

Map Unit Description (MN)

Jackson County, Minnesota

[Data apply to the entire extent of the map unit within the survey area. Map unit and soil properties for a specific parcel of land may vary somewhat and should be determined by onsite investigation]

27B--Dickinson sandy loam, 1 to 6 percent slopes

Dickinson

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 18 in	sandy loam	moderately rapid	2.17 to 2.72 in	6.1 to 7.3
Bw,BC -- 18 to 47 in	sandy loam	moderately rapid	3.45 to 4.31 in	6.1 to 6.5
C -- 47 to 60 in	sand	rapid	0.26 to 0.52 in	6.1 to 7.3

27C--Dickinson sandy loam, 6 to 12 percent slopes

Dickinson

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 18 in	sandy loam	moderately rapid	2.17 to 2.72 in	6.1 to 7.3
Bw,BC -- 18 to 47 in	sandy loam	moderately rapid	3.45 to 4.31 in	6.1 to 6.5
C -- 47 to 60 in	sand	rapid	0.26 to 0.52 in	6.1 to 7.3

Map Unit Description (MN)

Jackson County, Minnesota

35--Blue Earth mucky silt loam

Blue Earth

Extent: 95 percent of the unit

Landform(s): depressions

Slope gradient: 0 to 1 percent

Parent material: coprogenic material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .37

Land capability, nonirrigated 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 10 in	mucky silt loam	moderate	1.77 to 2.36 in	7.4 to 8.4
C -- 10 to 40 in	mucky silt loam	moderate	5.46 to 7.28 in	7.4 to 8.4
2Cg -- 40 to 60 in	silty clay loam	moderate	2.76 to 3.15 in	7.4 to 8.4

39A--Wadena loam, 0 to 2 percent slopes

Wadena

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated 2s

Hydric soil: no

Hydrologic group: B

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	loam	moderate	2.99 to 3.29 in	6.1 to 7.3
Bw,BC -- 15 to 32 in	loam	moderate	2.37 to 3.22 in	6.1 to 7.3
2C -- 32 to 60 in	stratified gravelly coarse sand to gravelly sand	rapid	0.56 to 1.12 in	6.6 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

39B--Wadena loam, 2 to 6 percent slopes

Wadena

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	loam	moderate	2.99 to 3.29 in	6.1 to 7.3
Bw,BC -- 15 to 32 in	loam	moderate	2.37 to 3.22 in	6.1 to 7.3
2C -- 32 to 60 in	stratified gravelly coarse sand to sand	rapid	0.56 to 1.12 in	6.6 to 8.4

41A--Estherville sandy loam, 0 to 2 percent slopes

Estherville

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 10 in	sandy loam	moderately rapid	1.28 to 1.77 in	6.1 to 7.3
Bw -- 10 to 20 in	sandy loam	moderately rapid	1.33 to 1.84 in	6.1 to 7.3
2C -- 20 to 60 in	gravelly coarse sand	rapid	0.80 to 1.59 in	6.6 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

41B--Estherville sandy loam, 2 to 6 percent slopes

Estherville

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 10 in	sandy loam	moderately rapid	1.28 to 1.77 in	6.1 to 7.3
Bw -- 10 to 20 in	sandy loam	moderately rapid	1.33 to 1.84 in	6.1 to 7.3
2C -- 20 to 60 in	gravelly coarse sand	rapid	0.80 to 1.59 in	6.6 to 8.4

41C--Estherville sandy loam, 6 to 12 percent slopes

Estherville

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 10 in	sandy loam	moderately rapid	1.28 to 1.77 in	6.1 to 7.3
Bw -- 10 to 20 in	sandy loam	moderately rapid	1.33 to 1.84 in	6.1 to 7.3
2C -- 20 to 60 in	gravelly coarse sand	rapid	0.80 to 1.59 in	6.6 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

86--Canisteo clay loam

Canisteo

Extent: 90 percent of the unit

Landform(s): flats

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 23 in	clay loam	moderate	4.11 to 5.02 in	7.4 to 8.4
Bg -- 23 to 40 in	clay loam	moderate	2.08 to 3.12 in	7.4 to 8.4
Cg -- 40 to 60 in	loam	moderate	2.76 to 3.15 in	7.4 to 8.4

