock droughty
MeG:				
Mckelvie--------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
Fishberry-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy depth to rock	Limitation: slope depth to rock droughty
MfG:				
Mckelvie--------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
Rock Outcrop----	Limitation: deep to water	Limitation: slope depth to rock	Limitation: slope depth to rock	Limitation: slope depth to rock
MgG:				
Mckelvie--------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
Ustorthents-----	Limitation: deep to water	Limitation: fast intake slope soil blowing	Limitation: slope soil blowing	Limitation: slope
MxB:				
Meadin----------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
MxF:				
Meadin----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
Mz:				
Medihemists-----	Limitation: subsides ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
NeB:				
Nenzel----------	Limitation: deep to water	Limitation: fast intake soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty

WATER MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Features affecting-- Drainage	Irrigation	Terraces and diversions	Grassed waterways
NfB:				
Nenzel----------	Limitation: deep to water	Limitation: fast intake soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
Or:				
Ord----------	Limitation: frost action cutbanks cave	Limitation: wetness	Limitation: too sandy wetness	Favorable
OsD:				
Orpha----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: too arid droughty
OtF:				
Orpha----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope too arid droughty
Niobrara--------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope soil blowing depth to rock	Limitation: slope too arid droughty
OxG:				
Orpha----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope too arid droughty
Rock Outcrop----	Limitation: deep to water	Limitation: slope depth to rock	Limitation: slope depth to rock	Limitation: slope depth to rock
PtB:				
Pivot----------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
SfB:				
Sandose---------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: erodes easily soil blowing	Limitation: erodes easily droughty
ShB:				
Sandose---------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: erodes easily soil blowing	Limitation: erodes easily droughty
Hennings--------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: erodes easily too sandy	Limitation: erodes easily droughty
ShC:				
Sandose---------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: erodes easily soil blowing	Limitation: erodes easily droughty
Hennings--------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: erodes easily too sandy	Limitation: erodes easily droughty
ShD:				
Sandose---------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: erodes easily slope soil blowing	Limitation: erodes easily slope droughty
Hennings--------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: erodes easily slope too sandy	Limitation: erodes easily slope droughty
SnB:				
Satanta---------	Limitation: deep to water	Limitation: soil blowing	Limitation: soil blowing	Limitation: too arid
SoB:				
Simeon----------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
SvD:				
Simeon----------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
SvF:				
Simeon----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty

WATER MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Features affecting-- Drainage	Irrigation	Terraces and diversions	Grassed waterways
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
Tn:				
Tryon----------	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness	Limitation: wetness droughty
To:				
Tryon----------	Limitation: ponding cutbanks cave	Limitation: ponding droughty	Limitation: too sandy ponding	Limitation: wetness droughty
TwC:				
Tuthill---------	Limitation: deep to water	Limitation: slope droughty	Limitation: soil blowing	Limitation: too arid droughty
TwD:				
Tuthill---------	Limitation: deep to water	Limitation: slope droughty	Limitation: slope soil blowing	Limitation: slope too arid droughty
VcB:				
Valent----------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: too arid droughty
VcD:				
Valent----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: too arid droughty
VcE:				
Valent----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope too arid droughty
VcF:				
Valent----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope too arid droughty
Valent----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope too arid droughty
VcG:				
Valent----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope too arid droughty
VdD:				
Valent----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: too arid droughty
VgD:				
Valent----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: too arid droughty
Els----------	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
VhF:				
Valent----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope too arid droughty
Tryon----------	Limitation: ponding cutbanks cave	Limitation: fast intake ponding droughty	Limitation: too sandy ponding	Limitation: wetness droughty
VkB:				
Valentine-------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
VkD:				
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
VkE:				
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty

WATER MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Features affecting-- Drainage	Irrigation	Terraces and diversions	Grassed waterways
VkF:				
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
VkG:				
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
VmB:				
Valentine-------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
VmD:				
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
VnD:				
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
Duda----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy depth to rock	Limitation: depth to rock droughty
VnF:				
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
Duda----------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy depth to rock	Limitation: slope depth to rock droughty
VoD:				
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
Els----------	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
VpD:				
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
Libory----------	Favorable	Limitation: wetness droughty	Limitation: erodes easily wetness soil blowing	Limitation: erodes easily droughty
VsD:				
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
Sandose---------	Limitation: deep to water	Limitation: fast intake droughty	Limitation: erodes easily soil blowing	Limitation: erodes easily droughty
VwF:				
Valentine-------	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
Tryon----------	Limitation: ponding cutbanks cave	Limitation: fast intake ponding droughty	Limitation: too sandy ponding	Limitation: wetness droughty
VyB:				
Vetal----------	Limitation: deep to water	Limitation: fast intake soil blowing	Limitation: soil blowing	Favorable
Vz:				
Vetal----------	Limitation: deep to water	Limitation: soil blowing	Limitation: soil blowing	Favorable
W:				
Water----------	---	---	---	---

WATER MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Features affecting--			
	Drainage	Irrigation	Terraces and diversions	Grassed waterways
WeB:				
Wildhorse-------	Limitation: excess sodium cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: excess sodium excess salt droughty

WATER MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area		Embankments, Dikes, and Levees		Excavated Ponds (Aquifer-fed)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ad:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	0.65		
Ae:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	0.10		
Af:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	0.33		
AmB:							
Anselmo----------	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.96	Deep to water	1.00
AmC:							
Anselmo----------	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.96	Deep to water	1.00
An:							
Anselmo----------	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.96	Deep to water	1.00
AnC:							
Anselmo----------	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.96	Deep to water	1.00
AnD:							
Anselmo----------	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.96	Deep to water	1.00
AuF:							
Anselmo----------	55	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.96	Deep to water	1.00
		Slope	0.01				
Longpine----------	35	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.66	Thin layer	1.00	Deep to water	1.00
		Slope	0.12	Seepage	0.21		
		Seepage	0.05				
BcG:							
Blownout Land-------	75	Not rated		Not rated		Not rated	
Valentine----------	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
		Slope	0.02				
Bm:							
Bolent----------	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Depth to saturated zone	0.95	Cutbanks cave	1.00
				Seepage	0.65	Deep to water	0.02
Bn:							
Bolent----------	90	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Depth to saturated zone	0.95	Cutbanks cave	1.00
				Seepage	0.18	Deep to water	0.02
Bp:							
Bolent----------	60	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Depth to saturated zone	0.95	Cutbanks cave	1.00
				Seepage	0.65	Deep to water	0.02
Inglewood----------	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.99	Cutbanks cave	1.00
						Deep to water	0.96

WATER MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area		Embankments, Dikes, and Levees		Excavated Ponds (Aquifer-fed)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BsD:							
Busher----------	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.11	Deep to water	1.00
		Depth to bedrock	0.00	Seepage	0.08		
BvF:							
Busher----------	50	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.11	Deep to water	1.00
		Slope	0.00	Seepage	0.08		
		Depth to bedrock	0.00				
Tassel----------	35	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.74	Thin layer	1.00	Deep to water	1.00
		Slope	0.12	Seepage	0.08		
		Seepage	0.05				
Cr:							
Crowther----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	0.52		
Cs:							
Crowther----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	0.99		
Cv:							
Cullison----------	85	Somewhat limited		Very limited		Somewhat limited	
		Seepage	0.70	Depth to saturated zone	1.00	Slow refill	0.30
				Piping	0.32	Cutbanks cave	0.10
Cx:							
Cullison----------	90	Somewhat limited		Very limited		Somewhat limited	
		Seepage	0.70	Depth to saturated zone	1.00	Slow refill	0.30
				Piping	0.38	Cutbanks cave	0.10
Cy:							
Cutcomb----------	85	Very limited		Very limited		Somewhat limited	
		Seepage	1.00	Content of organic matter	1.00	Cutbanks cave	0.10
				Depth to saturated zone	1.00		
DaB:							
Dailey----------	90	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.22	Deep to water	1.00
DaD:							
Dailey----------	90	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.22	Deep to water	1.00
DfB:							
Doughboy----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Cutbanks cave	1.00
				Seepage	0.58	Deep to water	0.96
Dg:							
Doughboy----------	85	Very limited		Very limited		Somewhat limited	
		Seepage	1.00	Piping	1.00	Deep to water	0.96
				Seepage	0.09	Cutbanks cave	0.10
DtB:							
Duda----------	45	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11	Seepage	0.65		
Fishberry----------	40	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Seepage	0.23		
DuB:							
Dunday----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
DuD:							
Dunday----------	85	Very limited		Very limited		Very limited	

WATER MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Pond Reservoir Area		Embankments, Dikes, and Levees		Excavated Ponds (Aquifer-fed)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
Ec:							
Els	85	Very limited Seepage	1.00	Very limited Seepage Depth to saturated zone	1.00 0.95	Very limited Cutbanks cave Deep to water	1.00 0.02
EfB:							
Els	60	Very limited Seepage	1.00	Very limited Seepage Depth to saturated zone	1.00 0.95	Very limited Cutbanks cave Deep to water	1.00 0.02
Ipage	30	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Cutbanks cave Deep to water	1.00 0.81
Eh:							
Els	50	Very limited Seepage	1.00	Very limited Seepage Depth to saturated zone	1.00 0.95	Very limited Cutbanks cave Deep to water	1.00 0.02
Tryon	45	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 1.00	Very limited Cutbanks cave	1.00
Em:							
Els	50	Very limited Seepage	1.00	Somewhat limited Seepage Depth to saturated zone	0.99 0.95	Very limited Cutbanks cave Deep to water	1.00 0.02
Hoffland	45	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 0.99	Very limited Cutbanks cave	1.00
En:							
Els, Calcareous	50	Very limited Seepage	1.00	Somewhat limited Seepage Depth to saturated zone	0.99 0.95	Very limited Cutbanks cave Deep to water	1.00 0.02
Selia	45	Very limited Seepage	1.00	Very limited Seepage Piping Depth to saturated zone	1.00 1.00 1.00	Very limited Cutbanks cave Salty water Deep to water	1.00 0.01 0.00
Es:							
Elsmere	85	Very limited Seepage	1.00	Very limited Seepage Depth to saturated zone	1.00 0.95	Very limited Cutbanks cave Deep to water	1.00 0.02
Et:							
Elsmere	85	Very limited Seepage	1.00	Very limited Seepage Depth to saturated zone	1.00 0.95	Very limited Cutbanks cave Deep to water	1.00 0.02
Ew:							
Elsmere	50	Very limited Seepage	1.00	Very limited Seepage Depth to saturated zone	1.00 0.95	Very limited Cutbanks cave Deep to water	1.00 0.02
Loup	45	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 1.00	Very limited Cutbanks cave	1.00
FbC:							
Fishberry	90	Very limited Seepage Depth to bedrock	1.00 0.66	Very limited Thin layer Seepage	1.00 0.23	Very limited Deep to water	1.00

WATER MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Pond Reservoir Area		Embankments, Dikes, and Levees		Excavated Ponds (Aquifer-fed)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
FcF:							
Fishberry----------	55	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Seepage	0.23		
		Slope	0.08				
Duda----------	35	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.85	Deep to water	1.00
		Depth to bedrock	0.11	Seepage	0.65		
		Slope	0.00				
FdG:							
Fishberry----------	60	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	0.88	Seepage	0.23		
		Depth to bedrock	0.66				
Rock Outcrop--------	35	Not rated		Not rated		Not rated	
Fe:							
Fluvaquents, Sandy--	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	0.88		
Ga:							
Gannett----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	1.00		
Gb:							
Gannett----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	1.00		
Gc:							
Gus----------	85	Somewhat limited		Very limited		Somewhat limited	
		Seepage	0.70	Depth to saturated zone	1.00	Slow refill	0.30
				Piping	0.50	Cutbanks cave	0.10
				Seepage	0.03		
Gf:							
Gus----------	85	Somewhat limited		Very limited		Somewhat limited	
		Seepage	0.70	Depth to saturated zone	1.00	Slow refill	0.30
				Piping	0.50	Cutbanks cave	0.10
He:							
Hennings----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.00	Thin layer	0.11		
				Seepage	0.03		
HeC:							
Hennings----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.00	Thin layer	0.11		
				Seepage	0.03		
HeD:							
Hennings----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
		Depth to bedrock	0.00	Thin layer	0.11		
				Seepage	0.03		
HgE:							
Hennings----------	55	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.46	Deep to water	1.00
		Slope	0.04	Thin layer	0.11		
		Depth to bedrock	0.00				
Anselmo----------	40	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.09	Deep to water	1.00

WATER MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Pond Reservoir Area		Embankments, Dikes, and Levees		Excavated Ponds (Aquifer-fed)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Slope	0.02				
Hr:							
Hoffland----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	0.99		
Hs:							
Hoffland----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	0.99		
Ht:							
Holt----------	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.91	Deep to water	1.00
		Depth to bedrock	0.17	Seepage	0.07		
				Piping	0.02		
HuC:							
Holt----------	55	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.91	Deep to water	1.00
		Depth to bedrock	0.17	Seepage	0.09		
				Piping	0.02		
Longpine----------	30	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.66	Thin layer	1.00	Deep to water	1.00
		Seepage	0.05	Seepage	0.08		
HuD:							
Holt----------	50	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.91	Deep to water	1.00
		Depth to bedrock	0.17	Seepage	0.09		
				Piping	0.02		
Longpine----------	35	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.66	Thin layer	1.00	Deep to water	1.00
		Seepage	0.05	Seepage	0.08		
HyC:							
Holt----------	60	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.91	Deep to water	1.00
		Depth to bedrock	0.17	Seepage	0.09		
				Piping	0.02		
Vetal----------	35	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.57	Deep to water	1.00
Ic:							
Calamus----------	90	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.99	Cutbanks cave	1.00
						Deep to water	0.96
Id:							
Calamus----------	90	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.99	Cutbanks cave	1.00
						Deep to water	0.96
IgB:							
Ipage----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Cutbanks cave	1.00
						Deep to water	0.81
IhB:							
Ipage----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Cutbanks cave	1.00
						Deep to water	0.81
IpB:							
Ipage----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Cutbanks cave	1.00
						Deep to water	0.81
ItB:							
Ipage----------	65	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Cutbanks cave	1.00
						Deep to water	0.81
Tryon----------	30	Very limited		Very limited		Very limited	

WATER MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Pond Reservoir Area		Embankments, Dikes, and Levees		Excavated Ponds (Aquifer-fed)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	1.00		
Jn:							
Jansen----------	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.97	Deep to water	1.00
Ke:							
Keya----------	90	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.95	Deep to water	1.00
LfB:							
Libory----------	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Piping	0.97	Cutbanks cave	1.00
				Seepage	0.97	Slow refill	0.30
				Depth to saturated zone	0.95	Deep to water	0.02
Lh:							
Lodgepole----------	90	Somewhat limited		Very limited		Somewhat limited	
		Seepage	0.70	Depth to saturated zone	1.00	Slow refill	0.30
						Cutbanks cave	0.10
Lo:							
Loup----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	1.00		
Lp:							
Loup----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	1.00		
Ma:							
Marlake----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	1.00		
McB:							
Mckelvie----------	90	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.99	Deep to water	1.00
McD:							
Mckelvie----------	90	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.99	Deep to water	1.00
McF:							
Mckelvie----------	90	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.99	Deep to water	1.00
		Slope	0.12				
MdF:							
Mckelvie----------	60	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.99	Deep to water	1.00
		Slope	0.01				
Fishberry----------	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Depth to bedrock	0.66	Seepage	0.23		
		Slope	0.12				
MeG:							
Mckelvie----------	65	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.99	Deep to water	1.00
		Slope	0.76				
Fishberry----------	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Thin layer	1.00	Deep to water	1.00
		Slope	0.88	Seepage	0.23		
		Depth to bedrock	0.66				
MfG:							
Mckelvie----------	65	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.99	Deep to water	1.00

