

Map Unit Description (MN)

Big Stone 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]

26--Aazdahl clay loam

Aazdahl

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 3 percent

Parent material: glacial 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) .17

Land capability, nonirrigated 1

Hydric soil: no

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,Bw1 -- 0 to 11 in	clay loam	moderate	1.87 to 2.09 in	6.6 to 7.3
Bw2 -- 11 to 15 in	clay loam	moderately slow	0.67 to 0.75 in	6.6 to 7.8
Bk -- 15 to 24 in	clay loam	moderately slow	1.27 to 1.54 in	7.4 to 8.4
C -- 24 to 60 in	clay loam	moderately slow	5.02 to 6.09 in	7.4 to 8.4

34--Parnell silty clay loam

Parnell

Extent: 85 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: local alluvium over glacial 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) .32

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,A -- 0 to 20 in	silty clay loam	moderately slow	3.61 to 4.42 in	6.1 to 7.8
Btg -- 20 to 50 in	silty clay	slow	3.89 to 5.69 in	6.1 to 7.8
Cg -- 50 to 60 in	silty clay loam	slow	1.08 to 1.87 in	6.6 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

36--Flom silty clay loam

Flom

Extent: 85 percent of the unit

Landform(s): flats on moraines

Slope gradient: 0 to 2 percent

Parent material: local alluvium over glacial 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) .32

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 14 in	silty clay loam	moderately slow	2.55 to 3.12 in	6.1 to 7.8
Bg -- 14 to 20 in	clay loam	moderately slow	0.89 to 1.12 in	6.6 to 8.4
Cg -- 20 to 60 in	clay loam	moderately slow	5.57 to 7.56 in	7.4 to 8.4

51--La Prairie silt loam

La Prairie, occasionally flooded

Extent: 85 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) .28

Land capability, nonirrigated 1

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>
Ap -- 0 to 8 in	silt loam	moderate	1.34 to 1.73 in	6.6 to 8.4
A -- 8 to 16 in	silt loam	moderate	1.41 to 1.82 in	6.6 to 8.4
Bw -- 16 to 29 in	silt loam	moderate	1.95 to 2.86 in	6.6 to 8.4
C -- 29 to 60 in	stratified fine sandy loam to silty clay loam	moderate	4.61 to 6.76 in	6.6 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

60--Glyndon silty clay loam

Glyndon

Extent: 85 percent of the unit

Landform(s): lake plains

Slope gradient: 0 to 2 percent

Parent material: lacustrine sediments

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): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated 2s

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 11 in	silty clay loam	moderate	1.98 to 2.43 in	7.4 to 9.0
Bk -- 11 to 24 in	silt loam	moderately rapid	2.21 to 2.60 in	7.4 to 9.0
C -- 24 to 60 in	very fine sandy loam	moderately rapid	5.37 to 6.81 in	7.4 to 9.0

70--Svea loam

Svea

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 3 percent

Parent material: glacial 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) .20

Land capability, nonirrigated 1

Hydric soil: no

Hydrologic group: B/D

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 13 in	loam	moderate	2.34 to 2.60 in	6.1 to 7.8
Bw -- 13 to 17 in	loam	moderate	0.67 to 0.87 in	6.6 to 7.8
Bk,C -- 17 to 60 in	loam	moderate	6.01 to 8.15 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

127B--Sverdrup fine sandy loam, 1 to 6 percent slopes

Sverdrup

Extent: 86 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 6 percent

Parent material: glacial outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

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 8 in	fine sandy loam	moderately rapid	1.02 to 1.18 in	6.1 to 7.3
Bw -- 8 to 18 in	sandy loam	moderately rapid	0.82 to 1.43 in	6.1 to 7.8
C -- 18 to 60 in	sand	rapid	0.83 to 2.50 in	7.4 to 8.4

137--Dovray silty clay

Dovray

Extent: 85 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: glacial lacustrine sediments

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) .20

Land capability, nonirrigated 3w

Hydric soil: yes

Hydrologic group: C/D

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 8 in	silty clay	moderately slow	1.10 to 1.42 in	6.1 to 7.8
A -- 8 to 24 in	silty clay	moderately slow	2.10 to 2.58 in	6.1 to 7.8
Bg -- 24 to 36 in	silty clay	moderately slow	1.54 to 1.89 in	6.6 to 7.8
Cg -- 36 to 60 in	silty clay loam	slow	3.12 to 4.56 in	6.6 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