94B--Terril loam, 2 to 6 percent slopes

Terril

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 6 percent

Parent material: colluvium

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated 2e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1,A2 -- 0 to 22 in	loam	moderate	4.41 to 4.85 in	6.1 to 7.3
A3 -- 22 to 36 in	loam	moderate	2.34 to 2.62 in	6.1 to 7.3
Bw -- 36 to 60 in	loam	moderate	3.84 to 4.32 in	6.1 to 7.8

Map Unit Description (MN)

Jackson County, Minnesota

96--Collinwood silty clay

Collinwood

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 2 percent

Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated 2e

Hydric soil: no

Hydrologic group: C

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 21 in	silty clay	moderately slow	2.92 to 3.55 in	6.1 to 7.3
Bw -- 21 to 31 in	silty clay	moderately slow	1.33 to 1.64 in	6.1 to 7.3
C1,C2 -- 31 to 60 in	silty clay loam	moderately slow	3.16 to 4.31 in	7.4 to 8.4

101B--Truman silty clay loam, 2 to 6 percent slopes

Truman

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 6 percent

Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 14 in	silty clay loam	moderate	2.83 to 3.26 in	6.1 to 7.3
Bw -- 14 to 29 in	silty clay loam	moderate	2.69 to 3.14 in	6.1 to 7.3
C -- 29 to 60 in	silt loam	moderate	5.53 to 6.14 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

102B--Clarion loam, 2 to 6 percent slopes

Clarion

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 12 in	loam	moderate	2.36 to 2.60 in	6.1 to 7.3
Bw -- 12 to 27 in	loam	moderate	2.54 to 2.84 in	6.1 to 7.3
C1,C2 -- 27 to 60 in	loam	moderate	5.62 to 6.28 in	7.4 to 8.4

102B2--Clarion loam, 4 to 8 percent slopes, eroded

Clarion, eroded

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 4 to 8 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 12 in	loam	moderate	2.36 to 2.60 in	6.1 to 7.3
Bw -- 12 to 27 in	loam	moderate	2.54 to 2.84 in	6.1 to 7.3
C1,C2 -- 27 to 60 in	loam	moderate	5.62 to 6.28 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

113--Webster clay loam

Webster

Extent: 95 percent of the unit

Landform(s): swales

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 20 in	clay loam	moderate	3.81 to 4.22 in	6.6 to 7.3
Bg -- 20 to 41 in	clay loam	moderate	3.34 to 3.76 in	6.6 to 7.3
Cg -- 41 to 60 in	clay loam	moderate	2.65 to 3.59 in	7.4 to 8.4

114--Glencoe clay loam

Glencoe

Extent: 95 percent of the unit

Landform(s): depressions

Slope gradient: 0 to 1 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 9 in	clay loam	moderate	1.63 to 1.99 in	6.1 to 7.3
A -- 9 to 39 in	clay loam	moderate	5.39 to 6.58 in	6.1 to 7.3
Bg -- 39 to 50 in	loam	moderate	1.65 to 2.09 in	6.6 to 7.3
Cg -- 50 to 60 in	loam	moderate	1.48 to 1.87 in	6.6 to 7.8

Map Unit Description (MN)

Jackson County, Minnesota

118--Crippin clay loam

Crippin

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated 1

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 20 in	clay loam	moderate	4.02 to 4.42 in	7.4 to 8.4
Bw -- 20 to 31 in	clay loam	moderate	1.87 to 2.09 in	7.4 to 8.4
C -- 31 to 60 in	loam	moderate	4.89 to 5.46 in	7.4 to 8.4

130--Nicollet clay loam

Nicollet

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated 1

Hydric soil: no

Hydrologic group: C

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 23 in	clay loam	moderate	3.88 to 5.02 in	6.1 to 7.3
Bw -- 23 to 29 in	clay loam	moderate	0.94 to 1.20 in	6.1 to 7.3
C1,C2 -- 29 to 60 in	clay loam	moderate	4.30 to 5.83 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

197--Kingston silty clay loam

Kingston

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 3 percent

Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated 1

Hydric soil: no

Hydrologic group: C

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	silty clay loam	moderate	2.69 to 3.59 in	6.1 to 7.3
Bw -- 15 to 22 in	silty clay loam	moderate	1.13 to 1.42 in	6.1 to 7.3
C1,C2 -- 22 to 60 in	silty clay loam	moderate	6.05 to 7.56 in	7.4 to 8.4