WATER MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Pond Reservoir Area		Embankments, Dikes, and Levees		Excavated Ponds (Aquifer-fed)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Slope	0.88				
Rock Outcrop--------	30	Very limited Seepage Depth to bedrock Slope	 1.00 1.00 0.88	Very limited Thin layer	 1.00	Very limited Deep to water	 1.00
MgG:							
Mckelvie----------	60	Very limited Seepage Slope	 1.00 0.88	Somewhat limited Seepage	 0.99	Very limited Deep to water	 1.00
Ustorthents---------	25	Very limited Seepage Slope	 1.00 0.88	Somewhat limited Seepage	 0.65	Very limited Deep to water	 1.00
MxB:							
Meadin----------	85	Very limited Seepage	 1.00	Somewhat limited Seepage	 0.91	Very limited Deep to water	 1.00
MxF:							
Meadin----------	85	Very limited Seepage Slope	 1.00 0.06	Somewhat limited Seepage	 0.91	Very limited Deep to water	 1.00
Mz:							
Medihemists---------	85	Very limited Seepage	 1.00	Very limited Content of organic matter Depth to saturated zone	 1.00 1.00	Very limited Cutbanks cave	 1.00
NeB:							
Nenzel----------	90	Very limited Seepage	 1.00	Somewhat limited Seepage	 0.99	Very limited Cutbanks cave Deep to water	 1.00 0.81
NfB:							
Nenzel----------	90	Very limited Seepage	 1.00	Somewhat limited Seepage Piping	 0.99 0.40	Very limited Cutbanks cave Deep to water	 1.00 0.81
Or:							
Ord----------	85	Very limited Seepage	 1.00	Somewhat limited Seepage Depth to saturated zone	 0.96 0.95	Very limited Cutbanks cave Deep to water	 1.00 0.02
OsD:							
Orpha----------	90	Very limited Seepage	 1.00	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
OtF:							
Orpha----------	60	Very limited Seepage Slope	 1.00 0.12	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
Niobrara----------	35	Somewhat limited Depth to bedrock Slope Seepage	 0.66 0.12 0.05	Very limited Seepage Thin layer	 1.00 1.00	Very limited Deep to water	 1.00
OxG:							
Orpha----------	65	Very limited Seepage Slope	 1.00 0.64	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
Rock Outcrop--------	30	Very limited Seepage Depth to bedrock Slope	 1.00 1.00 0.88	Very limited Thin layer	 1.00	Very limited Deep to water	 1.00
PtB:							
Pivot----------	85	Very limited Seepage	 1.00	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
SfB:							
Sandose----------	85	Very limited Seepage	 1.00	Somewhat limited Seepage	 0.20	Very limited Deep to water	 1.00

WATER MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Pond Reservoir Area		Embankments, Dikes, and Levees		Excavated Ponds (Aquifer-fed)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
ShB:							
Sandose----------	60	Very limited		Not limited		Very limited	
		Seepage	1.00			Deep to water	1.00
Hennings----------	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.17	Deep to water	1.00
		Depth to bedrock	0.00	Thin layer	0.11		
ShC:							
Sandose----------	65	Very limited		Not limited		Very limited	
		Seepage	1.00			Deep to water	1.00
Hennings----------	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.17	Deep to water	1.00
		Depth to bedrock	0.00	Thin layer	0.11		
ShD:							
Sandose----------	65	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.07	Deep to water	1.00
Hennings----------	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.17	Deep to water	1.00
		Depth to bedrock	0.00	Thin layer	0.11		
SnB:							
Satanta----------	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.49	Deep to water	1.00
SoB:							
Simeon----------	90	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.98	Deep to water	1.00
SvD:							
Simeon----------	60	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.98	Deep to water	1.00
Valentine----------	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
SvF:							
Simeon----------	60	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.98	Deep to water	1.00
		Slope	0.06				
Valentine----------	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
		Slope	0.06				
Tn:							
Tryon----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	1.00		
To:							
Tryon----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	1.00		
TwC:							
Tuthill----------	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.98	Deep to water	1.00
TwD:							
Tuthill----------	90	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.65	Deep to water	1.00
VcB:							
Valent----------	95	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
VcD:							
Valent----------	95	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
VcE:							
Valent----------	95	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00

WATER MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Pond Reservoir Area		Embankments, Dikes, and Levees		Excavated Ponds (Aquifer-fed)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Slope	0.06				
VcF:							
Valent----------	65	Very limited Seepage Slope	 1.00 0.06	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
Valent----------	30	Very limited Seepage Slope	 1.00 0.92	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
VcG:							
Valent----------	99	Very limited Seepage Slope	 1.00 0.92	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
VdD:							
Valent----------	90	Very limited Seepage	 1.00	Somewhat limited Seepage	 1.00	Very limited Deep to water	 1.00
VgD:							
Valent----------	55	Very limited Seepage	 1.00	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
Els----------	40	Very limited Seepage	 1.00	Very limited Seepage Depth to saturated zone	 1.00 0.95	Very limited Cutbanks cave Deep to water	 1.00 0.02
VhF:							
Valent----------	65	Very limited Seepage Slope	 1.00 0.01	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
Tryon----------	34	Very limited Seepage	 1.00	Very limited Depth to saturated zone Seepage	 1.00 1.00	Very limited Cutbanks cave	 1.00
VkB:							
Valentine----------	90	Very limited Seepage	 1.00	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
VkD:							
Valentine----------	95	Very limited Seepage	 1.00	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
VkE:							
Valentine----------	95	Very limited Seepage Slope	 1.00 0.06	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
VkF:							
Valentine----------	65	Very limited Seepage Slope	 1.00 0.06	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
Valentine----------	30	Very limited Seepage Slope	 1.00 0.92	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
VkG:							
Valentine----------	99	Very limited Seepage Slope	 1.00 0.92	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
VmB:							
Valentine----------	90	Very limited Seepage	 1.00	Somewhat limited Seepage	 0.70	Very limited Deep to water	 1.00
VmD:							
Valentine----------	90	Very limited Seepage	 1.00	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
VnD:							
Valentine----------	60	Very limited Seepage	 1.00	Very limited Seepage	 1.00	Very limited Deep to water	 1.00
Duda----------	30	Very limited Seepage	 1.00	Somewhat limited Thin layer	 0.85	Very limited Deep to water	 1.00

WATER MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Pond Reservoir Area		Embankments, Dikes, and Levees		Excavated Ponds (Aquifer-fed)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Depth to bedrock	0.11	Seepage	0.65		
VnF:							
Valentine----------	60	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
		Slope	0.06				
Duda----------	25	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.98	Deep to water	1.00
		Depth to bedrock	0.11	Thin layer	0.85		
		Slope	0.00				
VoD:							
Valentine----------	55	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
Els----------	40	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Cutbanks cave	1.00
				Depth to saturated zone	0.95	Deep to water	0.02
VpD:							
Valentine----------	65	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
Libory----------	33	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Cutbanks cave	1.00
				Seepage	0.97	Deep to water	0.02
				Depth to saturated zone	0.95		
VsD:							
Valentine----------	60	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
Sandose----------	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Deep to water	1.00
				Seepage	0.58		
VwF:							
Valentine----------	65	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Deep to water	1.00
		Slope	0.01				
Tryon----------	34	Very limited		Very limited		Very limited	
		Seepage	1.00	Depth to saturated zone	1.00	Cutbanks cave	1.00
				Seepage	1.00		
VyB:							
Vetal----------	90	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.39	Deep to water	1.00
Vz:							
Vetal----------	90	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.09	Deep to water	1.00
W:							
Water----------	100	Not rated		Not rated		Not rated	
WeB:							
Wildhorse----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Cutbanks cave	1.00
				Seepage	0.99	Deep to water	0.07
				Depth to saturated zone	0.84		

SANITARY FACILITIES
Cherry County, Nebraska

Sanitary Facilities

The following tables show the degree and kind of soil limitations that affect septic tank absorption fields, sewage lagoons, sanitary landfills, and daily cover for landfill. The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect these uses. Not limited indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. Slightly limited indicates that the soil has features that are favorable for the specified use. The limitations are minor and can be easily overcome. Good performance and low maintenance can be expected. Somewhat limited indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. Very limited indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Septic tank absorption fields are areas in which effluent from a septic tank is distributed into the soil through subsurface tiles or perforated pipe. Only that part of the soil between depths of 24 and 60 inches is evaluated. The ratings are based on the soil properties that affect absorption of the effluent, construction and maintenance of the system, and public health. Permeability, depth to a water table, ponding, depth to bedrock or a cemented pan, and flooding affect absorption of the effluent. Stones and boulders, ice, and bedrock or a cemented pan interfere with installation. Subsidence interferes with installation and maintenance. Excessive slope may cause lateral seepage and surfacing of the effluent in downslope areas.

Some soils are underlain by loose sand and gravel or fractured bedrock at a depth of less than 4 feet below the distribution lines. In these soils the absorption field may not adequately filter the effluent, particularly when the system is new. As a result, the ground water may become contaminated.

Sewage lagoons are shallow ponds constructed to hold sewage while aerobic bacteria decompose the solid and liquid wastes. Lagoons should have a nearly level floor surrounded by cut slopes or embankments of compacted soil. Nearly impervious soil material for the lagoon floor and sides is required to minimize seepage and contamination of ground water. Considered in the ratings are slope, permeability, depth to a water table, ponding, depth to bedrock or a cemented pan, flooding, large stones, and content of organic matter.

Soil permeability is a critical property affecting the suitability for sewage lagoons. Most porous soils eventually become sealed when they are used as sites for sewage lagoons. Until sealing occurs, however, the hazard of pollution is severe. Soils that have a permeability rate of more than 2 inches per hour are too porous for the proper functioning of sewage lagoons. In these soils, seepage of the effluent can result in contamination of the ground water. Ground-water contamination is also a hazard if fractured bedrock is within a depth of 40 inches, if the water table is high enough to raise the level of sewage in the lagoon, or if floodwater overtops the lagoon.

A high content of organic matter is detrimental to proper functioning of the lagoon because it inhibits aerobic activity. Slope, bedrock, and cemented pans can cause construction problems, and large stones can hinder compaction of the lagoon floor. If the lagoon is to be uniformly deep throughout, the slope must be gentle enough and the soil material must be thick enough over bedrock or a cemented pan to make land smoothing practical.

A trench sanitary landfill is an area where solid waste is placed in successive layers in an excavated trench. The waste is spread, compacted, and covered daily with a thin layer of soil excavated at the site. When the trench is full, a final cover of soil material at least 2 feet thick is placed over the landfill. The ratings in the table are based on the soil properties that affect the risk of pollution, the ease of excavation, trafficability, and revegetation. These properties include permeability, depth to bedrock or a cemented pan, depth to a water table, ponding, slope, flooding, texture, stones and boulders, highly organic layers, soil reaction, and content of salts and sodium. Unless otherwise stated, the ratings apply only to that part of the soil within a depth of about 6 feet. For deeper trenches, onsite investigation may be needed.

Hard, nonrippable bedrock, creviced bedrock, or highly permeable strata in or directly below the proposed trench bottom can affect the ease of excavation and the hazard of ground-water pollution. Slope affects construction of the trenches and the movement of surface water around the landfill. It also affects the construction and performance of roads in areas of the landfill.

Soil texture and consistence affect the ease with which the trench is dug and the ease with which the soil can be used as daily or final cover. They determine the workability of the soil when dry and when wet. Soils that are plastic and sticky when wet are difficult to excavate, grade, or compact and are difficult to place as a uniformly thick cover over a layer of refuse.

The soil material used as the final cover for a trench landfill should be suitable for plants. It should not have excess sodium or salts and should not be too acid. The surface layer generally has the best workability, the highest content of organic matter, and the best potential for plants. Material from the surface layer should be stockpiled for use as the final cover.

SANITARY FACILITIES
Cherry County, Nebraska

In an area sanitary landfill, solid waste is placed in successive layers on the surface of the soil. The waste is spread, compacted, and covered daily with a thin layer of soil from a source away from the site. A final cover of soil material at least 2 feet thick is placed over the completed landfill. The ratings in the table are based on the soil properties that affect trafficability and the risk of pollution. These properties include flooding, permeability, depth to a water table, ponding, slope, and depth to bedrock or a cemented pan.

Flooding is a serious problem because it can result in pollution in areas downstream from the landfill. If permeability is too rapid or if fractured bedrock, a fractured cemented pan, or the water table is close to the surface, the leachate can contaminate the water supply. Slope is a consideration because of the extra grading required to maintain roads in the steeper areas of the landfill. Also, leachate may flow along the surface of the soils in the steeper areas and cause difficult seepage problems.

Daily cover for landfill is the soil material that is used to cover compacted solid waste in an area sanitary landfill. The soil material is obtained offsite, transported to the landfill, and spread over the waste. The ratings in the table also apply to the final cover for a landfill. They are based on the soil properties that affect workability, the ease of digging, and the ease of moving and spreading the material over the refuse daily during wet and dry periods. These properties include soil texture, depth to a water table, ponding, rock fragments, slope, depth to bedrock or a cemented pan, reaction, and content of salts, sodium, or lime.

Loamy or silty soils that are free of large stones and excess gravel are the best cover for a landfill. Clayey soils may be sticky and difficult to spread; sandy soils are subject to wind erosion.

Slope affects the ease of excavation and of moving the cover material. Also, it can influence runoff, erosion, and reclamation of the borrow area.

After soil material has been removed, the soil material remaining in the borrow area must be thick enough over bedrock, a cemented pan, or the water table to permit revegetation. The soil material used as the final cover for a landfill should be suitable for plants. It should not have excess sodium, salts, or lime and should not be too acid.

SANITARY FACILITIES--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Ad:					
Almeria----------	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Ae:					
Almeria----------	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Af:					
Almeria----------	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
AmB:					
Anselmo----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.00
AmC:					
Anselmo----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.67
An:					
Anselmo----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
AnC:					
Anselmo----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.33
AnD:					
Anselmo----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Slope	0.04	Slope	1.00
AuF:					
Anselmo----------	55	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	0.84	Seepage	1.00
Longpine----------	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
BcG:					
Blownout Land-------	75	Not rated		Not rated	
Valentine----------	20	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Slope	0.96	Slope	1.00
Bm:					
Bolent----------	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Bn:					
Bolent----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Bp:					
Bolent----------	60	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
		Filtering capacity	1.00	Depth to saturated zone	1.00
Inglewood----------	30	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	0.84	Depth to saturated zone	0.17
BsD:					
Busher----------	85	Somewhat limited		Very limited	
		Depth to bedrock	0.78	Seepage	1.00
		Slope	0.00	Slope	1.00
				Depth to soft bedrock	0.42
BvF:					
Busher----------	50	Somewhat limited		Very limited	
		Depth to bedrock	0.78	Slope	1.00
		Slope	0.63	Seepage	1.00
				Depth to soft bedrock	0.42
Tassel----------	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	1.00
Cr:					
Crowther----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
				Content of organic matter	1.00
Cs:					
Crowther----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
				Content of organic matter	1.00
Cv:					
Cullison----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.50	Seepage	0.50
Cx:					
Cullison----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.50	Seepage	0.50
Cy:					
Cutcomb----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Content of organic matter	1.00
		Subsidence	1.00	Seepage	1.00
				Depth to saturated zone	1.00
DaB:					
Dailey----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.00
DaD:					
Dailey----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
DfB:					
Doughboy----------	85	Somewhat limited		Very limited	
		Depth to saturated zone	0.84	Seepage	1.00
				Depth to saturated zone	0.17
Dg:					
Doughboy----------	85	Somewhat limited		Very limited	
		Depth to saturated zone	0.84	Seepage	1.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
				Depth to saturated zone	0.17
DtB:					
Duda----------	45	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.00
Fishberry----------	40	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	1.00
				Slope	0.00
DuB:					
Dunday----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.00
DuD:					
Dunday----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
Ec:					
Els----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
EfB:					
Els----------	60	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Ipage----------	30	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	0.71
				Slope	0.00
Eh:					
Els----------	50	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Tryon----------	45	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Em:					
Els----------	50	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Hoffland----------	45	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
En:					
Els, Calcareous-----	50	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Selia----------	45	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Es:					
Elsmere----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
		Filtering capacity	1.00	Depth to saturated zone	1.00
Et:					
Elsmere----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Ew:					
Elsmere----------	50	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Loup----------	45	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
FbC:					
Fishberry----------	90	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	1.00
				Slope	0.09
FcF:					
Fishberry----------	55	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
Duda----------	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Filtering capacity	1.00	Seepage	1.00
		Slope	0.37	Slope	1.00
FdG:					
Fishberry----------	60	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
Rock Outcrop--------	35	Not rated		Not rated	
Fe:					
Fluvaquents, Sandy--	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Ga:					
Gannett----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Gb:					
Gannett----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
				Content of organic matter	1.00
Gc:					
Gus----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.50	Seepage	0.50
Gf:					
Gus----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.50	Seepage	0.50
He:					
Hennings----------	85	Very limited		Very limited	