141A--Egeland fine sandy loam, 0 to 2 percent slopes

Egeland

Extent: 85 percent of the unit

Landform(s): outwash plains

Slope gradient: 0 to 2 percent

Parent material: glaciofluvial sediments

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): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .17

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 8 in	fine sandy loam	moderately rapid	0.87 to 1.34 in	5.6 to 7.3
Bw -- 8 to 32 in	sandy loam	moderately rapid	2.16 to 3.60 in	6.1 to 7.8
C -- 32 to 60 in	loamy fine sand	moderately rapid	2.24 to 2.80 in	6.6 to 8.4

141B--Egeland fine sandy loam, 2 to 6 percent slopes

Egeland

Extent: 86 percent of the unit

Landform(s): outwash plains

Slope gradient: 2 to 6 percent

Parent material: glaciofluvial sediments

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): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .17

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 8 in	fine sandy loam	moderately rapid	0.87 to 1.34 in	5.6 to 7.3
Bw -- 8 to 27 in	fine sandy loam	moderately rapid	1.70 to 2.83 in	6.1 to 7.8
C -- 27 to 60 in	loamy sand	moderately rapid	2.65 to 3.31 in	6.6 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

171B--Formdale clay loam, 2 to 4 percent slopes

Formdale

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 4 percent

Parent material: glacial 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) .20

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>
Ap,A -- 0 to 10 in	clay loam	moderate	1.67 to 1.87 in	6.1 to 7.3
Bw -- 10 to 14 in	clay loam	moderately slow	0.74 to 0.82 in	6.6 to 7.8
Bk -- 14 to 24 in	clay loam	moderately slow	1.38 to 1.87 in	7.4 to 8.4
C -- 24 to 60 in	clay loam	moderately slow	5.02 to 6.81 in	7.4 to 8.4

180--Gonvick loam

Gonvick

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 2 percent

Parent material: glacial 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): 5

Wind erodibility index (WEI): 56

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 -- 0 to 8 in	loam	moderate	1.57 to 1.73 in	6.1 to 7.3
Bt -- 8 to 25 in	clay loam	moderate	2.60 to 3.29 in	6.6 to 7.3
Bk,C -- 25 to 60 in	clay loam	moderate	5.20 to 6.58 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

184A--Hamerly loam, 1 to 3 percent slopes

Hamerly

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 3 percent

Parent material: glacial 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) .20

Land capability, nonirrigated 2s

Hydric soil: no

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 8 in	loam	moderate	1.42 to 1.89 in	6.6 to 8.4
Bk -- 8 to 28 in	clay loam	moderate	3.01 to 3.81 in	7.4 to 8.4
C -- 28 to 60 in	clay loam	moderately slow	4.46 to 6.06 in	7.4 to 8.4

184B--Hamerly loam, 3 to 6 percent slopes

Hamerly

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 3 to 6 percent

Parent material: glacial 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) .20

Land capability, nonirrigated 2e

Hydric soil: no

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 8 in	loam	moderate	1.42 to 1.89 in	6.6 to 8.4
Bk -- 8 to 20 in	clay loam	moderate	1.83 to 2.32 in	7.4 to 8.4
C -- 20 to 60 in	clay loam	moderately slow	5.57 to 7.56 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

185B--Hattie silty clay, 1 to 4 percent slopes

Hattie

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 4 percent

Parent material: glacial 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): 4

Wind erodibility index (WEI): 86

Kw factor (surface layer) .17

Land capability, nonirrigated 2s

Hydric soil: no

Hydrologic group: D

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 9 in	silty clay	slow	1.45 to 1.99 in	7.4 to 8.4
Bw,Bk,C -- 9 to 60 in	silty clay	slow	6.09 to 8.13 in	7.4 to 8.4

185C--Hattie silty clay, 4 to 10 percent slopes

Hattie

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 4 to 10 percent

Parent material: glacial 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): 4

Wind erodibility index (WEI): 86

Kw factor (surface layer) .17

Land capability, nonirrigated 3e

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>
Ap -- 0 to 8 in	silty clay	slow	1.26 to 1.73 in	7.4 to 8.4
Bw,Bk,C -- 8 to 60 in	silty clay	slow	6.24 to 8.31 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

192A--Estelline silt loam, 0 to 2 percent slopes

Estelline

Extent: 86 percent of the unit

Landform(s): outwash plains

Slope gradient: 0 to 2 percent

Parent material: lacustrine sediments over glacial 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) .37