211--Lura silty clay

Lura

Extent: 90 percent of the unit

Landform(s): depressions

Slope gradient: 0 to 2 percent

Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated 3w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 10 in	silty clay	slow	1.38 to 1.67 in	6.1 to 7.3
A1,A2,A3,A4 -- 10 to 60 in	silty clay	slow	7.00 to 8.50 in	6.1 to 7.3

Map Unit Description (MN)

Jackson County, Minnesota

229--Waldorf silty clay

Waldorf

Extent: 90 percent of the unit

Landform(s): flats

Slope gradient: 0 to 1 percent

Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 23 in	silty clay	moderately slow	4.11 to 5.71 in	6.1 to 7.3
Bg -- 23 to 40 in	silty clay	moderately slow	2.25 to 2.77 in	6.6 to 7.3
Cg -- 40 to 60 in	silty clay loam	moderately slow	3.94 to 4.33 in	7.4 to 8.4

255--Mayer loam

Mayer

Extent: 95 percent of the unit

Landform(s): flats

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .28

Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 20 in	loam	moderate	4.02 to 4.42 in	7.4 to 8.4
Bg -- 20 to 28 in	sandy loam	moderate	1.26 to 1.50 in	7.4 to 8.4
2Cg1,2Cg2 -- 28 to 60 in	gravelly coarse sand	rapid	0.64 to 1.28 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

313--Spillville loam, occasionally flooded

Spillville, occasionally flooded

Extent: 90 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: occasional

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated 2w

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1,A2,A3 -- 0 to 56 in	loam	moderate	10.62 to 11.74 in	6.1 to 7.3
C -- 56 to 60 in	loam	moderately rapid	0.59 to 0.71 in	6.1 to 7.3

327B--Dickman sandy loam, 1 to 6 percent slopes

Dickman

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 12 in	sandy loam	moderately rapid	1.54 to 1.77 in	6.1 to 6.5
Bw,C1,C2 -- 12 to 60 in	sand	rapid	0.96 to 3.36 in	6.1 to 7.8

Map Unit Description (MN)

Jackson County, Minnesota

327C--Dickman sandy loam, 6 to 12 percent slopes

Dickman

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 12 in	sandy loam	moderately rapid	1.54 to 1.77 in	6.1 to 6.5
Bw,C1,C2 -- 12 to 60 in	sand	rapid	0.96 to 3.36 in	6.1 to 7.8

336--Delft clay loam

Delft

Extent: 95 percent of the unit

Landform(s): swales

Slope gradient: 1 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 9 in	clay loam	moderate	1.63 to 1.81 in	6.1 to 7.3
A -- 9 to 28 in	clay loam	moderate	3.59 to 4.16 in	6.1 to 7.3
Bg -- 28 to 38 in	clay loam	moderate	1.87 to 2.17 in	6.6 to 7.3
Cg -- 38 to 60 in	clay loam	moderate	3.31 to 4.19 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

362--Millington clay loam, frequently flooded

Millington, frequently flooded

Extent: 95 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated 5w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A -- 0 to 14 in	clay loam	moderate	2.41 to 3.26 in	7.4 to 8.4
Bg -- 14 to 35 in	clay loam	moderate	3.55 to 4.17 in	7.4 to 8.4
Cg -- 35 to 60 in	stratified sandy loam to silty clay loam	moderate	3.47 to 4.96 in	7.4 to 8.4

392--Biscay clay loam

Biscay

Extent: 95 percent of the unit

Landform(s): flats

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 23 in	clay loam	moderate	4.57 to 5.02 in	6.1 to 7.3
Bg -- 23 to 30 in	clay loam	moderate	1.20 to 1.35 in	6.6 to 7.3
2Cg -- 30 to 60 in	stratified gravelly coarse sand to loamy sand	rapid	0.60 to 1.20 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

539--Palms muck

Palms

Extent: 95 percent of the unit

Landform(s): depressions

Slope gradient: 0 to 2 percent

Parent material: organic material over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oap,Oa -- 0 to 19 in	muck	moderately rapid	6.61 to 8.50 in	
Cg1,Cg2 -- 19 to 60 in	clay loam	moderate	5.73 to 9.01 in	