SANITARY FACILITIES--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Septic tank absorption fields: Rating class and limiting features	Value	Sewage lagoons: Rating class and limiting features	Value
		Filtering capacity	1.00	Seepage	1.00
		Depth to bedrock	0.78	Depth to soft bedrock	0.42
		Restricted permeability	0.50		
HeC:					
Hennings----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to bedrock	0.78	Depth to soft bedrock	0.42
		Restricted permeability	0.50	Slope	0.33
HeD:					
Hennings----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to bedrock	0.78	Slope	1.00
		Restricted permeability	0.50	Depth to soft bedrock	0.42
		Slope	0.04		
HgE:					
Hennings----------	55	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
		Depth to bedrock	0.78	Depth to soft bedrock	0.42
Anselmo----------	40	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	0.96	Seepage	1.00
Hr:					
Hoffland----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Hs:					
Hoffland----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Ht:					
Holt----------	85	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	1.00
HuC:					
Holt----------	55	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	1.00
				Slope	0.33
Longpine----------	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	1.00
				Slope	0.33
HuD:					
Holt----------	50	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.00	Slope	1.00
				Seepage	1.00
Longpine----------	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.00	Seepage	1.00
				Slope	1.00
HyC:					
Holt----------	60	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
				Seepage	1.00
				Slope	0.33
Vetal----------	35	Very limited		Very limited	

SANITARY FACILITIES--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
		Filtering capacity	1.00	Seepage	1.00
Ic:					
Calamus----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	0.84	Depth to saturated zone	0.17
Id:					
Calamus----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	0.84	Depth to saturated zone	0.17
IgB:					
Ipage----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	0.71
				Slope	0.00
IhB:					
Ipage----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	0.71
				Slope	0.00
IpB:					
Ipage----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	0.71
				Slope	0.00
ItB:					
Ipage----------	65	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	0.71
				Slope	0.00
Tryon----------	30	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Jn:					
Jansen----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50		
Ke:					
Keya----------	90	Somewhat limited		Somewhat limited	
		Restricted permeability	0.50	Seepage	0.50
LfB:					
Libory----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Restricted permeability	0.50	Depth to saturated zone	1.00
				Slope	0.00
Lh:					
Lodgepole----------	90	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Seepage	0.50
Lo:					
Loup----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
Lp:					
Loup----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
		Filtering capacity	1.00	Depth to saturated zone	1.00
Ma:					
Marlake----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
				Content of organic matter	1.00
McB:					
Mckelvie----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.00
McD:					
Mckelvie----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
McF:					
Mckelvie----------	90	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
MdF:					
Mckelvie----------	60	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	0.84	Seepage	1.00
Fishberry----------	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	1.00
MeG:					
Mckelvie----------	65	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
Fishberry----------	20	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	1.00
MfG:					
Mckelvie----------	65	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
Rock Outcrop--------	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
MgG:					
Mckelvie----------	60	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
Ustorthents---------	25	Very limited		Very limited	
		Slope	1.00	Slope	1.00
				Seepage	1.00
MxB:					
Meadin----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.00
MxF:					
Meadin----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Slope	1.00	Slope	1.00
Mz:					
Medihemists---------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
		Subsidence	1.00	Content of organic matter	1.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
NeB:					
Nenzel----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	0.71
				Slope	0.00
NfB:					
Nenzel----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	0.71
				Slope	0.00
Or:					
Ord----------	85	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
OsD:					
Orpha----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
OtF:					
Orpha----------	60	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
Niobrara----------	35	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
				Seepage	1.00
OxG:					
Orpha----------	65	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
Rock Outcrop--------	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
PtB:					
Pivot----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.00
SfB:					
Sandose----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Slope	0.00
ShB:					
Sandose----------	60	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50		
Hennings----------	30	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to bedrock	0.78	Depth to soft bedrock	0.42
		Restricted permeability	0.50	Slope	0.00
ShC:					
Sandose----------	65	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Slope	0.67
Hennings----------	30	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to bedrock	0.78	Slope	0.67
		Restricted permeability	0.50	Depth to soft bedrock	0.42

SANITARY FACILITIES--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
ShD:					
Sandose----------	65	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Slope	1.00
		Slope	0.04		
Hennings----------	30	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Depth to bedrock	0.78	Slope	1.00
		Restricted permeability	0.50	Depth to soft bedrock	0.42
		Slope	0.04		
SnB:					
Satanta----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Restricted permeability	0.50	Slope	0.00
SoB:					
Simeon----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.00
SvD:					
Simeon----------	60	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.00
Valentine----------	35	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
SvF:					
Simeon----------	60	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
Valentine----------	30	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
Tn:					
Tryon----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
To:					
Tryon----------	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
				Content of organic matter	1.00
TwC:					
Tuthill----------	85	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.67
TwD:					
Tuthill----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Slope	0.04	Slope	1.00
VcB:					
Valent----------	95	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.00
VcD:					
Valent----------	95	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
VcE:					
Valent----------	95	Very limited		Very limited	
		Slope	1.00	Slope	1.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
		Filtering capacity	1.00	Seepage	1.00
VcF:					
Valent----------	65	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
Valent----------	30	Very limited		Very limited	
		Filtering capacity	1.00	Slope	1.00
		Slope	1.00	Seepage	1.00
VcG:					
Valent----------	99	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
VdD:					
Valent----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
VgD:					
Valent----------	55	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
Els----------	40	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
				Slope	0.00
VhF:					
Valent----------	65	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Slope	0.84	Slope	1.00
Tryon----------	34	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
VkB:					
Valentine----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.00
VkD:					
Valentine----------	95	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
VkE:					
Valentine----------	95	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
VkF:					
Valentine----------	65	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
Valentine----------	30	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
VkG:					
Valentine----------	99	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
VmB:					
Valentine----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.00
VmD:					
Valentine----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
				Slope	0.91
VnD:					
Valentine----------	60	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
Duda----------	30	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
VnF:					
Valentine----------	60	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Filtering capacity	1.00	Seepage	1.00
Duda----------	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft bedrock	1.00
		Filtering capacity	1.00	Slope	1.00
		Slope	0.63	Seepage	1.00
VoD:					
Valentine----------	55	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
Els----------	40	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
				Slope	0.00
VpD:					
Valentine----------	65	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
Libory----------	33	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.50	Slope	0.00
VsD:					
Valentine----------	60	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.91
Sandose----------	30	Somewhat limited		Very limited	
		Restricted permeability	0.50	Seepage	1.00
				Slope	0.00
VwF:					
Valentine----------	65	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
		Slope	0.84	Slope	1.00
Tryon----------	34	Very limited		Very limited	
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
VyB:					
Vetal----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
				Slope	0.00
Vz:					
Vetal----------	90	Very limited		Very limited	
		Filtering capacity	1.00	Seepage	1.00
W:					
Water----------	100	Not rated		Not rated	
WeB:					
Wildhorse----------	90	Very limited		Very limited	

SANITARY FACILITIES--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
		Depth to saturated zone	1.00	Seepage	1.00
		Filtering capacity	1.00	Depth to saturated zone	1.00
				Slope	0.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ad:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00				
Ae:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Too Sandy	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Seepage	1.00
		Seepage	1.00	Seepage	1.00	Depth to saturated zone	1.00
		Too Sandy	1.00				
Af:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00				
AmB:							
Anselmo----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
AmC:							
Anselmo----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
An:							
Anselmo----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
AnC:							
Anselmo----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
AnD:							
Anselmo----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	0.04	Seepage	1.00
		Slope	0.04			Slope	0.04
AuF:							
Anselmo----------	55	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	0.84	Seepage	1.00
		Slope	0.84			Slope	0.84
Longpine----------	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
BcG:							
Blownout Land-------	75	Not rated		Not rated		Not rated	
Valentine----------	20	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	0.96	Seepage	1.00
		Slope	0.96			Slope	0.96
Bm:							
Bolent----------	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Seepage	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.68
		Seepage	1.00	Seepage	1.00		
Bn:							
Bolent----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Seepage	1.00
		Seepage	1.00	Seepage	1.00	Depth to saturated zone	0.68
Bp:							
Bolent----------	60	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Seepage	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.68
		Seepage	1.00	Seepage	1.00		
Inglewood----------	30	Very limited		Very limited		Very limited	

SANITARY FACILITIES--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00				
BsD:							
Busher----------	85	Very limited		Somewhat limited		Somewhat limited	
		Depth to bedrock	1.00	Slope	0.00	Seepage	0.50
		Slope	0.00			Depth to bedrock	0.42
						Slope	0.00
BvF:							
Busher----------	50	Very limited		Somewhat limited		Somewhat limited	
		Depth to bedrock	1.00	Slope	0.63	Slope	0.63
		Slope	0.63			Seepage	0.50
						Depth to bedrock	0.42
Tassel----------	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Slope	1.00			Slope	1.00
						Seepage	0.50
Cr:							
Crowther----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Seepage	1.00
		Seepage	1.00	Seepage	1.00	Depth to saturated zone	1.00
		Too Sandy	1.00			Too Sandy	0.50
Cs:							
Crowther----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
Cv:							
Cullison----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Too clayey	0.50			Too clayey	0.50
Cx:							
Cullison----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Cy:							
Cutcomb----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Seepage	1.00	Seepage	1.00	Content of organic matter	1.00
		Content of organic matter	1.00			Seepage	0.50
DaB:							
Dailey----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Too Sandy	0.50
DaD:							
Dailey----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Too Sandy	0.50
DfB:							
Doughboy----------	85	Very limited		Very limited		Somewhat limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	0.50
		Seepage	1.00	Seepage	1.00	Seepage	0.21
		Too Sandy	1.00				
Dg:							
Doughboy----------	85	Very limited		Very limited		Somewhat limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Seepage	0.21
		Seepage	1.00	Seepage	1.00		
DtB:							
Duda----------	45	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too Sandy	1.00	Seepage	1.00	Seepage	1.00
						Too Sandy	0.50
Fishberry----------	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too Sandy	1.00			Seepage	1.00
		Seepage	1.00			Too Sandy	0.50
						Gravel content	0.00
DuB:							
Dunday----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
DuD:							
Dunday----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
Ec:							
Els----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	0.68
EfB:							
Els----------	60	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	0.68
Ipage----------	30	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00				
Eh:							
Els----------	50	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	0.68
Tryon----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	1.00
Em:							
Els----------	50	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	0.68
Hoffland----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	1.00
En:							
Els, Calcareous-----	50	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	0.68
Selia----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Sodium content	1.00	Seepage	1.00	Seepage	1.00
		Seepage	1.00			Sodium content	1.00
		Too Sandy	1.00			Depth to saturated zone	0.86
Es:							
Elsmere----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	0.68
Et:							
Elsmere----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	0.68
Ew:							
Elsmere----------	50	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Too Sandy	1.00			Depth to saturated zone	0.68
Loup----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	1.00
FbC:							
Fishberry----------	90	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too Sandy	1.00			Seepage	1.00
		Seepage	1.00			Too Sandy	0.50
						Gravel content	0.01
FcF:							
Fishberry----------	55	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00				
Duda----------	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too Sandy	1.00	Seepage	1.00	Seepage	1.00
		Slope	0.37	Slope	0.37	Too Sandy	0.50
						Slope	0.37
FdG:							
Fishberry----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Seepage	1.00				
Rock Outcrop--------	35	Not rated		Not rated		Not rated	
Fe:							
Fluvaquents, Sandy--	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00				
Ga:							
Gannett----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	1.00
Gb:							
Gannett----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
Gc:							
Gus----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Gf:							
Gus----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
He:							
Hennings----------	85	Very limited		Very limited		Somewhat limited	
		Depth to bedrock	1.00	Seepage	1.00	Depth to bedrock	0.42
				Depth to bedrock	0.42		
HeC:							
Hennings----------	85	Very limited		Very limited		Somewhat limited	
		Depth to bedrock	1.00	Seepage	1.00	Depth to bedrock	0.42
				Depth to bedrock	0.42		
HeD:							
Hennings----------	85	Very limited		Very limited		Somewhat limited	
		Depth to bedrock	1.00	Seepage	1.00	Depth to bedrock	0.42
		Slope	0.04	Depth to bedrock	0.42	Slope	0.04
				Slope	0.04		
HgE:							
Hennings----------	55	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Slope	1.00
		Too Sandy	1.00	Seepage	1.00	Seepage	1.00
		Slope	1.00	Depth to bedrock	0.42	Too Sandy	0.50
						Depth to bedrock	0.42
Anselmo----------	40	Very limited		Very limited		Very limited	

SANITARY FACILITIES--Continued
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Map symbol and soil name	Pct of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Slope	0.96	Slope	0.96	Slope	0.96
Hr:							
Hoffland----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	1.00
Hs:							
Hoffland----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
Ht:							
Holt----------	85	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
				Seepage	1.00	Seepage	0.21
HuC:							
Holt----------	55	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
				Seepage	1.00	Seepage	0.21
Longpine----------	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
						Seepage	0.50
						Gravel content	0.00
HuD:							
Holt----------	50	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	0.00	Seepage	1.00	Seepage	0.21
				Slope	0.00	Slope	0.00
Longpine----------	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	0.00	Slope	0.00	Seepage	0.50
						Slope	0.00
HyC:							
Holt----------	60	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
				Seepage	1.00	Seepage	0.21
Vetal----------	35	Very limited		Very limited		Somewhat limited	
		Seepage	1.00	Seepage	1.00	Seepage	0.50
Ic:							
Calamus----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00				
Id:							
Calamus----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00				
IgB:							
Ipage----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00				
IhB:							
Ipage----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00				
IpB:							
Ipage----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00				
ItB:							
Ipage----------	65	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00				
Tryon----------	30	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Too Sandy	1.00			Depth to saturated zone	1.00
Jn:							
Jansen----------	85	Very limited		Very limited		Not limited	
		Seepage	1.00	Seepage	1.00		
Ke:							
Keya----------	90	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
LfB:							
Libory----------	85	Very limited		Very limited		Somewhat limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.68
				Seepage	1.00		
Lh:							
Lodgepole----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Too clayey	1.00			Too clayey	1.00
						Hard to compact	1.00
Lo:							
Loup----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	1.00
Lp:							
Loup----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
Ma:							
Marlake----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
McB:							
Mckelvie----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
McD:							
Mckelvie----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
McF:							
Mckelvie----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	1.00	Seepage	1.00
		Slope	1.00			Slope	1.00
MdF:							
Mckelvie----------	60	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	0.84	Seepage	1.00
		Slope	0.84			Slope	0.84
Fishberry----------	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too Sandy	1.00	Slope	1.00	Seepage	1.00
		Slope	1.00			Slope	1.00
		Seepage	1.00			Too Sandy	0.50
						Gravel content	0.00
MeG:							
Mckelvie----------	65	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	1.00	Seepage	1.00
		Slope	1.00			Slope	1.00
Fishberry----------	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Too Sandy	1.00			Seepage	1.00
		Seepage	1.00			Too Sandy	0.50
						Gravel content	0.00
MfG:							
Mckelvie----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
Rock Outcrop--------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Seepage	1.00				