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 -- 0 to 8 in	silt loam	moderate	1.50 to 1.73 in	6.1 to 7.3
Bw -- 8 to 22 in	silt loam	moderate	2.55 to 2.98 in	6.1 to 7.8
Bk -- 22 to 28 in	silty clay loam	moderate	0.94 to 1.18 in	7.4 to 8.4
C -- 28 to 60 in	gravelly sand	very rapid	0.96 to 1.91 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

192B--Estelline silt loam, 2 to 6 percent slopes

Estelline

Extent: 85 percent of the unit

Landform(s): outwash plains

Slope gradient: 2 to 6 percent

Parent material: lacustrine sediments over glacial 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) .37

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 -- 0 to 8 in	silt loam	moderate	1.50 to 1.73 in	6.1 to 7.3
Bw -- 8 to 18 in	silt loam	moderate	1.84 to 2.15 in	6.1 to 7.8
Bk -- 18 to 24 in	silt loam	moderate	0.94 to 1.18 in	7.4 to 8.4
C -- 24 to 60 in	gravelly sand	very rapid	1.07 to 2.15 in	7.4 to 8.4

210--Fulda silty clay

Fulda

Extent: 85 percent of the unit

Landform(s): flats on moraines

Slope gradient: 0 to 2 percent

Parent material: glaciolacustrine sediments

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 13 in	silty clay	slow	1.82 to 2.60 in	6.6 to 7.3
Bg -- 13 to 22 in	silty clay	slow	1.18 to 1.45 in	7.4 to 8.4
Cg -- 22 to 60 in	silty clay	slow	6.05 to 7.18 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

236--Vallers clay loam

Vallers

Extent: 85 percent of the unit

Landform(s): rims on depressions

Slope gradient: 0 to 2 percent

Parent material: glacial 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: 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 13 in	clay loam	moderately slow	2.34 to 2.86 in	7.4 to 8.4
Bkg -- 13 to 26 in	clay loam	moderately slow	1.95 to 2.47 in	7.4 to 8.4
Cg -- 26 to 60 in	clay loam	moderately slow	5.76 to 6.43 in	7.4 to 8.4

246--Marysland clay loam

Marysland

Extent: 86 percent of the unit

Landform(s): flats on moraines

Slope gradient: 0 to 2 percent

Parent material: glaciolacustrine sediments over glacial 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) .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,Ak -- 0 to 18 in	clay loam	moderate	3.08 to 3.98 in	7.4 to 8.4
Bkg,Cg -- 18 to 38 in	loam	moderate	2.95 to 3.74 in	7.4 to 8.4
2Cg -- 38 to 60 in	stratified gravelly coarse sand to fine sand	rapid	0.44 to 1.54 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

276--Oldham silty clay

Oldham

Extent: 85 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: glaciolacustrine sediments

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) .28

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,A -- 0 to 22 in	silty clay	slow	2.87 to 4.19 in	6.6 to 7.8
Bg -- 22 to 30 in	silty clay	moderately slow	1.10 to 1.57 in	7.4 to 8.4
Cg -- 30 to 60 in	silty clay loam	moderately slow	4.19 to 5.98 in	7.4 to 8.4

288D--Esmond loam, 12 to 18 percent slopes

Esmond

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: glacial 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 10 in	loam	moderate	1.97 to 2.17 in	7.4 to 8.4
Bk,C -- 10 to 60 in	loam	moderate	7.00 to 11.00 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

293A--Swenoda sandy loam, 0 to 2 percent slopes

Swenoda

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 2 percent

Parent material: glaciofluvial sediments over 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): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .10

Land capability, nonirrigated 2s

Hydric soil: no

Hydrologic group: B/D

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 14 in	sandy loam	moderately rapid	1.56 to 2.41 in	6.1 to 7.3
Bw -- 14 to 33 in	sandy loam	moderately rapid	2.08 to 3.21 in	6.6 to 7.8
2Bk,2C -- 33 to 60 in	loam	moderate	4.55 to 5.35 in	7.4 to 8.4

293B--Swenoda sandy loam, 2 to 6 percent slopes

Swenoda

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 6 percent

Parent material: glaciofluvial sediments over 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): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .10

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 -- 0 to 8 in	sandy loam	moderately rapid	0.87 to 1.34 in	6.1 to 7.3
Bw -- 8 to 25 in	sandy loam	moderately rapid	1.91 to 2.94 in	6.6 to 7.8
2Bk,2C -- 25 to 60 in	loam	moderate	5.89 to 6.93 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

296B--Fram loam, 1 to 4 percent slopes

Fram

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 4 percent

Parent material: glacial 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) .32

Land capability, nonirrigated 2e

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 -- 0 to 8 in	loam	moderate	1.57 to 1.89 in	7.4 to 8.4
Bk,C -- 8 to 60 in	loam	moderate	6.76 to 10.39 in	7.4 to 8.4