595E--Swanlake loam, 18 to 25 percent slopes

Swanlake

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated 6e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	loam	moderate	1.42 to 1.70 in	7.4 to 8.4
C1,C2 -- 7 to 60 in	loam	moderate	8.97 to 10.02 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

595F--Swanlake loam, 25 to 40 percent slopes

Swanlake

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 25 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated 6e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	loam	moderate	1.42 to 1.70 in	7.4 to 8.4
C1,C2 -- 7 to 60 in	loam	moderate	8.97 to 10.02 in	7.4 to 8.4

664--Zook silty clay, frequently flooded

Zook, frequently flooded

Extent: 95 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated 5w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1,A2 -- 0 to 44 in	silty clay	slow	4.85 to 5.73 in	6.1 to 7.3
Cg -- 44 to 60 in	silty clay loam	moderately slow	1.73 to 3.46 in	6.1 to 7.3

Map Unit Description (MN)

Jackson County, Minnesota

813--Spicer-Lura complex

Spicer

Extent: 40 percent of the unit

Landform(s): flats

Slope gradient: 0 to 2 percent

Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 23 in	silty clay loam	moderate	4.11 to 5.48 in	7.4 to 8.4
Bkg -- 23 to 43 in	silty clay loam	moderate	3.21 to 4.42 in	7.4 to 8.4
Cg -- 43 to 60 in	silty clay loam	moderate	2.71 to 3.72 in	7.4 to 8.4

Lura

Extent: 30 percent of the unit

Landform(s): depressions

Slope gradient: 0 to 2 percent

Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated 3w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 10 in	silty clay	slow	1.38 to 1.67 in	6.1 to 7.3
A1,A2,A3,A4 -- 10 to 60 in	silty clay	slow	7.00 to 8.50 in	6.1 to 7.3

Map Unit Description (MN)

Jackson County, Minnesota

887C--Clarion-Swanlake loams, 6 to 12 percent slopes

Clarion

Extent: 55 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 12 in	loam	moderate	2.36 to 2.60 in	6.1 to 7.3
Bw -- 12 to 27 in	loam	moderate	2.54 to 2.84 in	6.1 to 7.3
C1,C2 -- 27 to 60 in	loam	moderate	5.62 to 6.28 in	7.4 to 8.4

Swanlake

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	loam	moderate	1.42 to 1.70 in	7.4 to 8.4
C1,C2 -- 7 to 60 in	loam	moderate	8.97 to 10.02 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

887D--Clarion-Swanlake loams, 12 to 18 percent slopes

Clarion

Extent: 55 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 12 in	loam	moderate	2.36 to 2.60 in	6.1 to 7.3
Bw -- 12 to 27 in	loam	moderate	2.54 to 2.84 in	6.1 to 7.3
C1,C2 -- 27 to 60 in	loam	moderate	5.62 to 6.28 in	7.4 to 8.4

Swanlake

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	loam	moderate	1.42 to 1.70 in	7.4 to 8.4
C1,C2 -- 7 to 60 in	loam	moderate	8.97 to 10.02 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

921C2--Clarion-Storden loams, 6 to 12 percent slopes, eroded

Clarion, eroded

Extent: 55 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 12 in	loam	moderate	2.36 to 2.60 in	6.1 to 7.3
Bw -- 12 to 27 in	loam	moderate	2.54 to 2.84 in	6.1 to 7.3
C1,C2 -- 27 to 60 in	loam	moderate	5.62 to 6.28 in	7.4 to 8.4

Storden, eroded

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 6 in	loam	moderate	1.18 to 1.30 in	7.4 to 8.4
C1 -- 6 to 28 in	loam	moderate	3.31 to 4.19 in	7.4 to 8.4
C2,C3 -- 28 to 60 in	loam	moderate	4.78 to 6.06 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

956--Canisteo-Glencoe clay loams

Canisteo

Extent: 50 percent of the unit

Landform(s): flats

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 23 in	clay loam	moderate	4.11 to 5.02 in	7.4 to 8.4
Bg -- 23 to 40 in	clay loam	moderate	2.08 to 3.12 in	7.4 to 8.4
Cg -- 40 to 60 in	clay loam	moderate	2.76 to 3.15 in	7.4 to 8.4