SANITARY FACILITIES--Continued
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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MgG:							
Mckelvie----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
Ustorthents---------	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00	Seepage	1.00	Seepage	0.50
MxB:							
Meadin----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
						Gravel content	0.88
MxF:							
Meadin----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	1.00	Seepage	1.00
		Slope	1.00			Slope	1.00
						Gravel content	0.91
Mz:							
Medihemists---------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Seepage	1.00	Seepage	1.00	Content of organic matter	1.00
		Content of organic matter	1.00			Seepage	0.50
NeB:							
Nenzel----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00				
NfB:							
Nenzel----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00				
Or:							
Ord----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	0.68
OsD:							
Orpha----------	90	Very limited		Not limited		Very limited	
		Too Sandy	1.00			Too Sandy	1.00
						Seepage	1.00
OtF:							
Orpha----------	60	Very limited		Very limited		Very limited	
		Too Sandy	1.00	Slope	1.00	Too Sandy	1.00
		Slope	1.00			Seepage	1.00
						Slope	1.00
Niobrara----------	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Slope	1.00	Depth to bedrock	1.00
		Too Sandy	1.00			Too Sandy	1.00
		Slope	1.00			Seepage	1.00
						Slope	1.00
OxG:							
Orpha----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too Sandy	1.00			Too Sandy	1.00
						Seepage	1.00
Rock Outcrop--------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Slope	1.00
		Seepage	1.00				
PtB:							
Pivot----------	85	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
SfB:							
Sandose----------	85	Very limited		Very limited		Very limited	
		Too Sandy	1.00	Seepage	1.00	Seepage	1.00
		Seepage	1.00			Too Sandy	0.50
ShB:							
Sandose----------	60	Very limited		Very limited		Not limited	
		Seepage	1.00	Seepage	1.00		
Hennings----------	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Seepage	1.00	Seepage	1.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Too Sandy	1.00	Depth to bedrock	0.42	Too Sandy	0.50
						Depth to bedrock	0.42
ShC:							
Sandose----------	65	Very limited		Very limited		Not limited	
		Seepage	1.00	Seepage	1.00		
Hennings----------	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Seepage	1.00	Seepage	1.00
				Depth to bedrock	0.42	Depth to bedrock	0.42
ShD:							
Sandose----------	65	Very limited		Very limited		Somewhat limited	
		Seepage	1.00	Seepage	1.00	Slope	0.04
		Slope	0.04	Slope	0.04		
Hennings----------	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00	Depth to bedrock	0.42	Too Sandy	0.50
		Slope	0.04	Slope	0.04	Depth to bedrock	0.42
						Slope	0.04
SnB:							
Satanta----------	85	Not limited		Not limited		Not limited	
SoB:							
Simeon----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
SvD:							
Simeon----------	60	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
Valentine----------	35	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
SvF:							
Simeon----------	60	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	1.00	Seepage	1.00
		Slope	1.00			Slope	1.00
Valentine----------	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	1.00	Seepage	1.00
		Slope	1.00			Slope	1.00
Tn:							
Tryon----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	1.00
To:							
Tryon----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
TwC:							
Tuthill----------	85	Very limited		Not limited		Very limited	
		Too Sandy	1.00			Seepage	1.00
						Too Sandy	0.50
TwD:							
Tuthill----------	90	Very limited		Somewhat limited		Very limited	
		Too Sandy	1.00	Slope	0.04	Seepage	1.00
		Slope	0.04			Too Sandy	0.50
						Slope	0.04
VcB:							
Valent----------	95	Very limited		Not limited		Very limited	
		Too Sandy	1.00			Too Sandy	1.00
						Seepage	1.00
VcD:							
Valent----------	95	Very limited		Not limited		Very limited	
		Too Sandy	1.00			Too Sandy	1.00
						Seepage	1.00
VcE:							
Valent----------	95	Very limited		Very limited		Very limited	
		Too Sandy	1.00	Slope	1.00	Too Sandy	1.00
		Slope	1.00			Seepage	1.00
						Slope	1.00
VcF:							
Valent----------	65	Very limited		Very limited		Very limited	
		Too Sandy	1.00	Slope	1.00	Too Sandy	1.00
		Slope	1.00			Seepage	1.00
						Slope	1.00
Valent----------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too Sandy	1.00			Too Sandy	1.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Seepage	1.00
VcG:							
Valent----------	99	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too Sandy	1.00			Too Sandy	1.00
						Seepage	1.00
VdD:							
Valent----------	90	Very limited		Not limited		Very limited	
		Too Sandy	1.00			Too Sandy	1.00
						Seepage	1.00
VgD:							
Valent----------	55	Very limited		Not limited		Very limited	
		Too Sandy	1.00			Too Sandy	1.00
						Seepage	1.00
Els----------	40	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	0.68
VhF:							
Valent----------	65	Very limited		Somewhat limited		Very limited	
		Too Sandy	1.00	Slope	0.84	Too Sandy	1.00
		Slope	0.84			Seepage	1.00
						Slope	0.84
Tryon----------	34	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
VkB:							
Valentine----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
VkD:							
Valentine----------	95	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
VkE:							
Valentine----------	95	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	1.00	Seepage	1.00
		Slope	1.00			Slope	1.00
VkF:							
Valentine----------	65	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	1.00	Seepage	1.00
		Slope	1.00			Slope	1.00
Valentine----------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
VkG:							
Valentine----------	99	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
VmB:							
Valentine----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Too Sandy	0.50
VmD:							
Valentine----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
VnD:							
Valentine----------	60	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
Duda----------	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too Sandy	1.00	Seepage	1.00	Seepage	1.00
						Too Sandy	0.50
VnF:							
Valentine----------	60	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	1.00	Seepage	1.00
		Slope	1.00			Slope	1.00
Duda----------	25	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Too Sandy	1.00	Seepage	1.00	Too Sandy	1.00
		Slope	0.63	Slope	0.63	Seepage	1.00

SANITARY FACILITIES--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Slope	0.63
VoD:							
Valentine----------	55	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
Els----------	40	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Depth to saturated zone	0.68
VpD:							
Valentine----------	65	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
Libory----------	33	Very limited		Very limited		Somewhat limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.68
				Seepage	1.00		
VsD:							
Valentine----------	60	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
Sandose----------	30	Very limited		Very limited		Somewhat limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	0.50
		Too Sandy	1.00			Seepage	0.21
VwF:							
Valentine----------	65	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00	Slope	0.84	Seepage	1.00
		Slope	0.84			Slope	0.84
Tryon----------	34	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Seepage	1.00	Seepage	1.00	Too Sandy	1.00
		Too Sandy	1.00			Seepage	1.00
VyB:							
Vetal----------	90	Very limited		Very limited		Very limited	
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Too Sandy	0.50
Vz:							
Vetal----------	90	Very limited		Very limited		Somewhat limited	
		Seepage	1.00	Seepage	1.00	Seepage	0.50
W:							
Water----------	100	Not rated		Not rated		Not rated	
WeB:							
Wildhorse----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
		Too Sandy	1.00			Sodium content	1.00
		Sodium content	1.00			Depth to saturated zone	0.44

AGRICULTURAL WASTE MANAGEMENT
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The nature of the soil is also important in the application of organic wastes and wastewater to land as fertilizers and irrigation; it is also important when the soil is used as a medium for treatment and disposal of these wastes. Favorable soil properties are required to prevent environmental damage.

The use of organic wastes and wastewater as production resources will result in energy conservation, prevent the waste of these important resources, and prevent problems associated with their disposal. Where disposal is the goal, and a maximum amount is disposed in a minimum area to hold costs to a minimum, risk of environmental damage is the principal constraint. Where the reuse goal is pursued, and a minimum amount is applied to a maximum area to obtain the greatest benefit, environmental damage is unlikely.

Interpretations developed for waste management may include ratings for (1) manure and food processing wastes; (2) municipal sewage sludge; (3) irrigation use of wastewater; or (4) treatment of wastewater by the slow rate process, overland flow process, or rapid infiltration process. If available, these should be located in this subsection.

Soil properties are important considerations in areas where soils are used as sites for the treatment and disposal of organic waste and wastewater. Selection of soils with properties that favor waste management can help to prevent environmental damage.

The Ag-Waste tables show the degree and kind of soil limitations affecting the treatment of agricultural waste, including municipal and food-processing wastewater and effluent from lagoons or storage ponds. Municipal wastewater is the waste stream from a municipality. It contains domestic waste and may contain industrial waste. It may have received primary or secondary treatment. It is rarely untreated sewage. Food-processing wastewater results from the preparation of fruits, vegetables, milk, cheese, and meats for public consumption. In places it is high in content of sodium and chloride. In the context of these tables, the effluent in lagoons and storage ponds is from facilities used to treat or store food-processing wastewater or domestic or animal waste. Domestic and food-processing wastewater is very dilute, and the effluent from the facilities that treat or store it commonly is very low in content of carbonaceous and nitrogenous material; the content of nitrogen commonly ranges from 10 to 30 milligrams per liter. The wastewater from animal waste treatment lagoons or storage ponds, however, has much higher concentrations of these materials, mainly because the manure has not been diluted as much as the domestic waste. The content of nitrogen in this wastewater generally ranges from 50 to 2,000 milligrams per liter. When wastewater is applied, checks should be made to ensure that nitrogen, phosphorus, heavy metals, and salts are not added in excessive amounts.

The ratings in the tables are for waste management systems that not only dispose of and treat organic waste or wastewater but also are beneficial to crops (application of manure and food-processing waste, application of sewage sludge, and disposal of wastewater by irrigation)and for waste management systems that are designed only for the purpose of wastewater disposal and treatment (overland flow of wastewater, rapid infiltration of wastewater, and slow rate treatment of wastewater).

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect agricultural waste management. Not limited indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. Slightly limited indicates that the soil has features that are generally favorable for the specified use. The limitations are minor and can be easily overcome. Good performance and low maintenance can be expected. Somewhat limited indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. Very limited indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Application of manure and food-processing waste not only disposes of waste material but also can improve crop production by increasing the supply of nutrients in the soils where the material is applied. Manure is the excrement of livestock and poultry, and food-processing waste is damaged fruit and vegetables and the peelings, stems, leaves, pits, and soil particles removed in food preparation. The manure and food-processing waste are either solid, slurry, or liquid. Their nitrogen content varies. A high content of nitrogen limits the application rate. Toxic or otherwise dangerous wastes, such as those mixed with the lye used in food processing, are not considered in the ratings.

The ratings are based on the soil properties that affect absorption, plant growth, microbial activity, erodibility, the rate at which the waste is applied, and the method by which the waste is applied. The properties that affect absorption include permeability, depth to a water table, ponding, the sodium adsorption ratio, depth to bedrock or a cemented pan, and available water capacity. The properties that affect plant growth and microbial activity include reaction, the sodium adsorption ratio, salinity, and bulk density.The wind erodibility group, the soil erodibility factor K, and slope are consideredin estimating the likelihood that wind erosion or water erosion will transport the waste material from the application site. Stones, cobbles, a water table, ponding, and flooding can hinder the application of waste. Permanently frozen soils are unsuitable for waste treatment.

Application of sewage sludge not only disposes of waste material but also can improve crop production by increasing the supply of nutrients in the soils where the material is applied. In the context of this table, sewage sludge is the residual product of the treatment of municipal sewage. The solid component consists mainly of cell mass, primarily bacteria cells that developed during secondary treatment and have incorporated soluble organics into their own bodies. The sludge has small amounts of sand, silt, and other solid debris. The content of nitrogen varies. Some sludge has constituents that are toxic to plants or hazardous to the food chain, such as heavy metals and exotic organic compounds, and should be analyzed chemically prior to use.

AGRICULTURAL WASTE MANAGEMENT
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The content of water in the sludge ranges from about 98 percent to less than 40 percent. The sludge is considered liquid if it is more than about 90 percent water, slurry if it is about 50 to 90 percent water, and solid if it is less than about 50 percent water.

The ratings in the table are based on the soil properties that affect absorption, plant growth, microbial activity, erodibility, the rate at which the sludge is applied, and the method by which the sludge is applied. The properties that affect absorption, plant growth, and microbial activity include permeability, depth to a water table, ponding, the sodium adsorption ratio, depth to bedrock or a cemented pan, available water capacity, reaction, salinity, and bulk density. The wind erodibility group, the soil erodibility factor K, and slope are considered in estimating the likelihood that wind erosion or water erosion will transport the waste material from the application site. Stones, cobbles, a water table, ponding, and flooding can hinder the application of sludge. Permanently frozen soils are unsuitable for waste treatment.

Disposal of wastewater by irrigation not only disposes of municipal wastewater and wastewater from food-processing plants, lagoons, and storage ponds but also can improve crop production by increasing the amount of water available to crops. The ratings in the table are based on the soil properties that affect the design, construction, management, and performance of the irrigation system. The properties that affect design and management include the sodium adsorption ratio, depth to a water table, ponding, available water capacity, permeability, slope, and flooding. The properties that affect construction include stones, cobbles, depth to bedrock or a cemented pan, depth to a water table, and ponding.

The properties that affect performance include depth to bedrock or a cemented pan, bulk density, the sodium adsorption ratio, salinity, reaction, and the cation-exchange capacity, which is used to estimate the capacity of a soil to adsorb heavy metals. Permanently frozen soils are not suitable for disposal of wastewater by irrigation.

See the National Soil Handbook, September 1992, Part 620, for criteria used in rating soils for sanitary facilities and waste management.

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ad:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Runoff limitation	0.40	Droughty	0.04	Droughty	0.04
		Droughty	0.04				
Ae:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Flooding	1.00	Filtering capacity	1.00
		Flooding	0.60	Filtering capacity	1.00	Flooding	0.60
		Runoff limitation	0.40	Droughty	0.00	Droughty	0.00
		Droughty	0.00				
Af:							
Almeria----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Flooding	1.00	Filtering capacity	1.00
		Flooding	0.60	Filtering capacity	1.00	Flooding	0.60
		Runoff limitation	0.40	Droughty	0.07	Droughty	0.07
		Droughty	0.07				
AmB:							
Anselmo----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
AmC:							
Anselmo----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
						Too steep for surface application	0.31
An:							
Anselmo----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
AnC:							
Anselmo----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
						Too steep for surface application	0.08
AnD:							
Anselmo----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for surface application	1.00
		Slope	0.04	Slope	0.04	Filtering capacity	1.00
						Too steep for sprinkler application	0.22
AuF:							
Anselmo----------	55	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for surface application	1.00
		Slope	0.84	Slope	0.84	Filtering capacity	1.00
						Too steep for sprinkler application	0.89
Longpine----------	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Droughty	1.00	Droughty	1.00
		Droughty	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Runoff limitation	0.40	Filtering capacity	0.00	Too steep for sprinkler application	1.00
		Filtering capacity	0.00			Filtering capacity	0.00
BcG:							
Blownout Land-------	75	Not rated		Not rated		Not rated	
Valentine----------	20	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for surface application	1.00
		Slope	0.96	Slope	0.96	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.29	Too steep for sprinkler application	0.97
		Droughty	0.29			Droughty	0.29
Bm:							
Bolent----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Flooding	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Filtering capacity	1.00	Depth to saturated zone	0.95
		Flooding	0.60	Depth to saturated zone	0.95	Flooding	0.60
		Leaching limitation	0.45	Droughty	0.21	Droughty	0.21
		Droughty	0.21				
Bn:							
Bolent----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95
		Leaching limitation	0.45	Droughty	0.15	Droughty	0.15
		Droughty	0.15				
Bp:							
Bolent----------	60	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Flooding	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Filtering capacity	1.00	Depth to saturated zone	0.95
		Flooding	0.60	Depth to saturated zone	0.95	Flooding	0.60
		Leaching limitation	0.45	Droughty	0.23	Droughty	0.23
		Droughty	0.23				
Inglewood----------	30	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45				
BsD:							
Busher----------	85	Somewhat limited		Somewhat limited		Very limited	
		Filtering capacity	0.00	Filtering capacity	0.00	Too steep for surface application	1.00
		Slope	0.00	Slope	0.00	Too steep for sprinkler application	0.10
						Filtering capacity	0.00
BvF:							
Busher----------	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Too steep for surface application	1.00
		Filtering capacity	0.00	Filtering capacity	0.00	Too steep for sprinkler application	0.77
						Filtering capacity	0.00