314--Spottswood loam

Spottswood

Extent: 85 percent of the unit

Landform(s): outwash plains

Slope gradient: 0 to 2 percent

Parent material: glacial outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well 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 2s

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>
Ap -- 0 to 8 in	loam	moderate	1.42 to 1.73 in	6.1 to 7.3
Bw -- 8 to 32 in	loam	moderate	4.32 to 5.28 in	6.6 to 8.4
2C -- 32 to 60 in	very gravelly sand	very rapid	0.84 to 1.68 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

339--Fordville loam

Fordville

Extent: 85 percent of the unit

Landform(s): outwash plains, stream terraces

Slope gradient: 0 to 2 percent

Parent material: glacial 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) .20

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 -- 0 to 8 in	loam	moderate	1.42 to 1.57 in	6.1 to 7.3
Bw -- 8 to 26 in	loam	moderate	3.26 to 3.80 in	6.1 to 7.8
BC -- 26 to 33 in	loam	moderately rapid	0.85 to 1.28 in	6.1 to 8.4
2C -- 33 to 60 in	gravelly loamy sand	very rapid	0.80 to 1.61 in	7.4 to 8.4

341--Arvilla loam

Arvilla

Extent: 90 percent of the unit

Landform(s): outwash plains, stream terraces

Slope gradient: 0 to 2 percent

Parent material: glacial 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): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .28

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	loam	moderately rapid	1.57 to 1.77 in	6.1 to 8.4
Bw -- 10 to 15 in	sandy loam	moderately rapid	0.56 to 0.72 in	6.6 to 8.4
2Bw,2C -- 15 to 60 in	very gravelly coarse sand	very rapid	0.90 to 2.24 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

344--Bigstone silty clay loam

Bigstone

Extent: 85 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: glaciolacustrine sediments over glacial 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): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .28

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 8 in	silty clay loam	moderately slow	1.42 to 1.73 in	7.4 to 8.4
A -- 8 to 45 in	silty clay loam	moderate	5.92 to 8.14 in	7.4 to 8.4
2Cg -- 45 to 60 in	clay loam	moderate	2.09 to 2.84 in	7.4 to 8.4

347--Malachy loam

Malachy

Extent: 85 percent of the unit

Landform(s): outwash plains

Slope gradient: 0 to 3 percent

Parent material: glaciolacustrine sediments over outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated 2s

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 19 in	loam	moderate	3.78 to 4.16 in	7.4 to 8.4
Bw,Bk -- 19 to 33 in	loam	moderately rapid	1.70 to 2.69 in	7.4 to 8.4
2C -- 33 to 60 in	loamy fine sand	rapid	0.54 to 2.68 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

373B--Renshaw loam, 0 to 6 percent slopes

Renshaw

Extent: 90 percent of the unit

Landform(s): outwash plains

Slope gradient: 0 to 6 percent

Parent material: glacial 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): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated 4s

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>
A -- 0 to 10 in	loam	moderate	1.77 to 1.97 in	6.1 to 7.8
Bw -- 10 to 17 in	gravelly loam	moderately rapid	0.78 to 1.28 in	6.6 to 8.4
2C -- 17 to 60 in	very gravelly sand	very rapid	1.29 to 2.57 in	6.6 to 8.4

402B--Sioux loam, 1 to 6 percent slopes

Sioux

Extent: 90 percent of the unit

Landform(s): moraines, outwash plains

Slope gradient: 1 to 6 percent

Parent material: glacial outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .28

Land capability, nonirrigated 6s

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 -- 0 to 8 in	loam	moderate	1.34 to 1.57 in	6.6 to 8.4
AC -- 8 to 12 in	gravelly loam	moderately rapid	0.39 to 0.59 in	7.4 to 8.4
C -- 12 to 60 in	very gravelly sand	very rapid	1.44 to 2.88 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

402E--Sioux loam, 6 to 35 percent slopes

Sioux

Extent: 90 percent of the unit

Landform(s): moraines, outwash plains

Slope gradient: 6 to 35 percent

Parent material: glacial outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .28

Land capability, nonirrigated 7s

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>
A -- 0 to 8 in	loam	moderate	1.34 to 1.57 in	6.6 to 8.4
AC -- 8 to 12 in	gravelly loam	moderately rapid	0.39 to 0.59 in	7.4 to 8.4
C -- 12 to 60 in	very gravelly sand	very rapid	1.44 to 2.88 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