Glencoe

Extent: 25 percent of the unit

Landform(s): depressions

Slope gradient: 0 to 1 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 9 in	clay loam	moderate	1.63 to 1.99 in	6.1 to 7.3
A -- 9 to 39 in	clay loam	moderate	5.39 to 6.58 in	6.1 to 7.3
Bg -- 39 to 50 in	clay loam	moderate	1.65 to 2.09 in	6.6 to 7.3
Cg -- 50 to 60 in	clay loam	moderate	1.48 to 1.87 in	6.6 to 7.8

Map Unit Description (MN)

Jackson County, Minnesota

960D2--Storden-Clarion loams, 12 to 18 percent slopes, eroded

Storden, eroded

Extent: 45 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 6 in	loam	moderate	1.18 to 1.30 in	7.4 to 8.4
C1 -- 6 to 28 in	loam	moderate	3.31 to 4.19 in	7.4 to 8.4
C2,C3 -- 28 to 60 in	loam	moderate	4.78 to 6.06 in	7.4 to 8.4

Clarion, eroded

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 12 in	loam	moderate	2.36 to 2.60 in	6.1 to 7.3
Bw -- 12 to 27 in	loam	moderate	2.54 to 2.84 in	6.1 to 7.3
C1,C2 -- 27 to 60 in	loam	moderate	5.62 to 6.28 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

1030--Udorthents-Pits complex

Udorthents

Extent: 70 percent of the unit

Landform(s): moraines

Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated

Hydric soil:

Hydrologic group:

Potential for frost action:

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
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Pits

Extent: 30 percent of the unit

Landform(s): moraines

Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated

Hydric soil:

Hydrologic group:

Potential for frost action:

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
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Map Unit Description (MN)

Jackson County, Minnesota

1051--Glencoe clay loam, ponded

Glencoe, ponded

Extent: 90 percent of the unit

Landform(s): depressions

Slope gradient: 0 to 1 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .24

Land capability, nonirrigated 8w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 39 in	clay loam	moderate	7.02 to 8.57 in	6.1 to 7.3
Bg -- 39 to 50 in	clay loam	moderate	1.65 to 2.09 in	6.6 to 7.3
Cg -- 50 to 60 in	clay loam	moderate	1.48 to 1.87 in	7.4 to 7.8

1356--Water, miscellaneous

Water, miscellaneous

Extent: 100 percent of the unit

Landform(s):

Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated

Hydric soil:

Hydrologic group:

Potential for frost action:

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
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Map Unit Description (MN)

Jackson County, Minnesota

1833--Coland clay loam, occasionally flooded

Coland, occasionally flooded

Extent: 90 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: occasional

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .15

Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,Ag -- 0 to 36 in	clay loam	moderate	7.17 to 7.88 in	6.1 to 7.3
Cg -- 36 to 60 in	loam	moderately rapid	3.12 to 4.08 in	6.1 to 7.8

1834--Coland loam, frequently flooded

Coland, frequently flooded

Extent: 90 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .17

Land capability, nonirrigated 5w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,Ag -- 0 to 36 in	loam	moderate	7.17 to 7.88 in	6.1 to 7.3
Cg -- 36 to 60 in	loam	moderately rapid	3.12 to 4.08 in	6.1 to 7.8

Map Unit Description (MN)

Jackson County, Minnesota

1852F--Terril-Swanlake loams, 25 to 40 percent slopes

Terril

Extent: 55 percent of the unit

Landform(s): moraines

Slope gradient: 25 to 40 percent

Parent material: colluvium

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated 7e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1,A2 -- 0 to 22 in	loam	moderate	4.41 to 4.85 in	6.1 to 7.3
A3 -- 22 to 36 in	loam	moderate	2.34 to 2.62 in	6.1 to 7.3
Bw -- 36 to 60 in	clay loam	moderate	3.84 to 4.32 in	6.1 to 7.8

Swanlake

Extent: 25 percent of the unit

Landform(s): moraines

Slope gradient: 25 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated 6e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	loam	moderate	1.42 to 1.70 in	7.4 to 8.4
C1,C2 -- 7 to 60 in	loam	moderate	8.97 to 10.02 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

1907--Lakefield silty clay loam

Lakefield

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 3 percent

Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated 1

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 18 in	silty clay loam	moderate	3.26 to 4.35 in	7.4 to 8.4
C1,C2 -- 18 to 60 in	silty clay loam	moderate	6.68 to 8.35 in	7.4 to 8.4