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Tassel----------	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Droughty	1.00	Droughty	1.00
		Droughty	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Runoff limitation	0.40	Filtering capacity	0.00	Too steep for sprinkler application	1.00
		Filtering capacity	0.00			Filtering capacity	0.00
Cr:							
Crowther----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Runoff limitation	0.40				
Cs:							
Crowther----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Runoff limitation	0.40				
Cv:							
Cullison----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Runoff limitation	0.40				
Cx:							
Cullison----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Runoff limitation	0.40				
Cy:							
Cutcomb----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low adsorption	1.00	Low adsorption	1.00	Low adsorption	1.00
		Runoff limitation	0.40	Filtering capacity	0.00	Filtering capacity	0.00
		Filtering capacity	0.00				
DaB:							
Dailey----------	90	Very limited		Very limited		Very limited	
		Depth to dense layer	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Filtering capacity	1.00	Droughty	0.60	Droughty	0.60
		Droughty	0.60				
		Leaching limitation	0.45				
DaD:							
Dailey----------	90	Very limited		Very limited		Very limited	
		Depth to dense layer	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Filtering capacity	1.00	Droughty	0.72	Droughty	0.72
		Droughty	0.72			Too steep for surface application	0.66
		Leaching limitation	0.45			Too steep for sprinkler application	0.00
DfB:							
Doughboy----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
Dg:							
Doughboy----------	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Filtering capacity	0.00	Filtering capacity	0.00	Filtering capacity	0.00
DtB:							
Duda----------	45	Very limited		Very limited		Very limited	
		Droughty	1.00	Droughty	1.00	Droughty	1.00
		Leaching limitation	0.45	Depth to bedrock	0.42	Depth to bedrock	0.42

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Depth to bedrock	0.42				
Fishberry----------	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Droughty	1.00	Droughty	1.00
		Droughty	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Runoff limitation	0.40				
DuB:							
Dunday----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.08	Droughty	0.08
		Droughty	0.08				
DuD:							
Dunday----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.08	Too steep for surface application	0.66
		Droughty	0.08			Droughty	0.08
						Too steep for sprinkler application	0.00
Ec:							
Els----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95
		Droughty	0.69	Droughty	0.69	Droughty	0.69
		Leaching limitation	0.45				
EfB:							
Els----------	60	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95
		Droughty	0.66	Droughty	0.66	Droughty	0.66
		Leaching limitation	0.45				
Ipage----------	30	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.63	Droughty	0.63	Droughty	0.63
		Leaching limitation	0.45	Too acid	0.07	Too acid	0.07
		Too acid	0.02				
Eh:							
Els----------	50	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95
		Droughty	0.77	Droughty	0.77	Droughty	0.77
		Leaching limitation	0.45				
Tryon----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.55	Droughty	0.55	Droughty	0.55
		Runoff limitation	0.40				
Em:							
Els----------	50	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95
		Droughty	0.72	Droughty	0.72	Droughty	0.72
		Leaching limitation	0.45				
Hoffland----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Runoff limitation	0.40				
En:							
Els, Calcareous-----	50	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95
		Droughty	0.73	Droughty	0.73	Droughty	0.73
		Leaching limitation	0.45				
Selia----------	45	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Droughty	0.17	Droughty	0.17	Droughty	0.17
Es:							
Elsmere----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95
		Droughty	0.65	Droughty	0.65	Droughty	0.65
		Leaching limitation	0.45				
Et:							
Elsmere----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95
		Droughty	0.66	Droughty	0.66	Droughty	0.66
		Leaching limitation	0.45				
Ew:							
Elsmere----------	50	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95
		Leaching limitation	0.45	Droughty	0.32	Droughty	0.32
		Droughty	0.32				
Loup----------	45	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Runoff limitation	0.40	Droughty	0.23	Droughty	0.23
		Droughty	0.23				
FbC:							
Fishberry----------	90	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Droughty	1.00	Droughty	1.00
		Droughty	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Depth to dense layer	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Filtering capacity	1.00			Too steep for surface application	0.00
		Runoff limitation	0.40				
FcF:							
Fishberry----------	55	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Droughty	1.00	Droughty	1.00
		Droughty	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Runoff limitation	0.40			Filtering capacity	1.00
Duda----------	35	Very limited		Very limited		Very limited	

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Droughty	1.00	Droughty	1.00	Droughty	1.00
		Leaching limitation	0.45	Depth to bedrock	0.42	Too steep for surface application	1.00
		Depth to bedrock	0.42	Slope	0.37	Too steep for sprinkler application	0.59
		Slope	0.37			Depth to bedrock	0.42
FdG:							
Fishberry----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Droughty	1.00	Droughty	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Droughty	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Runoff limitation	0.40			Filtering capacity	1.00
Rock Outcrop--------	35	Not rated		Not rated		Not rated	
Fe:							
Fluvaquents, Sandy--	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Runoff limitation	0.40	Droughty	0.00	Droughty	0.00
		Droughty	0.00				
Ga:							
Gannett----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Runoff limitation	0.40				
Gb:							
Gannett----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Runoff limitation	0.40				
Gc:							
Gus----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Runoff limitation	0.40				
Gf:							
Gus----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Runoff limitation	0.40				
He:							
Hennings----------	85	Not limited		Not limited		Not limited	
HeC:							
Hennings----------	85	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.08
HeD:							
Hennings----------	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Too steep for surface application	1.00
						Too steep for sprinkler application	0.22
HgE:							
Hennings----------	55	Very limited		Very limited		Very limited	

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Droughty	0.05	Droughty	0.05	Too steep for sprinkler application	1.00
						Droughty	0.05
Anselmo----------	40	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for surface application	1.00
		Slope	0.96	Slope	0.96	Filtering capacity	1.00
						Too steep for sprinkler application	0.97
Hr:							
Hoffland----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Runoff limitation	0.40				
Hs:							
Hoffland----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Runoff limitation	0.40				
Ht:							
Holt----------	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Droughty	0.69	Droughty	0.69	Droughty	0.69
		Depth to bedrock	0.65	Depth to bedrock	0.65	Depth to bedrock	0.65
HuC:							
Holt----------	55	Somewhat limited		Somewhat limited		Somewhat limited	
		Droughty	0.78	Droughty	0.78	Droughty	0.78
		Depth to bedrock	0.65	Depth to bedrock	0.65	Depth to bedrock	0.65
						Too steep for surface application	0.08
Longpine----------	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Droughty	1.00	Droughty	1.00
		Droughty	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Runoff limitation	0.40	Filtering capacity	0.00	Too steep for surface application	0.08
		Filtering capacity	0.00			Filtering capacity	0.00
HuD:							
Holt----------	50	Somewhat limited		Somewhat limited		Very limited	
		Droughty	0.82	Droughty	0.82	Too steep for surface application	1.00
		Depth to bedrock	0.65	Depth to bedrock	0.65	Droughty	0.82
		Sodium content	0.08	Sodium content	0.08	Depth to bedrock	0.65
		Slope	0.00	Slope	0.00	Too steep for sprinkler application	0.10
						Sodium content	0.08
Longpine----------	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Droughty	1.00	Droughty	1.00
		Droughty	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Runoff limitation	0.40	Filtering capacity	0.00	Too steep for surface application	1.00
		Filtering capacity	0.00	Slope	0.00	Too steep for sprinkler application	0.10
		Slope	0.00			Filtering capacity	0.00
HyC:							
Holt----------	60	Somewhat limited		Somewhat limited		Somewhat limited	
		Droughty	0.86	Droughty	0.86	Droughty	0.86
		Depth to bedrock	0.65	Depth to bedrock	0.65	Depth to bedrock	0.65
						Too steep for surface application	0.08

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Vetal----------	35	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
Ic:							
Calamus----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45				
Id:							
Calamus----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45				
IgB:							
Ipage----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.60	Droughty	0.60	Droughty	0.60
		Leaching limitation	0.45	Too acid	0.07	Too acid	0.07
		Too acid	0.02				
IhB:							
Ipage----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.60	Droughty	0.60	Droughty	0.60
		Leaching limitation	0.45				
IpB:							
Ipage----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.37	Droughty	0.37
		Droughty	0.37	Too acid	0.07	Too acid	0.07
		Too acid	0.02				
ItB:							
Ipage----------	65	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.60	Droughty	0.60	Droughty	0.60
		Leaching limitation	0.45	Too acid	0.07	Too acid	0.07
		Too acid	0.02				
Tryon----------	30	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.50	Droughty	0.50	Droughty	0.50
		Runoff limitation	0.40				
Jn:							
Jansen----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Too acid	0.02	Too acid	0.07	Too acid	0.07
Ke:							
Keya----------	90	Not limited		Not limited		Not limited	
LfB:							
Libory----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95
		Leaching limitation	0.45				
Lh:							
Lodgepole----------	90	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Runoff limitation	0.40				
Lo:							
Loup----------	90	Very limited		Very limited		Very limited	

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Runoff limitation	0.40	Droughty	0.20	Droughty	0.20
		Droughty	0.20				
Lp:							
Loup----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Runoff limitation	0.40	Droughty	0.16	Droughty	0.16
		Droughty	0.16				
Ma:							
Marlake----------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.48	Droughty	0.48	Droughty	0.48
		Runoff limitation	0.40				
McB:							
Mckelvie----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.09	Droughty	0.09
		Droughty	0.09				
McD:							
Mckelvie----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.09	Too steep for surface application	0.66
		Droughty	0.09			Droughty	0.09
						Too steep for sprinkler application	0.00
McF:							
Mckelvie----------	90	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.09	Filtering capacity	1.00
		Droughty	0.09			Droughty	0.09
MdF:							
Mckelvie----------	60	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for surface application	1.00
		Slope	0.84	Slope	0.84	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.09	Too steep for sprinkler application	0.89
		Droughty	0.09			Droughty	0.09
Fishberry----------	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Droughty	1.00	Droughty	1.00
		Droughty	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Runoff limitation	0.40			Filtering capacity	1.00
MeG:							
Mckelvie----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.09	Filtering capacity	1.00
		Droughty	0.09			Droughty	0.09
Fishberry----------	20	Very limited		Very limited		Very limited	
		Slope	1.00	Droughty	1.00	Droughty	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Droughty	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Runoff limitation	0.40			Filtering capacity	1.00
MfG:							
Mckelvie----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.09	Filtering capacity	1.00
		Droughty	0.09			Droughty	0.09
Rock Outcrop--------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Droughty	1.00	Droughty	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Low adsorption	1.00	Low adsorption	1.00	Low adsorption	1.00
		Droughty	1.00	Slope	1.00	Too steep for surface application	1.00
		Runoff limitation	0.40			Too steep for sprinkler application	1.00
MgG:							
Mckelvie----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.15	Filtering capacity	1.00
		Droughty	0.15			Droughty	0.15
Ustorthents---------	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
						Filtering capacity	1.00
MxB:							
Meadin----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.97	Droughty	0.97	Droughty	0.97
		Leaching limitation	0.45	Too acid	0.07	Too acid	0.07
		Too acid	0.02				
MxF:							
Meadin----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Droughty	0.99	Droughty	0.99	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Too acid	0.07	Droughty	0.99

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Too acid	0.02			Too acid	0.07
Mz:							
Medihemists---------	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Low adsorption	1.00	Filtering capacity	1.00
		Runoff limitation	0.40	Filtering capacity	1.00	Low adsorption	0.30
		Low adsorption	0.30				
NeB:							
Nenzel----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.04	Droughty	0.04
		Droughty	0.04				
NfB:							
Nenzel----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.09	Droughty	0.09
		Droughty	0.09				
Or:							
Ord----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95
OsD:							
Orpha----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.47	Droughty	0.47	Too steep for surface application	0.66
		Leaching limitation	0.45			Droughty	0.47
						Too steep for sprinkler application	0.00
OtF:							
Orpha----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Droughty	0.81	Droughty	0.81	Filtering capacity	1.00
		Leaching limitation	0.45			Droughty	0.81
Niobrara----------	35	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Droughty	1.00	Droughty	1.00
		Droughty	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Runoff limitation	0.40			Filtering capacity	1.00
OxG:							
Orpha----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Droughty	0.69	Droughty	0.69	Filtering capacity	1.00
		Leaching limitation	0.45			Droughty	0.69
Rock Outcrop--------	30	Very limited		Very limited		Very limited	

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Slope	1.00	Droughty	1.00	Droughty	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	1.00
		Low adsorption	1.00	Low adsorption	1.00	Low adsorption	1.00
		Droughty	1.00	Slope	1.00	Too steep for surface application	1.00
		Runoff limitation	0.40			Too steep for sprinkler application	1.00
PtB:							
Pivot----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.97	Droughty	0.97	Droughty	0.97
		Leaching limitation	0.45				
SfB:							
Sandose----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45				
ShB:							
Sandose----------	60	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45				
Hennings----------	30	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
ShC:							
Sandose----------	65	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45			Too steep for surface application	0.31
Hennings----------	30	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
						Too steep for surface application	0.31
ShD:							
Sandose----------	65	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for surface application	1.00
		Leaching limitation	0.45	Slope	0.04	Filtering capacity	1.00
		Slope	0.04			Too steep for sprinkler application	0.22
Hennings----------	30	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for surface application	1.00
		Slope	0.04	Slope	0.04	Filtering capacity	1.00
						Too steep for sprinkler application	0.22
SnB:							
Satanta----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
SoB:							
Simeon----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.26	Droughty	0.26
		Droughty	0.26				
SvD:							
Simeon----------	60	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Leaching limitation	0.45	Droughty	0.26	Droughty	0.26
		Droughty	0.26				
Valentine----------	35	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.29	Too steep for surface application	0.66
		Droughty	0.29			Droughty	0.29
						Too steep for sprinkler application	0.00
SvF:							
Simeon----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.26	Filtering capacity	1.00
		Droughty	0.26			Droughty	0.26
Valentine----------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.29	Filtering capacity	1.00
		Droughty	0.29			Droughty	0.29
Tn:							
Tryon----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.40	Droughty	0.40	Droughty	0.40
		Runoff limitation	0.40				
To:							
Tryon----------	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.41	Droughty	0.41	Droughty	0.41
		Runoff limitation	0.40				
TwC:							
Tuthill----------	85	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
						Too steep for surface application	0.31
TwD:							
Tuthill----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for surface application	1.00
		Slope	0.04	Slope	0.04	Filtering capacity	1.00
						Too steep for sprinkler application	0.22
VcB:							
Valent----------	95	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.29	Droughty	0.29
		Droughty	0.29				
VcD:							
Valent----------	95	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Leaching limitation	0.45	Droughty	0.29	Too steep for surface application	0.66
		Droughty	0.29			Droughty	0.29
						Too steep for sprinkler application	0.00
VcE:							
Valent----------	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.29	Filtering capacity	1.00
		Droughty	0.29			Droughty	0.29
VcF:							
Valent----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.29	Filtering capacity	1.00
		Droughty	0.29			Droughty	0.29
Valent----------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Filtering capacity	1.00	Slope	1.00	Too steep for surface application	1.00
		Droughty	0.75	Droughty	0.75	Too steep for sprinkler application	1.00
		Leaching limitation	0.45			Droughty	0.75
VcG:							
Valent----------	99	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.29	Filtering capacity	1.00
		Droughty	0.29			Droughty	0.29
VdD:							
Valent----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.23	Too steep for surface application	0.66
		Droughty	0.23			Droughty	0.23
						Too steep for sprinkler application	0.00
VgD:							
Valent----------	55	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.29	Too steep for surface application	0.66
		Droughty	0.29			Droughty	0.29
						Too steep for sprinkler application	0.00
Els----------	40	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Droughty	0.75	Droughty	0.75	Droughty	0.75
		Leaching limitation	0.45				
VhF:							
Valent----------	65	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for surface application	1.00
		Slope	0.84	Slope	0.84	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.29	Too steep for sprinkler application	0.89
		Droughty	0.29			Droughty	0.29
Tryon----------	34	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.81	Droughty	0.81	Droughty	0.81
		Runoff limitation	0.40				
VkB:							
Valentine----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.29	Droughty	0.29
		Droughty	0.29				
VkD:							
Valentine----------	95	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.29	Too steep for surface application	0.66
		Droughty	0.29			Droughty	0.29
						Too steep for sprinkler application	0.00
VkE:							
Valentine----------	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.29	Filtering capacity	1.00
		Droughty	0.29			Droughty	0.29
VkF:							
Valentine----------	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.29	Filtering capacity	1.00
		Droughty	0.29			Droughty	0.29
Valentine----------	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.29	Filtering capacity	1.00
		Droughty	0.29			Droughty	0.29
VkG:							
Valentine----------	99	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