410--Athelwold silt loam

Athelwold

Extent: 85 percent of the unit

Landform(s): outwash plains

Slope gradient: 0 to 2 percent

Parent material: glaciolacustrine sediments over outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately 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 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 -- 0 to 8 in	silt loam	moderate	1.50 to 1.73 in	5.6 to 7.3
A -- 8 to 18 in	silty clay loam	moderate	1.94 to 2.25 in	5.6 to 7.3
Bw -- 18 to 25 in	silty clay loam	moderate	1.28 to 1.49 in	6.6 to 7.8
Bk -- 25 to 35 in	silt loam	moderate	1.67 to 1.97 in	7.4 to 8.4
2C -- 35 to 60 in	very gravelly sand	rapid	0.74 to 1.49 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

418--Lamoure silty clay loam

Lamoure, occasionally flooded

Extent: 85 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 1 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): 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 -- 0 to 8 in	silty clay loam	moderate	1.50 to 1.73 in	7.4 to 8.4
A -- 8 to 36 in	silty clay loam	moderate	4.75 to 5.59 in	7.4 to 8.4
Cg1 -- 36 to 45 in	silty clay loam	moderate	1.54 to 1.81 in	7.4 to 8.4
Cg2 -- 45 to 60 in	stratified sandy loam to silty clay loam	moderate	1.35 to 2.69 in	7.4 to 8.4

437D--Buse clay loam, 12 to 18 percent slopes

Buse

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: glacial 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) .28

Land capability, nonirrigated 4e

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>
Ap -- 0 to 8 in	clay loam	moderately slow	1.34 to 1.73 in	6.6 to 8.4
Bk -- 8 to 13 in	loam	moderately slow	0.72 to 0.97 in	7.4 to 8.4
C -- 13 to 60 in	loam	moderately slow	6.56 to 8.90 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

450--Rauville silty clay loam

Rauville, frequently flooded

Extent: 85 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 1 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

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) .32

Land capability, nonirrigated 6w

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 34 in	silty clay loam	moderate	6.43 to 7.45 in	7.4 to 8.4
Cg -- 34 to 60 in	silty clay loam	moderate	4.42 to 5.20 in	7.4 to 8.4

494B--Darnen loam, 1 to 6 percent slopes

Darnen

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 1 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: B/D

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 16 in	loam	moderate	3.23 to 3.87 in	6.6 to 7.8
Bw -- 16 to 34 in	loam	moderate	2.66 to 3.37 in	6.1 to 7.8
C -- 34 to 60 in	loam	moderate	3.64 to 4.94 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

694B--Zell silt loam, 2 to 8 percent slopes

Zell

Extent: 85 percent of the unit

Landform(s): lake plains

Slope gradient: 2 to 8 percent

Parent material: lacustrine sediments

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): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .37

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 -- 0 to 8 in	silt loam	moderate	1.50 to 1.73 in	6.6 to 8.4
Bk -- 8 to 16 in	silt loam	moderate	1.24 to 1.65 in	7.4 to 8.4
C -- 16 to 60 in	very fine sandy loam	moderate	6.56 to 8.74 in	7.4 to 9.0

698--Doran clay loam

Doran

Extent: 86 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 2 percent

Parent material: glacial 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) .17

Land capability, nonirrigated 1

Hydric soil: no

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 8 in	clay loam	moderately slow	1.42 to 1.81 in	6.6 to 7.3
Bt -- 8 to 20 in	clay loam	moderately slow	1.83 to 2.32 in	6.6 to 7.8
Bk -- 20 to 32 in	clay loam	slow	1.65 to 1.89 in	7.4 to 8.4
C -- 32 to 60 in	clay loam	moderate	3.91 to 4.47 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

787--Fram-Vallers-Parnell complex

Fram

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 3 percent

Parent material: glacial 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) .32

Land capability, nonirrigated 2e

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 -- 0 to 8 in	loam	moderate	1.57 to 1.89 in	7.4 to 8.4
Bk,C -- 8 to 60 in	loam	moderate	6.76 to 10.39 in	7.4 to 8.4

Vallers

Extent: 30 percent of the unit

Landform(s): rims on depressions

Slope gradient: 0 to 2 percent

Parent material: glacial 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: 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 13 in	clay loam	moderately slow	2.34 to 2.86 in	7.4 to 8.4
Bkg -- 13 to 26 in	loam	moderately slow	1.95 to 2.47 in	7.4 to 8.4
Cg -- 26 to 60 in	loam	moderately slow	5.76 to 6.43 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