1914--Lura silty clay, nearly level

Lura, nearly level

Extent: 90 percent of the unit

Landform(s): swales

Slope gradient: 0 to 2 percent

Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1,A2 -- 0 to 48 in	silty clay	moderately slow	6.72 to 8.17 in	6.1 to 7.3
A3,A4 -- 48 to 60 in	silty clay	moderately slow	1.30 to 2.24 in	6.6 to 7.8

Map Unit Description (MN)

Jackson County, Minnesota

L13A--Klossner muck, depressional, 0 to 1 percent slopes

Klossner, drained

Extent: 65 to 85 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: herbaceous organic material over loamy glaciofluvial deposits

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:

	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Op -- 0 to 10 in	muck	moderately rapid	3.44 to 4.72 in	
Oa -- 10 to 26 in	muck	moderately rapid	5.65 to 7.75 in	
2A1 -- 26 to 36 in	mucky silty clay loam	moderate	2.17 to 2.56 in	
2A2 -- 36 to 48 in	silty clay loam	moderate	2.20 to 2.69 in	
2Cg -- 48 to 80 in	loam	moderate	4.78 to 6.06 in	

Map Unit Description (MN)

Jackson County, Minnesota

L84A--Glencoe clay loam, depressional, 0 to 1 percent slopes

Glencoe, depressional

Extent: 75 to 100 percent of the unit
Landform(s): depressions on moraines
Slope gradient: 0 to 1 percent
Parent material: till
Restrictive feature(s): greater than 60 inches
Flooding: none
Ponding: frequent
Drainage class: very poorly drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .24
Land capability, nonirrigated 3w
Hydric soil: yes
Hydrologic group: B/D
Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 24 in	clay loam	moderate	4.32 to 5.28 in	6.1 to 7.8
ABg -- 24 to 35 in	clay loam	moderate	1.98 to 2.43 in	6.1 to 7.8
Bg -- 35 to 48 in	loam	moderate	1.95 to 2.47 in	6.6 to 7.8
Cg -- 48 to 60 in	loam	moderate	1.77 to 2.24 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

L85A--Nicollet clay loam, 1 to 3 percent slopes

Nicollet

Extent: 70 to 95 percent of the unit

Landform(s): flats on moraines, rises on moraines

Slope gradient: 1 to 3 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated 1

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 17 in	clay loam	moderate	2.88 to 3.72 in	5.6 to 7.3
Bw,Bg -- 17 to 33 in	clay loam	moderate	2.42 to 3.07 in	5.6 to 7.3
Bg -- 33 to 36 in	clay loam	moderate	0.41 to 0.52 in	7.4 to 8.4
Cg -- 36 to 60 in	loam	moderate	3.60 to 4.56 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

L107A--Canisteo-Glencoe, depressional complex, 0 to 2 percent slopes

Canisteo

Extent: 30 to 70 percent of the unit

Landform(s): rims on moraines

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 18 in	clay loam	moderate	3.26 to 3.98 in	7.4 to 8.4
Bkg -- 18 to 39 in	loam	moderate	2.50 to 3.76 in	7.4 to 8.4
Cg -- 39 to 80 in	loam	moderate	6.14 to 7.78 in	7.4 to 8.4

Glencoe, depressional

Extent: 15 to 55 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 10 in	clay loam	moderate	1.77 to 2.17 in	6.1 to 7.8
A,ABg -- 10 to 35 in	clay loam	moderate	4.54 to 5.54 in	6.1 to 7.8
Bg -- 35 to 48 in	loam	moderate	1.95 to 2.47 in	6.6 to 7.8
Cg -- 48 to 60 in	loam	moderate	1.77 to 2.24 in	7.4 to 8.4

Map Unit Description (MN)

Jackson County, Minnesota

W--Water

Water

Extent: 100 percent of the unit

Landform(s):

Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated

Hydric soil:

Hydrologic group:

Potential for frost action:

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
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This report provides a semitabular listing of some soil and site properties and interpretations that are valuable in communicating the concept of a map unit. The report also provides easy access to the commonly used conservation planning information in one place. The major soil components in each map unit are displayed. Minor components may be displayed if they are included in the database and are selected at the time the report is generated.