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Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.29	Filtering capacity	1.00
		Droughty	0.29			Droughty	0.29
VmB:							
Valentine----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.18	Droughty	0.18
		Droughty	0.18				
VmD:							
Valentine----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.18	Too steep for surface application	0.66
		Droughty	0.18			Droughty	0.18
						Too steep for sprinkler application	0.00
VnD:							
Valentine----------	60	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.29	Too steep for surface application	0.66
		Droughty	0.29			Droughty	0.29
						Too steep for sprinkler application	0.00
Duda----------	30	Very limited		Very limited		Very limited	
		Droughty	1.00	Droughty	1.00	Droughty	1.00
		Leaching limitation	0.45	Depth to bedrock	0.42	Too steep for surface application	0.66
		Depth to bedrock	0.42			Depth to bedrock	0.42
						Too steep for sprinkler application	0.00
VnF:							
Valentine----------	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.29	Filtering capacity	1.00
		Droughty	0.29			Droughty	0.29
Duda----------	25	Very limited		Very limited		Very limited	
		Droughty	1.00	Droughty	1.00	Droughty	1.00
		Slope	0.63	Slope	0.63	Too steep for surface application	1.00
		Leaching limitation	0.45	Depth to bedrock	0.42	Too steep for sprinkler application	0.77
		Depth to bedrock	0.42			Depth to bedrock	0.42
VoD:							
Valentine----------	55	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.29	Too steep for surface application	0.66
		Droughty	0.29			Droughty	0.29
						Too steep for sprinkler application	0.00
Els----------	40	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95
		Droughty	0.78	Droughty	0.78	Droughty	0.78
		Leaching limitation	0.45				
VpD:							
Valentine----------	65	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.29	Too steep for surface application	0.66
		Droughty	0.29			Droughty	0.29
						Too steep for sprinkler application	0.00
Libory----------	33	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Depth to saturated zone	0.95
		Leaching limitation	0.45				
VsD:							
Valentine----------	60	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.29	Too steep for surface application	0.66
		Droughty	0.29			Droughty	0.29
						Too steep for sprinkler application	0.00
Sandose----------	30	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45				
VwF:							
Valentine----------	65	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for surface application	1.00
		Slope	0.84	Slope	0.84	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.29	Too steep for sprinkler application	0.89
		Droughty	0.29			Droughty	0.29
Tryon----------	34	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.61	Droughty	0.61	Droughty	0.61
		Runoff limitation	0.40				
VyB:							
Vetal----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
Vz:							
Vetal----------	90	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
W:							
Water----------	100	Not rated		Not rated		Not rated	
WeB:							
Wildhorse----------	90	Very limited		Very limited		Very limited	
		Sodium content	1.00	Sodium content	1.00	Sodium content	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	1.00	Droughty	1.00	Droughty	1.00
		Depth to saturated zone	0.84	Depth to saturated zone	0.84	Depth to saturated zone	0.84

AGRICULTURAL WASTE MANAGEMENT--Continued
Cherry County, Nebraska

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Leaching limitation	0.45	Salinity	0.00	Salinity	0.00

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Cherry County, Nebraska

In this section, hydric soils are defined and described and the hydric soils in the survey area are listed. The three essential characteristics of wetlands are hydrophytic vegetation, hydric soils, and wetland hydrology (Cowardin and others, 1979; U.S. Army Corps of Engineers, 1987; National Research Council, 1995; Tiner, 1985). Criteria for each of the characteristics must be met for areas to be identified as wetlands. Undrained hydric soils that have natural vegetation should support a dominant population of ecological wetland plant species. Hydric soils that have been converted to other uses should be capable of being restored to wetlands.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). These soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 1995). These criteria are used to identify a phase of a soil series that normally is associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (USDA, 1999) and "Keys to Soil Taxonomy"' (USDA, 1998) and in the "Soil Survey Manual" (USDA, 1993).

If soils are wet enough for a long enough period to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils in this survey area are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and others, 1996).

Hydric soils are identified by examining and describing the soil to a depth of about 20 inches. This depth may be greater if determination of an appropriate indicator so requires. It is always recommended that soils be excavated and described to the depth necessary for an understanding of the redoximorphic processes. Then, using the completed soil descriptions, soil scientists can compare the soil features required by each indicator and specify which indicators have been matched with the conditions observed in the soil. The soil can be identified as a hydric soil if at least one of the approved indicators is present.

Map units in the Hydric Soil Interpretations table meet the definition of hydric soils and, in addition, have at east one of the hydric soil indicators. This list can help in planning land uses; however, onsite investigation is recommended to determine the hydric soils on a specific site (National Research Council, 1995; Hurt and others, 1996).

Map units that are made up of hydric soils may have small areas, or inclusions, of nonhydric soils in the higher positions on the landform, and map units made up of nonhydric soils may have inclusions of hydric soils in the lower positions on the landform.

These map units, in general, do not meet the definition of hydric soils because they do not have one of the hydric soil indicators. A portion of these map units, however, may include hydric soils. Onsite investigation is recommended to determine whether hydric soils occur and the location of the included hydric soils.

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Cherry County, Nebraska

All mapunits are displayed regardless of hydric status and are listed in alpha-numeric order by mapunit symbol. The "Hydric Soils Criteria" columns indicate the conditions that caused the mapunit component to be classified as "Hydric" or "Non-Hydric". These criteria are defined in "Hydric Soils of the United States" (USDA Miscellaneous Publication No. 1491, June, 1991). See the "Criteria for Hydric Soils" endnote to determine the meaning of these columns. Spot symbols are footnoted at the end of the table.

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
Ad:							
ALMERIA LOAMY FINE SAND, CHANNELED, 0 TO 2 PERCENT SLOPES	ALMERIA	Yes	flood plain	2B3,3	YES	NO	YES
	BOLENT	No	flood plain	---	---	---	---
	FLUVAQUENTS, SANDY	Yes	flood plain	2B1,3	YES	NO	YES
Ae:							
ALMERIA FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	ALMERIA	Yes	flood plain	2B3	YES	NO	NO
	BOLENT	No	flood plain	---	---	---	---
	INGLEWOOD	No	flood plain	---	---	---	---
Af:							
ALMERIA FINE SANDY LOAM, WET, 0 TO 2 PERCENT SLOPES	ALMERIA	Yes	flood plain	2B3,3	YES	NO	YES
	FLUVAQUENTS, SANDY	Yes	flood plain	2B1,3	YES	NO	YES
	BOLENT	No	flood plain	---	---	---	---
AmB:							
ANSELMO LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	ANSELMO	No	plain	---	---	---	---
	SANDOSE	No	plain	---	---	---	---
	VALENTINE	No	hummock, interdune	---	---	---	---
AmC:							
ANSELMO LOAMY FINE SAND, 3 TO 6 PERCENT SLOPES	ANSELMO	No	hill	---	---	---	---
	HENNINGS	No	hill	---	---	---	---
	SANDOSE	No	hill	---	---	---	---
An:							
ANSELMO FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	ANSELMO	No	plain	---	---	---	---
	SANDOSE	No	plain	---	---	---	---
	HENNINGS	No	plain	---	---	---	---
AnC:							
ANSELMO FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES	ANSELMO	No	hill	---	---	---	---
	HENNINGS	No	hill	---	---	---	---
	VALENTINE	No	dune	---	---	---	---
AnD:							
ANSELMO FINE SANDY LOAM, 6 TO 11 PERCENT SLOPES	ANSELMO	No	hill	---	---	---	---
	HENNINGS	No	hill	---	---	---	---
	VALENTINE	No	dune	---	---	---	---
AuF:							
ANSELMO-LONGPINE FINE SANDY LOAMS, 9 TO 30 PERCENT SLOPES	ANSELMO	No	hill	---	---	---	---
	LONGPINE	No	hill	---	---	---	---
	HOLT	No	hill	---	---	---	---
BcG:							
BLOWNOUT LAND-VALENTINE COMPLEX, 0 TO 60 PERCENT SLOPES	BLOWNOUT LAND	Unranked	dune, interdune	---	---	---	---
	VALENTINE	No	dune, interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
Bm:							
BOLENT LOAMY FINE SAND, CHANNELED, 0 TO 2 PERCENT SLOPES	BOLENT	No	flood plain	---	---	---	---
	ALMERIA	Yes	flood plain	2B3	YES	NO	NO
	INGLEWOOD	No	flood plain	---	---	---	---
Bn:							
BOLENT FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	BOLENT	No	flood plain	---	---	---	---
	ALMERIA	Yes	flood plain	2B3	YES	NO	NO
	INGLEWOOD	No	flood plain	---	---	---	---
Bp:							
BOLENT-INGLEWOOD, CALCAREOUS LOAMY FINE SANDS, 0 TO 2 PERCENT SLOPES	BOLENT	No	flood plain	---	---	---	---
	INGLEWOOD	No	flood plain	---	---	---	---
	ALMERIA	Yes	flood plain	2B3	YES	NO	NO

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Cherry County, Nebraska

All mapunits are displayed regardless of hydric status and are listed in alpha-numeric order by mapunit symbol. The "Hydric Soils Criteria" columns indicate the conditions that caused the mapunit component to be classified as "Hydric" or "Non-Hydric". These criteria are defined in "Hydric Soils of the United States" (USDA Miscellaneous Publication No. 1491, June, 1991). See the "Criteria for Hydric Soils" endnote to determine the meaning of these columns. Spot symbols are footnoted at the end of the table.

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
BsD:							
BUSHER FINE SANDY LOAM, 6 TO 9 PERCENT SLOPES	BUSHER	No	hill	---	---	---	---
	TUTHILL	No	hill	---	---	---	---
	TASSEL	No	hill	---	---	---	---
BvF:							
BUSHER-TASSEL FINE SANDY LOAMS, 9 TO 30 PERCENT SLOPES	BUSHER	No	hill	---	---	---	---
	TASSEL	No	hill	---	---	---	---
	TUTHILL	No	hill	---	---	---	---
Cr:							
CROWTHER LOAM, 0 TO 1 PERCENT SLOPES	CROWTHER	Yes	interdune, swale	2B3	YES	NO	NO
	ELSMERE	No	hummock, interdune	---	---	---	---
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
Cs:							
CROWTHER LOAM, WET, 0 TO 1 PERCENT SLOPES	CROWTHER	Yes	interdune, swale	2B3,3	YES	NO	YES
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
	ELSMERE	No	hummock, interdune	---	---	---	---
Cv:							
CULLISON LOAM, 0 TO 1 PERCENT SLOPES	CULLISON	Yes	interdune, swale	2B3	YES	NO	NO
	ELSMERE	No	hummock, interdune	---	---	---	---
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
Cx:							
CULLISON LOAM, WET, 0 TO 1 PERCENT SLOPES	CULLISON	Yes	interdune, swale	2B3,3	YES	NO	YES
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
	ORD	No	hummock, interdune	---	---	---	---
Cy:							
CUTCOMB MUCKY PEAT, 0 TO 2 PERCENT SLOPES	CUTCOMB	Yes	fen	1,3	NO	NO	YES
	GUS	Yes	interdune, swale	2B3	YES	NO	NO
	MEDIHEMISTS	Yes	depression, fen	1,3	NO	NO	YES
DaB:							
DAILEY LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	DAILEY	No	interdune	---	---	---	---
	SANDOSE	No	plain	---	---	---	---
	VETAL	No	plain, swale	---	---	---	---
DaD:							
DAILEY LOAMY FINE SAND, 3 TO 9 PERCENT SLOPES	DAILEY	No	dune, interdune	---	---	---	---
	BUSHER	No	hill	---	---	---	---
	SANDOSE	No	hill	---	---	---	---
DfB:							
DOUGHBOY LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	DOUGHBOY	No	hummock, interdune	---	---	---	---
	LIBORY	No	hummock, interdune, interdune, swale	---	---	---	---
	NENZEL	No	hummock, interdune, interdune, swale	---	---	---	---
Dg:							
DOUGHBOY FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	DOUGHBOY	No	interdune	---	---	---	---
	LIBORY	No	hummock, interdune, interdune, stream terrace, swale	---	---	---	---
	NENZEL	No	hummock, interdune	---	---	---	---

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Cherry County, Nebraska

All mapunits are displayed regardless of hydric status and are listed in alpha-numeric order by mapunit symbol. The "Hydric Soils Criteria" columns indicate the conditions that caused the mapunit component to be classified as "Hydric" or "Non-Hydric". These criteria are defined in "Hydric Soils of the United States" (USDA Miscellaneous Publication No. 1491, June, 1991). See the "Criteria for Hydric Soils" endnote to determine the meaning of these columns. Spot symbols are footnoted at the end of the table.

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
DtB:							
DUDA-FISHBERRY LOAMY FINE SANDS, 0 TO 3 PERCENT SLOPES	DUDA	No	plain	---	---	---	---
	FISHBERRY	No	plain	---	---	---	---
	VALENTINE	No	dune, hummock, interdune, interdune	---	---	---	---
DuB:							
DUNDAY LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	DUNDAY	No	interdune	---	---	---	---
	ANSELMO	No	plain	---	---	---	---
	SANDOSE	No	plain	---	---	---	---
DuD:							
DUNDAY LOAMY FINE SAND, 3 TO 9 PERCENT SLOPES	DUNDAY	No	dune, interdune	---	---	---	---
	ANSELMO	No	hill	---	---	---	---
	SANDOSE	No	hill	---	---	---	---
Ec:							
ELS FINE SAND, 0 TO 2 PERCENT SLOPES	ELS	No	interdune, swale	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
EfB:							
ELS-IPAGE FINE SANDS, 0 TO 3 PERCENT SLOPES	ELS	No	interdune, swale	---	---	---	---
	IPAGE	No	hummock, interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
Eh:							
ELS-TRYON COMPLEX, 0 TO 2 PERCENT SLOPES	ELS	No	hummock, interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B2	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
Em:							
ELS, CALCAREOUS-HOFFLAND COMPLEX, 0 TO 2 PERCENT SLOPES	ELS	No	hummock, interdune	---	---	---	---
	HOFFLAND	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
En:							
ELS, CALCAREOUS-SELIA FINE SANDS, 0 TO 2 PERCENT SLOPES	ELS, CALCAREOUS	No	hummock, interdune	---	---	---	---
	SELIA	No	interdune, swale	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
Es:							
ELSMERE LOAMY FINE SAND, 0 TO 2 PERCENT SLOPES	ELSMERE	No	interdune, swale	---	---	---	---
	LOUP	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
Et:							
ELSMERE LOAMY FINE SAND, CALCAREOUS, 0 TO 2 PERCENT SLOPES	ELSMERE	No	interdune, swale	---	---	---	---
	HOFFLAND	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
Ew:							
ELSMERE-LOUP COMPLEX, 0 TO 2 PERCENT SLOPES	ELSMERE	No	hummock, interdune	---	---	---	---
	LOUP	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Cherry County, Nebraska

All mapunits are displayed regardless of hydric status and are listed in alpha-numeric order by mapunit symbol. The "Hydric Soils Criteria" columns indicate the conditions that caused the mapunit component to be classified as "Hydric" or "Non-Hydric". These criteria are defined in "Hydric Soils of the United States" (USDA Miscellaneous Publication No. 1491, June, 1991). See the "Criteria for Hydric Soils" endnote to determine the meaning of these columns. Spot symbols are footnoted at the end of the table.