787--Fram-Vallers-Parnell complex

Parnell

Extent: 20 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: local alluvium over glacial 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) .32

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,A -- 0 to 20 in	silty clay loam	moderately slow	3.61 to 4.42 in	6.1 to 7.8
Btg -- 20 to 50 in	silty clay	slow	3.89 to 5.69 in	6.1 to 7.8
Cg -- 50 to 60 in	silty clay loam	slow	1.08 to 1.87 in	6.6 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

814--Hamerly-Lindaas complex

Hamerly

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 3 percent

Parent material: glacial 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) .20

Land capability, nonirrigated 2s

Hydric soil: no

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 8 in	loam	moderate	1.42 to 1.89 in	6.6 to 8.4
Bk -- 8 to 28 in	clay loam	moderate	3.01 to 3.81 in	7.4 to 8.4
C -- 28 to 60 in	clay loam	moderately slow	4.46 to 6.06 in	7.4 to 8.4

Lindaas

Extent: 25 percent of the unit

Landform(s): flats on moraines

Slope gradient: 0 to 1 percent

Parent material: glaciolacustrine sediments

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) .37

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 12 in	silty clay loam	moderately rapid	2.13 to 2.72 in	6.6 to 7.3
Btg -- 12 to 26 in	silty clay	slow	1.98 to 2.41 in	6.6 to 7.8
Bkg -- 26 to 36 in	silty clay loam	moderate	1.48 to 2.17 in	7.4 to 8.4
Cg -- 36 to 60 in	silty clay loam	moderate	1.92 to 5.28 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

827B--Esmond-Heimdal loams, 2 to 6 percent slopes

Esmond

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 3 to 6 percent

Parent material: glacial 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 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
Bk,C -- 8 to 60 in	loam	moderate	7.28 to 11.43 in	7.4 to 8.4

Heimdal

Extent: 25 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 6 percent

Parent material: glacial 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): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated

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 8 in	loam	moderate	1.57 to 1.89 in	6.1 to 7.3
Bw -- 8 to 13 in	loam	moderate	0.87 to 0.97 in	6.1 to 7.8
Bk,C -- 13 to 60 in	loam	moderate	5.15 to 9.84 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

827C2--Esmond-Heimdal loams, 6 to 12 percent slopes, eroded

Esmond, eroded

Extent: 70 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: glacial 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 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
Bk,C -- 8 to 60 in	loam	moderate	7.28 to 11.43 in	7.4 to 8.4

Heimdal, eroded

Extent: 20 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 9 percent

Parent material: glacial 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): 5

Wind erodibility index (WEI): 56

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 8 in	loam	moderate	1.57 to 1.89 in	6.1 to 7.3
Bw -- 8 to 10 in	loam	moderate	0.33 to 0.37 in	6.1 to 7.8
Bk,C -- 10 to 60 in	loam	moderate	5.50 to 10.50 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

900--Hamerly-Aazdahl-Lindaas complex

Hamerly

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 3 percent

Parent material: glacial 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) .20

Land capability, nonirrigated 2s

Hydric soil: no

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 8 in	loam	moderate	1.42 to 1.89 in	6.6 to 8.4
Bk -- 8 to 28 in	clay loam	moderate	3.01 to 3.81 in	7.4 to 8.4
C -- 28 to 60 in	clay loam	moderately slow	4.46 to 6.06 in	7.4 to 8.4

Aazdahl

Extent: 25 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 3 percent

Parent material: glacial 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) .17

Land capability, nonirrigated 1

Hydric soil: no

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 8 in	clay loam	moderate	1.34 to 1.50 in	6.6 to 7.3
Bw -- 8 to 11 in	clay loam	moderately slow	0.54 to 0.60 in	6.6 to 7.8
Bk -- 11 to 15 in	clay loam	moderately slow	0.55 to 0.67 in	7.4 to 8.4
C -- 15 to 60 in	clay loam	moderately slow	6.28 to 7.63 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

900--Hamerly-Aazdahl-Lindaas complex

Lindaas

Extent: 21 percent of the unit

Landform(s): flats on moraines

Slope gradient: 0 to 1 percent

Parent material: glaciolacustrine sediments

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) .37

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 12 in	silty clay loam	moderately rapid	2.13 to 2.72 in	6.6 to 7.3
Btg -- 12 to 26 in	silty clay	slow	1.98 to 2.41 in	6.6 to 7.8
Bkg -- 26 to 36 in	silty clay loam	moderate	1.48 to 2.17 in	7.4 to 8.4
Cg -- 36 to 60 in	silty clay loam	moderate	1.92 to 5.28 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

915B--Formdale-Buse clay loams, 4 to 6 percent slopes

Formdale

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 4 to 6 percent

Parent material: glacial 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) .20

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>
Ap,A -- 0 to 10 in	clay loam	moderate	1.67 to 1.87 in	6.1 to 7.3
Bw -- 10 to 14 in	clay loam	moderately slow	0.74 to 0.82 in	6.6 to 7.8
Bk -- 14 to 25 in	clay loam	moderately slow	1.54 to 2.09 in	7.4 to 8.4
C -- 25 to 60 in	clay loam	moderately slow	4.85 to 6.58 in	7.4 to 8.4

Buse

Extent: 25 percent of the unit

Landform(s): moraines

Slope gradient: 4 to 6 percent

Parent material: glacial 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) .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>
Ap -- 0 to 8 in	clay loam	moderately slow	1.34 to 1.73 in	6.6 to 8.4
Bk -- 8 to 17 in	clay loam	moderately slow	1.27 to 1.72 in	7.4 to 8.4
C -- 17 to 60 in	clay loam	moderately slow	6.01 to 8.15 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

915C2--Buse-Formdale clay loams, 6 to 12 percent slopes, eroded

Buse, eroded

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: glacial 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) .28

Land capability, nonirrigated 3e

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>
Ap -- 0 to 8 in	clay loam	moderately slow	1.34 to 1.73 in	6.6 to 8.4
Bk -- 8 to 27 in	clay loam	moderately slow	2.65 to 3.59 in	7.4 to 8.4
C -- 27 to 60 in	clay loam	moderately slow	4.63 to 6.28 in	7.4 to 8.4

Formdale, eroded

Extent: 25 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: glacial 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) .20

Land capability, nonirrigated 3e

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>
Ap -- 0 to 8 in	clay loam	moderate	1.34 to 1.50 in	6.1 to 7.3
Bw -- 8 to 11 in	clay loam	moderately slow	0.54 to 0.60 in	6.6 to 7.8
Bk -- 11 to 18 in	clay loam	moderately slow	0.99 to 1.35 in	7.4 to 8.4
C -- 18 to 60 in	clay loam	moderately slow	5.84 to 7.93 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

922--Hamerly-Parnell complex

Hamerly

Extent: 70 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 3 percent

Parent material: glacial 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) .20

Land capability, nonirrigated 2s

Hydric soil: no

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 8 in	loam	moderate	1.42 to 1.89 in	6.6 to 8.4
Bk -- 8 to 28 in	clay loam	moderate	3.01 to 3.81 in	7.4 to 8.4
C -- 28 to 60 in	clay loam	moderately slow	4.46 to 6.06 in	7.4 to 8.4

Parnell

Extent: 25 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: local alluvium over glacial 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) .32

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,A -- 0 to 20 in	silty clay loam	moderately slow	3.61 to 4.42 in	6.1 to 7.8
Btg -- 20 to 50 in	silty clay	slow	3.89 to 5.69 in	6.1 to 7.8
Cg -- 50 to 60 in	silty clay loam	slow	1.08 to 1.87 in	6.6 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

923C--Copaston-Rock outcrop complex, 1 to 25 percent slopes

Copaston

<p><i>Extent:</i> 70 percent of the unit</p> <p><i>Landform(s):</i> terraces</p> <p><i>Slope gradient:</i> 1 to 25 percent</p> <p><i>Parent material:</i> alluvium over bedrock</p> <p><i>Restrictive feature(s):</i> lithic bedrock at 12 to 20 inches</p> <p><i>Flooding:</i> none</p> <p><i>Ponding:</i> none</p> <p><i>Drainage class:</i> well drained</p>	<p><i>Soil loss tolerance (T factor):</i> 1</p> <p><i>Wind erodibility group (WEG):</i> 5</p> <p><i>Wind erodibility index (WEI):</i> 56</p> <p><i>Kw factor (surface layer)</i> .20</p> <p><i>Land capability, nonirrigated</i> 6e</p> <p><i>Hydric soil:</i> no</p> <p><i>Hydrologic group:</i> D</p> <p><i>Potential for frost action:</i> moderate</p>
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<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A -- 0 to 9 in	loam	moderate	1.81 to 1.99 in	5.6 to 7.3
Bw -- 9 to 14 in	loam	moderately rapid	0.77 to 0.87 in	5.6 to 7.3
2R -- 14 to 24 in	unweathered bedrock	very slow		