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
FbC:							
FISHBERRY FINE SANDY LOAM, 0 TO 6 PERCENT SLOPES	FISHBERRY	No	hill	---	---	---	---
	HOLT	No	plain	---	---	---	---
	DUDA	No	hill	---	---	---	---
FcF:							
FISHBERRY-DUDA LOAMY FINE SANDS, 6 TO 30 PERCENT SLOPES	FISHBERRY	No	hill	---	---	---	---
	DUDA	No	hill	---	---	---	---
	VALENTINE	No	dune	---	---	---	---
FdG:							
FISHBERRY-ROCK OUTCROP COMPLEX, 20 TO 60 PERCENT SLOPES	FISHBERRY	No	valley side	---	---	---	---
	ROCK OUTCROP	Unranked	hill, valley side	---	---	---	---
	MCKELVIE	No	valley side	---	---	---	---
Fe:							
FLUVAQUENTS, SANDY, 0 TO 1 PERCENT SLOPES	FLUVAQUENTS, SANDY	Yes	flood plain	2B1,3	YES	NO	YES
	ALMERIA	Yes	flood plain	2B3,3	YES	NO	YES
	RIVERWASH	Unranked	flood plain	---	---	---	---
Ga:							
GANNETT LOAM, 0 TO 1 PERCENT SLOPES	GANNETT	Yes	interdune, swale	2B3	YES	NO	NO
	ELSMERE	No	hummock, interdune	---	---	---	---
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
Gb:							
GANNETT LOAM, WET, 0 TO 1 PERCENT SLOPES	GANNETT	Yes	interdune, swale	2B3,3	YES	NO	YES
	MARLAKE	Yes	depression, interdune	3,2B2	YES	NO	YES
	CUTCOMB	Yes	fen	1,3	NO	NO	YES
Gc:							
GUS CLAY LOAM, 0 TO 1 PERCENT SLOPES	GUS	Yes	interdune, swale	2B3	YES	NO	NO
	CUTCOMB	Yes	fen	1,3	NO	NO	YES
	ELSMERE	No	hummock, interdune	---	---	---	---
Gf:							
GUS CLAY LOAM, WET, 0 TO 1 PERCENT SLOPES	GUS	Yes	interdune, swale	2B3,3	YES	NO	YES
	CUTCOMB	Yes	fen	1,3	NO	NO	YES
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
He:							
HENNINGS FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	HENNINGS	No	plain	---	---	---	---
	ANSELMO	No	plain	---	---	---	---
	SANDOSE	No	plain	---	---	---	---
HeC:							
HENNINGS FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES	HENNINGS	No	hill	---	---	---	---
	SANDOSE	No	hill	---	---	---	---
	KEYA	No	swale	---	---	---	---
HeD:							
HENNINGS FINE SANDY LOAM, 6 TO 11 PERCENT SLOPES	HENNINGS	No	hill	---	---	---	---
	SANDOSE	No	hill	---	---	---	---
	LONGPINE	No	hill	---	---	---	---
HgE:							
HENNINGS-ANSELMO FINE SANDY LOAMS, 11 TO 20 PERCENT SLOPES	HENNINGS	No	hill	---	---	---	---
	ANSELMO	No	hill	---	---	---	---
	LONGPINE	No	hill	---	---	---	---
Hr:							
HOFFLAND FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	HOFFLAND	Yes	interdune, swale	2B3	YES	NO	NO
	ELSMERE	No	hummock, interdune	---	---	---	---
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Cherry County, Nebraska

All mapunits are displayed regardless of hydric status and are listed in alpha-numeric order by mapunit symbol. The "Hydric Soils Criteria" columns indicate the conditions that caused the mapunit component to be classified as "Hydric" or "Non-Hydric". These criteria are defined in "Hydric Soils of the United States" (USDA Miscellaneous Publication No. 1491, June, 1991). See the "Criteria for Hydric Soils" endnote to determine the meaning of these columns. Spot symbols are footnoted at the end of the table.

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
Hs:							
HOFFLAND FINE SANDY LOAM, WET, 0 TO 1 PERCENT SLOPES	HOFFLAND	Yes	interdune, swale	2B3,3	YES	NO	YES
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
	CULLISON	Yes	interdune, swale	2B3,3	YES	NO	YES
Ht:							
HOLT FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	HOLT	No	plain	---	---	---	---
	ANSELMO	No	plain	---	---	---	---
	LONGPINE	No	hill	---	---	---	---
HuC:							
HOLT-LONGPINE FINE SANDY LOAMS, 2 TO 6 PERCENT SLOPES	HOLT	No	hill	---	---	---	---
	LONGPINE	No	hill	---	---	---	---
	ANSELMO	No	hill, plain	---	---	---	---
HuD:							
HOLT-LONGPINE FINE SANDY LOAMS, 6 TO 9 PERCENT SLOPES	HOLT	No	hill	---	---	---	---
	LONGPINE	No	hill	---	---	---	---
	ANSELMO	No	hillside	---	---	---	---
HyC:							
HOLT-VETAL FINE SANDY LOAMS, 0 TO 6 PERCENT SLOPES	HOLT	No	hill	---	---	---	---
	VETAL	No	plain, swale	---	---	---	---
	KEYA	No	plain, swale	---	---	---	---
Ic:							
CALAMUS FINE SAND, CALCAREOUS, 0 TO 2 PERCENT SLOPES	CALAMUS	No	flood plain	---	---	---	---
	ALMERIA	Yes	flood plain	2B3	YES	NO	NO
	FLUVAQUENTS, SANDY	Yes	flood plain	2B1,3,4	YES	YES	YES
Id:							
CALAMUS LOAMY FINE SAND, CALCAREOUS, 0 TO 2 PERCENT SLOPES	CALAMUS	No	flood plain	---	---	---	---
	BOLENT	No	flood plain	---	---	---	---
	ALMERIA	Yes	flood plain	2B3	YES	NO	NO
IgB:							
IPAGE FINE SAND, 0 TO 3 PERCENT SLOPES	IPAGE	No	hummock, interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
IhB:							
IPAGE FINE SAND, CALCAREOUS, 0 TO 3 PERCENT SLOPES	IPAGE	No	hummock, interdune	---	---	---	---
	WILDHORSE	No	interdune, swale	---	---	---	---
	HOFFLAND	Yes	interdune, swale	2B3	YES	NO	NO
IpB:							
IPAGE LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	IPAGE	No	hummock, interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	3,2B2	YES	NO	YES
ItB:							
IPAGE-TRYON COMPLEX, 0 TO 3 PERCENT SLOPES	IPAGE	No	hummock, interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B2	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
Jn:							
JANSEN FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	JANSEN	No	plain	---	---	---	---
	SANDOSE	No	plain	---	---	---	---
	MEADIN	No	plain	---	---	---	---
Ke:							
KEYA LOAM, 0 TO 2 PERCENT SLOPES	KEYA	No	plain, swale	---	---	---	---
	LODGEPOLE	Yes	playa	2A	YES	NO	NO
	VETAL	No	plain, swale	---	---	---	---

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Cherry County, Nebraska

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
LfB:							
LIBORY LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	LIBORY	No	hummock, interdune	---	---	---	---
	DOUGHBOY	No	interdune, swale	---	---	---	---
	GANNETT	Yes	interdune, swale	2B3	YES	NO	NO
Lh:							
LODGEPOLE SILT LOAM, 0 TO 1 PERCENT SLOPES	LODGEPOLE	Yes	playa	2A	YES	NO	NO
	KEYA	No	plain, swale	---	---	---	---
Lo:							
LOUP FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	LOUP	Yes	interdune, swale	2B3	YES	NO	NO
	ELSMERE	No	hummock, interdune	---	---	---	---
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
Lp:							
LOUP FINE SANDY LOAM, WET, 0 TO 1 PERCENT SLOPES	LOUP	Yes	interdune, swale	2B3,3	YES	NO	YES
	GUS	Yes	interdune, swale	2B3,3	YES	NO	YES
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
Ma:							
MARLAKE FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
	TRYON	Yes	interdune, swale	2B3,3	YES	NO	YES
	GANNETT	Yes	interdune, swale	2B3,3	YES	NO	YES
McB:							
MCKELVIE LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	MCKELVIE	No	valley side	---	---	---	---
	DUDA	No	valley side	---	---	---	---
	INGLEWOOD	No	flood plain	---	---	---	---
McD:							
MCKELVIE LOAMY FINE SAND, 3 TO 9 PERCENT SLOPES	MCKELVIE	No	valley side	---	---	---	---
	ANSELMO	No	valley side	---	---	---	---
	ROCK OUTCROP	Unranked	valley side	---	---	---	---
McF:							
MCKELVIE LOAMY FINE SAND, 9 TO 30 PERCENT SLOPES	MCKELVIE	No	valley side	---	---	---	---
	FISHBERRY	No	valley side	---	---	---	---
	ROCK OUTCROP	Unranked	valley side	---	---	---	---
MdF:							
MCKELVIE-FISHBERRY LOAMY FINE SANDS, 9 TO 30 PERCENT SLOPES	MCKELVIE	No	valley side	---	---	---	---
	FISHBERRY	No	valley side	---	---	---	---
	ALMERIA	Yes	flood plain	2B3	YES	NO	NO
MeG:							
MCKELVIE-FISHBERRY-ROCK OUTCROP COMPLEX, 11 TO 60 PERCENT SLOPES	MCKELVIE	No	valley side	---	---	---	---
	FISHBERRY	No	valley side	---	---	---	---
	ROCK OUTCROP	Unranked	valley side	---	---	---	---
MfG:							
MCKELVIE-ROCK OUTCROP COMPLEX, 20 TO 60 PERCENT SLOPES	MCKELVIE	No	valley side	---	---	---	---
	ROCK OUTCROP	Unranked	valley side	---	---	---	---
	ALMERIA	Yes	flood plain	2B3	YES	NO	NO
MgG:							
MCKELVIE-USTORTHENTS COMPLEX, 20 TO 60 PERCENT SLOPES	MCKELVIE	No	valley side	---	---	---	---
	USTORTHENTS	No	valley side	---	---	---	---
	ALMERIA	Yes	flood plain	2B3	YES	NO	NO
MxB:							
MEADIN LOAMY SAND, 0 TO 3 PERCENT SLOPES	MEADIN	No	plain	---	---	---	---
	PIVOT	No	plain	---	---	---	---
	JANSEN	No	plain	---	---	---	---

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Cherry County, Nebraska

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
MxF:							
MEADIN LOAMY SAND, 3 TO 30 PERCENT SLOPES	MEADIN	No	valley side	---	---	---	---
	SIMEON	No	valley side	---	---	---	---
	PIVOT	No	valley side	---	---	---	---
Mz:							
MEDIHEMISTS, 0 TO 2 PERCENT SLOPES	MEDIHEMISTS	Yes	fen	1,3	NO	NO	YES
	CUTCOMB	Yes	fen	1,3	NO	NO	YES
	GUS	Yes	interdune, swale	2B3,3	YES	NO	YES
NeB:							
NENZEL LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	NENZEL	No	hummock, interdune	---	---	---	---
	LOUP	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
NfB:							
NENZEL LOAMY FINE SAND, CALCAREOUS, 0 TO 3 PERCENT SLOPES	NENZEL	No	hummock, interdune	---	---	---	---
	HOFFLAND	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
Or:							
ORD LOAM, 0 TO 2 PERCENT SLOPES	ORD	No	hummock, interdune	---	---	---	---
	CROWTHER	Yes	interdune, swale	2B3	YES	NO	NO
	ELSMERE	No	interdune, swale	---	---	---	---
OsD:							
ORPHA LOAMY FINE SAND, 3 TO 9 PERCENT SLOPES	ORPHA	No	valley side	---	---	---	---
	BUSHER	No	valley side	---	---	---	---
OtF:							
ORPHA-NIOBRARA LOAMY FINE SANDS, 9 TO 30 PERCENT SLOPES	ORPHA	No	valley side	---	---	---	---
	NIOBRARA	No	valley side	---	---	---	---
	ALMERIA	Yes	flood plain	2B3	YES	NO	NO
OxG:							
ORPHA-ROCK OUTCROP COMPLEX, 20 TO 60 PERCENT SLOPES	ORPHA	No	valley side	---	---	---	---
	ROCK OUTCROP	Unranked	valley side	---	---	---	---
	ALMERIA	Yes	flood plain	2B3	YES	NO	NO
PtB:							
PIVOT LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	PIVOT	No	plain	---	---	---	---
	MEADIN	No	plain	---	---	---	---
	JANSEN	No	plain	---	---	---	---
SfB:							
SANDOSE LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	SANDOSE	No	plain	---	---	---	---
	HENNINGS	No	plain	---	---	---	---
	ANSELMO	No	plain	---	---	---	---
ShB:							
SANDOSE-HENNINGS LOAMY FINE SANDS, 0 TO 3 PERCENT SLOPES	SANDOSE	No	plain	---	---	---	---
	HENNINGS	No	plain	---	---	---	---
	DUNDAY	No	plain	---	---	---	---
ShC:							
SANDOSE-HENNINGS LOAMY FINE SANDS, 3 TO 6 PERCENT SLOPES	SANDOSE	No	hill	---	---	---	---
	HENNINGS	No	hill	---	---	---	---
	LONGPINE	No	hill	---	---	---	---
ShD:							
SANDOSE-HENNINGS LOAMY FINE SANDS, 6 TO 11 PERCENT SLOPES	SANDOSE	No	hill	---	---	---	---
	HENNINGS	No	hill	---	---	---	---
	LONGPINE	No	hill	---	---	---	---

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Cherry County, Nebraska

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
SnB:							
SATANTA FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	SATANTA	No	paleoterrace	---	---	---	---
	BUSHER	No	hill	---	---	---	---
	LODGEPOLE	Yes	playa	2A	YES	NO	NO
SoB:							
SIMEON SAND, 0 TO 3 PERCENT SLOPES	SIMEON	No	plain	---	---	---	---
	VALENTINE	No	hummock	---	---	---	---
	PIVOT	No	plain	---	---	---	---
SvD:							
SIMEON-VALENTINE COMPLEX, 0 TO 9 PERCENT SLOPES	SIMEON	No	plain	---	---	---	---
	VALENTINE	No	dune	---	---	---	---
	SANDOSE	No	plain	---	---	---	---
SvF:							
SIMEON-VALENTINE COMPLEX, 9 TO 24 PERCENT SLOPES	SIMEON	No	valley side	---	---	---	---
	VALENTINE	No	dune, valley side	---	---	---	---
	MEADIN	No	valley side	---	---	---	---
Tn:							
TRYON FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
	ELS	No	hummock, interdune	---	---	---	---
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
To:							
TRYON FINE SANDY LOAM, WET, 0 TO 1 PERCENT SLOPES	TRYON	Yes	interdune, swale	2B3,3	YES	NO	YES
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
	ELS	No	hummock, interdune	---	---	---	---
TwC:							
TUTHILL FINE SANDY LOAM, 3 TO 6 PERCENT SLOPES	TUTHILL	No	hill	---	---	---	---
	BUSHER	No	hill	---	---	---	---
	LODGEPOLE	Yes	playa	2A	YES	NO	NO
TwD:							
TUTHILL FINE SANDY LOAM, 6 TO 11 PERCENT SLOPES	TUTHILL	No	hill	---	---	---	---
	BUSHER	No	hill	---	---	---	---
	LODGEPOLE	Yes	playa	2A	YES	NO	NO
VcB:							
VALENT FINE SAND, 0 TO 3 PERCENT SLOPES	VALENT	No	hummock, interdune	---	---	---	---
	SANDOSE	No	hummock, interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
VcD:							
VALENT FINE SAND, 3 TO 9 PERCENT SLOPES	VALENT	No	dune, interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	3,2B2	YES	NO	YES
VcE:							
VALENT FINE SAND, ROLLING	VALENT	No	dune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
VcF:							
VALENT COMPLEX, ROLLING AND HILLY	VALENT	No	dune	---	---	---	---
	VALENT	No	dune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
VcG:							
VALENT FINE SAND, HILLY	VALENT	No	dune	---	---	---	---
	BLOWNOUT LAND	Unranked	dune	---	---	---	---

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Cherry County, Nebraska

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
VdD:							
VALENT LOAMY FINE SAND, 3 TO 9 PERCENT SLOPES	VALENT	No	dune, interdune	---	---	---	---
	IPAGE	No	interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
VgD:							
VALENT-ELS FINE SANDS, 0 TO 9 PERCENT SLOPES	VALENT	No	dune, interdune	---	---	---	---
	ELS	No	interdune, swale	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
VhF:							
VALENT-TRYON FINE SANDS, 0 TO 24 PERCENT SLOPES	VALENT	No	dune, interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B2,3	YES	NO	YES
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
VkB:							
VALENTINE FINE SAND, 0 TO 3 PERCENT SLOPES	VALENTINE	No	hummock, interdune	---	---	---	---
	SANDOSE	No	hummock, interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
VkD:							
VALENTINE FINE SAND, 3 TO 9 PERCENT SLOPES	VALENTINE	No	dune, interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
VkE:							
VALENTINE FINE SAND, ROLLING	VALENTINE	No	dune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
VkF:							
VALENTINE COMPLEX, ROLLING AND HILLY	VALENTINE	No	dune	---	---	---	---
	VALENTINE	No	dune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
VkG:							
VALENTINE FINE SAND, HILLY	VALENTINE	No	dune	---	---	---	---
	BLOWNOUT LAND	Unranked	dune	---	---	---	---
VmB:							
VALENTINE LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	VALENTINE	No	hummock, interdune	---	---	---	---
	SANDOSE	No	hummock, interdune	---	---	---	---
	IPAGE	No	interdune, swale	---	---	---	---
VmD:							
VALENTINE LOAMY FINE SAND, 3 TO 9 PERCENT SLOPES	VALENTINE	No	dune, interdune	---	---	---	---
	ANSELMO	No	interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
VnD:							
VALENTINE-DUDA COMPLEX, 3 TO 9 PERCENT SLOPES	VALENTINE	No	dune	---	---	---	---
	DUDA	No	hill	---	---	---	---
	SANDOSE	No	plain	---	---	---	---
VnF:							
VALENTINE-DUDA COMPLEX, 9 TO 24 PERCENT SLOPES	VALENTINE	No	dune	---	---	---	---
	DUDA	No	hill	---	---	---	---
	FISHBERRY	No	hill	---	---	---	---

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Cherry County, Nebraska

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
VoD:							
VALENTINE-ELS FINE SANDS, 0 TO 9 PERCENT SLOPES	VALENTINE	No	dune, interdune	---	---	---	---
	ELS	No	interdune, swale	---	---	---	---
	TRYON	Yes	interdune, swale	2B3	YES	NO	NO
VpD:							
VALENTINE-LIBORY COMPLEX, 0 TO 9 PERCENT SLOPES	VALENTINE	No	dune, interdune	---	---	---	---
	LIBORY	No	hummock, interdune	---	---	---	---
	GANNETT	Yes	interdune, swale	2B3	YES	NO	NO
VsD:							
VALENTINE-SANDOSE COMPLEX, 0 TO 9 PERCENT SLOPES	VALENTINE	No	dune	---	---	---	---
	SANDOSE	No	plain	---	---	---	---
	JANSEN	No	plain	---	---	---	---
VwF:							
VALENTINE-TRYON FINE SANDS, 0 TO 24 PERCENT SLOPES	VALENTINE	No	dune, interdune	---	---	---	---
	TRYON	Yes	interdune, swale	2B2,3	YES	NO	YES
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES
VyB:							
VETAL LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	VETAL	No	plain	---	---	---	---
	DAILEY	No	plain	---	---	---	---
	DUNDAY	No	plain	---	---	---	---
Vz:							
VETAL FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	VETAL	No	plain	---	---	---	---
	DAILEY	No	plain	---	---	---	---
	KEYA	No	swale	---	---	---	---
W:							
WATER	WATER	Unranked	---	---	---	---	---
WeB:							
WILDHORSE FINE SAND, 0 TO 3 PERCENT SLOPES	WILDHORSE	No	hummock, interdune	---	---	---	---
	HOFFLAND	Yes	interdune, swale	2B3	YES	NO	NO
	MARLAKE	Yes	depression, interdune	2B2,3	YES	NO	YES

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Cherry County, Nebraska

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria

FOOTNOTE: There may be small areas of included soils or miscellaneous areas that are significant to use and management of the soil; yet are too small to delineate on the soil map at the map's original scale. These may be designated as spot symbols and are defined in the published Soil Survey Report or the USDA-NRCS Technical Guide, Part II.
Areas mapped as water or any map unit that contains one of the following conventional symbols is considered a hydric soil map unit: marshes or swamps; wet spots; depressions; streams, lakes and ponds.

1. All Histosols except Folists, or

2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Aquisalids, Pachic subgroups, or Cumulic subgroups that are:

   a. Somewhat poorly drained with a water table equal to 0.0 foot (ft) from the surface during the growing season, or

   b. poorly drained or very poorly drained and have either:

      (1) water table equal to 0.0 ft during the growing season if textures are coarse sand, sand, or fine sand in all layers within 20 inches (in),

      or for other soils

      (2) water table at less than or equal to 0.5 ft from the surface during the growing season if permeability is equal to or greater than 6.0 in/hour (h) in all layers within 20 in, or

      (3) water table at less than or equal to 1.0 ft from the surface during the growing season if permeability is less than 6.0 in/h in any layer within 20 in, or

3. Soils that are frequently ponded for long duration or very long duration during the growing season, or

4. Soils that are frequently flooded for long duration or very long duration during the growing season.

HIGHLY ERODIBLE LANDS REPORT

Survey Area- CHERRY COUNTY, NEBRASKA

Map Symbol	Soil Mapunit Name	HEL Classifications C=40 R=75 wnd	wat	mu
Ab	ALMERIA FINE SANDY LOAM, WET, 0 TO 2 PERCENT SLOPES	3	3	3
Ac	ALMERIA FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	3	3	3
Ad	ALMERIA LOAMY FINE SAND, CHANNELED, 0 TO 2 PERCENT SLOPES	3	3	3
An	ANSELMO FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	3	3	3
AnC	ANSELMO FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES	3	3	3
AnD	ANSELMO FINE SANDY LOAM, 6 TO 11 PERCENT SLOPES	3	3	3
AoB	ANSELMO LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1
AoC	ANSELMO LOAMY FINE SAND, 3 TO 6 PERCENT SLOPES	1	3	1
AuF	ANSELMO-LONGPINE COMPLEX, 9 TO 30 PERCENT SLOPES	1	1	1
Bc	BLOWNOUT LAND-VALENTINE COMPLEX, 0 TO 60 PERCENT SLOPES	1	2	1
Bd	BOLENT-INGLEWOOD, CALCAREOUS COMPLEX, 0 TO 2 PERCENT SLOPES	1	3	1
Bn	BOLENT FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	1	3	1
Bo	BOLENT LOAMY FINE SAND, CHANNELED, 0 TO 2 PERCENT SLOPES	1	3	1
BsD	BUSHER FINE SANDY LOAM, 6 TO 9 PERCENT SLOPES	1	3	1
BvF	BUSHER-TASSEL COMPLEX, 9 TO 30 PERCENT SLOPES	1	2	1
Cr	CROWTHER LOAM, 0 TO 1 PERCENT SLOPES	3	3	3
Cs	CROWTHER LOAM, WET, 0 TO 1 PERCENT SLOPES	3	3	3
Cv	CULLISON LOAM, 0 TO 1 PERCENT SLOPES	3	3	3
Cx	CULLISON LOAM, WET, 0 TO 1 PERCENT SLOPES	3	3	3
Cy	CUTCOMB MUCKY PEAT, 0 TO 2 PERCENT SLOPES	3	3	3
DaB	DAILEY LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1
DaD	DAILEY LOAMY FINE SAND, 3 TO 9 PERCENT SLOPES	1	3	1
DfB	DOUGHBOY LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1
Dg	DOUGHBOY FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	3	3	3
DtB	DUDA-FISHBERRY COMPLEX, 0 TO 3 PERCENT SLOPES	1	3	1
DuB	DUNDAY LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1
DuD	DUNDAY LOAMY FINE SAND, 3 TO 9 PERCENT SLOPES	1	3	1
Eo	ELS FINE SAND, 0 TO 2 PERCENT SLOPES	1	3	1
EpB	ELS-IPAGE COMPLEX, 0 TO 3 PERCENT SLOPES	1	3	1
Er	ELS-TRYON COMPLEX, 0 TO 2 PERCENT SLOPES	1	3	1
Es	ELSMERE LOAMY FINE SAND, 0 TO 2 PERCENT SLOPES	1	3	1
Et	ELSMERE LOAMY FINE SAND, CALCAREOUS, 0 TO 2 PERCENT SLOPES	3	3	3
Eu	ELS, CALCAREOUS-HOFFLAND COMPLEX, 0 TO 2 PERCENT SLOPES	1	3	1
Ew	ELSMERE-LOUP COMPLEX, 0 TO 2 PERCENT SLOPES	1	3	1
Ex	ELS, CALCAREOUS-SELIA COMPLEX, 0 TO 2 PERCENT SLOPES	1	3	1
Fe	FLUVAQUENTS, SANDY, 0 TO 1 PERCENT SLOPES	1	3	1
Ga	GANNETT LOAM, 0 TO 1 PERCENT SLOPES	3	3	3
Gb	GANNETT LOAM, WET, 0 TO 1 PERCENT SLOPES	3	3	3
Gc	GUS CLAY LOAM, 0 TO 1 PERCENT SLOPES	3	3	3
Gf	GUS CLAY LOAM, WET, 0 TO 1 PERCENT SLOPES	3	3	3
He	HENNINGS FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	3	3	3
HeC	HENNINGS FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES	3	3	3
HeD	HENNINGS FINE SANDY LOAM, 6 TO 11 PERCENT SLOPES	3	2	2
HnF	HENNINGS-ANSELMO COMPLEX, 11 TO 20 PERCENT SLOPES	3	2	2
Hr	HOFFLAND FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	3	3	3
Hs	HOFFLAND FINE SANDY LOAM, WET, 0 TO 1 PERCENT SLOPES	3	3	3
Ic	INGLEWOOD FINE SAND, CALCAREOUS, 0 TO 2 PERCENT SLOPES	1	3	1
Id	INGLEWOOD LOAMY FINE SAND, CALCAREOUS, 0 TO 2 PERCENT SLOPES	1	3	1
InB	IPAGE FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1

IpB	IPAGE LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1
ItB	IPAGE-TRYON COMPLEX, 0 TO 3 PERCENT SLOPES	1	3	1
IyB	IPAGE FINE SAND, CALCAREOUS, 0 TO 3 PERCENT SLOPES	1	3	1
Jn	JANSEN FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	1	3	1
Ke	KEYA LOAM, 0 TO 2 PERCENT SLOPES	3	3	3
LfB	LIBORY LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1
Lo	LOUP FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	3	3	3
Lp	LOUP FINE SANDY LOAM, WET, 0 TO 1 PERCENT SLOPES	3	3	3
Mm	MARLAKE FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	3	3	3
MpD	MCKELVIE LOAMY FINE SAND, 3 TO 9 PERCENT SLOPES	1	3	1
MpF	MCKELVIE LOAMY FINE SAND, 9 TO 30 PERCENT SLOPES	1	2	1
MrG	MCKELVIE-USTORTHENTS COMPLEX, 20 TO 60 PERCENT SLOPES	1	1	1
MsF	MCKELVIE-FISHBERRY COMPLEX, 9 TO 30 PERCENT SLOPES	1	1	1
MtG	MCKELVIE-ROCK OUTCROP COMPLEX, 20 TO 60 PERCENT SLOPES	1	1	1
MuG	MCKELVIE-FISHBERRY-ROCK OUTCROP COMPLEX, 11 TO 60 PERCENT SLOPES	1	1	1
MxB	MEADIN LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1
MxF	MEADIN LOAMY SAND, 3 TO 30 PERCENT SLOPES	1	3	1
Or	ORD LOAM, 0 TO 2 PERCENT SLOPES	3	3	3
OsD	ORPHA LOAMY FINE SAND, 3 TO 9 PERCENT SLOPES	1	3	1
OtF	ORPHA-NIOBRARA COMPLEX, 9 TO 30 PERCENT SLOPES	1	2	1
OtG	ORPHA-ROCK OUTCROP COMPLEX, 20 TO 60 PERCENT SLOPES	1	1	1
Rd	HOLT FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	1	3	1
RfC	HOLT-LONGPINE COMPLEX, 2 TO 6 PERCENT SLOPES	1	3	1
RfD	HOLT-LONGPINE COMPLEX, 6 TO 9 PERCENT SLOPES	1	1	1
RhC	HOLT-VETAL COMPLEX, 0 TO 6 PERCENT SLOPES	1	3	1
RkG	FISHBERRY-ROCK OUTCROP COMPLEX, 20 TO 60 PERCENT SLOPES	1	1	1
SfB	SANDOSE LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1
ShB	SANDOSE-HENNINGS COMPLEX, 0 TO 3 PERCENT SLOPES	1	3	1
ShC	SANDOSE-HENNINGS COMPLEX, 3 TO 6 PERCENT SLOPES	1	3	1
ShD	SANDOSE-HENNINGS COMPLEX, 6 TO 11 PERCENT SLOPES	1	3	1
SkB	SIMEON SAND, 0 TO 3 PERCENT SLOPES	1	3	1
SnB	SATANTA FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES	1	3	1
St	LODGEPOLE SILT LOAM, 0 TO 1 PERCENT SLOPES	3	3	3
SvD	SIMEON-VALENTINE COMPLEX, 0 TO 9 PERCENT SLOPES	1	3	1
TaC	FISHBERRY FINE SANDY LOAM, 0 TO 6 PERCENT SLOPES	1	2	1
TdF	FISHBERRY-DUDA COMPLEX, 6 TO 30 PERCENT SLOPES	1	1	1
Tn	TRYON FINE SANDY LOAM, 0 TO 1 PERCENT SLOPES	3	3	3
To	TRYON FINE SANDY LOAM, WET, 0 TO 1 PERCENT SLOPES	3	3	3
TwC	TUTHILL FINE SANDY LOAM, 3 TO 6 PERCENT SLOPES	1	3	1
TwD	TUTHILL FINE SANDY LOAM, 6 TO 11 PERCENT SLOPES	1	2	1
VaB	VALENTINE FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1
VaD	VALENTINE FINE SAND, 3 TO 9 PERCENT SLOPES	1	3	1
VaE	VALENTINE FINE SAND, ROLLING	1	2	1
VaF	VALENTINE COMPLEX, ROLLING AND HILLY	1	1	1
VaG	VALENTINE FINE SAND, HILLY	1	1	1
VbB	VALENTINE LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1
VbD	VALENTINE LOAMY FINE SAND, 3 TO 9 PERCENT SLOPES	1	3	1
VcB	VALENT FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1
VcD	VALENT FINE SAND, 3 TO 9 PERCENT SLOPES	1	3	1
VcE	VALENT FINE SAND, ROLLING	1	2	1
VcF	VALENT COMPLEX, ROLLING AND HILLY	1	2	1
VcG	VALENT FINE SAND, HILLY	1	1	1
VdD	VALENT LOAMY FINE SAND, 3 TO 9 PERCENT SLOPES	1	3	1
VfD	VALENTINE-DUDA COMPLEX, 3 TO 9 PERCENT SLOPES	1	3	1
VfE	VALENTINE-DUDA COMPLEX, 9 TO 24 PERCENT SLOPES	1	2	1
VoD	VALENTINE-ELS COMPLEX, 0 TO 9 PERCENT SLOPES	1	3	1
VpD	VALENTINE-LIBORY COMPLEX, 0 TO 9 PERCENT SLOPES	1	3	1
VsD	VALENTINE-SANDOSE COMPLEX, 0 TO 9 PERCENT SLOPES	1	3	1
VuE	VALENTINE-SIMEON COMPLEX, 9 TO 24 PERCENT SLOPES	1	2	1
VwE	VALENTINE-TRYON COMPLEX, 0 TO 24 PERCENT SLOPES	1	2	1
Vx	VETAL FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	3	3	3
VyB	VETAL LOAMY FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1

WeB	WILDHORSE FINE SAND, 0 TO 3 PERCENT SLOPES	1	3	1