Rock outcrop

<p><i>Extent:</i> 25 percent of the unit</p> <p><i>Landform(s):</i> moraines</p> <p><i>Slope gradient:</i></p> <p><i>Parent material:</i></p> <p><i>Restrictive feature(s):</i> greater than 60 inches</p> <p><i>Flooding:</i> none</p> <p><i>Ponding:</i> none</p> <p><i>Drainage class:</i></p>	<p><i>Soil loss tolerance (T factor):</i></p> <p><i>Wind erodibility group (WEG):</i></p> <p><i>Wind erodibility index (WEI):</i></p> <p><i>Kw factor (surface layer)</i></p> <p><i>Land capability, nonirrigated</i></p> <p><i>Hydric soil:</i> unranked</p> <p><i>Hydrologic group:</i></p> <p><i>Potential for frost action:</i></p>
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<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>

Map Unit Description (MN)

Big Stone County, Minnesota

1013--Pits, quarry

Pits, quarry

Extent: 100 percent of the unit

Landform(s): terraces

Slope gradient: 0 to 70 percent

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated

Hydric soil: unranked

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

*Available water
capacity*

pH

Map Unit Description (MN)

Big Stone County, Minnesota

1030--Udorthents-pits, gravel complex

Udorthents

Extent: 50 percent of the unit

Landform(s): moraines, outwash plains, terraces

Slope gradient: 0 to 20 percent

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated

Hydric soil: unranked

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, gravel

Extent: 50 percent of the unit

Landform(s): moraines, outwash plains, terraces

Slope gradient: 0 to 40 percent

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated

Hydric soil: unranked

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)

Big Stone County, Minnesota

1817F--Esmond loam, 18 to 45 percent slopes, bouldery

Esmond, bouldery

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 18 to 45 percent

Parent material: glacial 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 7e

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>
A -- 0 to 10 in	very stony loam	moderate	1.97 to 2.17 in	7.4 to 8.4
Bk,C -- 10 to 60 in	loam	moderate	7.00 to 11.00 in	7.4 to 8.4

1916--Lindaas silty clay loam

Lindaas

Extent: 85 percent of the unit

Landform(s): flats, moraines

Slope gradient: 0 to 1 percent

Parent material: glaciolacustrine sediments

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) .37

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 12 in	silty clay loam	moderately rapid	2.13 to 2.72 in	6.6 to 7.3
Btg -- 12 to 26 in	silty clay	slow	1.98 to 2.41 in	6.6 to 7.8
Bkg -- 26 to 36 in	silty clay loam	moderate	1.48 to 2.17 in	7.4 to 8.4
Cg -- 36 to 60 in	silty clay loam	moderate	1.92 to 5.28 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

1940--Bigstone silty clay loam, ponded

Bigstone, ponded

Extent: 85 percent of the unit

Landform(s): flats on moraines

Slope gradient: 0 to 1 percent

Parent material: glaciolacustrine sediments over glacial 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) .28

Land capability, nonirrigated 8w

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 8 in	silty clay loam	moderately slow	1.42 to 1.73 in	7.4 to 8.4
A -- 8 to 45 in	silty clay loam	moderate	5.92 to 8.14 in	7.4 to 8.4
2Cg -- 45 to 60 in	clay loam	moderate	2.09 to 2.84 in	7.4 to 8.4

1949--Gardena silt loam

Gardena

Extent: 85 percent of the unit

Landform(s): lake plains

Slope gradient: 1 to 3 percent

Parent material: lacustrine sediments

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): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .37

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,Bw -- 0 to 21 in	silt loam	moderate	4.17 to 5.01 in	6.6 to 7.8
C -- 21 to 60 in	silt loam	moderately rapid	6.63 to 8.57 in	7.4 to 8.4

Map Unit Description (MN)

Big Stone County, Minnesota

1994--Embden loam

Embden

Extent: 85 percent of the unit

Landform(s): outwash plains

Slope gradient: 0 to 2 percent

Parent material: glaciofluvial sediments

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): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .28

Land capability, nonirrigated 2s

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 8 in	loam	moderately rapid	1.57 to 1.73 in	6.1 to 7.3
Bw -- 8 to 40 in	sandy loam	moderately rapid	3.87 to 5.49 in	6.6 to 7.8
C -- 40 to 60 in	loamy fine sand	moderately rapid	1.18 to 3.15 in	7.4 to 8.4

M-W--Water, miscellaneous

Water, miscellaneous

Extent: 100 percent of the unit

Landform(s):

Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

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)

Big Stone 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: none

Ponding: none

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated

Hydric soil: unranked

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

*Available water
capacity*

pH

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.