

Map Unit Description (MN)

Rock 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]

1015A--Havelock clay loam, 0 to 2 percent slopes, frequently flooded

Havelock, frequently flooded

Extent: 75 to 85 percent of the unit

Landform(s): flats on 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) .24

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>
A1,A2 -- 0 to 32 in	clay loam	moderate	5.42 to 7.33 in	7.4 to 8.4
Cg -- 32 to 60 in	clay loam	moderate	4.75 to 5.59 in	7.4 to 8.4

1024A--Havelock clay loam, 0 to 2 percent slopes, occasionally flooded

Havelock, occasionally flooded

Extent: 75 to 85 percent of the unit

Landform(s): flats on 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): 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,A1,A2 -- 0 to 32 in	clay loam	moderate	5.42 to 7.33 in	7.4 to 8.4
Cg -- 32 to 60 in	clay loam	moderate	4.75 to 5.59 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

GP--Pits, gravel-Udipsamments complex

Pits, gravel

Extent: 50 to 100 percent of the unit

Landform(s): moraines, outwash plains, stream terraces

Slope gradient: 0 to 45 percent

Parent material: sandy and gravelly outwash

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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Udipsamments

Extent: 15 to 30 percent of the unit

Landform(s): moraines, outwash plains, stream terraces

Slope gradient: 0 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Drainage class: excessively drained

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)

Rock County, Minnesota

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:

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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P3A--Biscay silty clay loam, 0 to 2 percent slopes, occasionally flooded

Biscay, occasionally flooded

Extent: 80 to 90 percent of the unit

Landform(s): flats on outwash plains

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: occasional

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) .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,A1 -- 0 to 16 in	silty clay loam	moderate	3.23 to 3.55 in	6.1 to 7.3
A2 -- 16 to 21 in	clay loam	moderate	0.80 to 0.90 in	6.6 to 7.3
Bg -- 21 to 31 in	clay loam	moderate	1.74 to 1.94 in	6.6 to 7.3
2Cg -- 31 to 60 in	coarse sand	rapid	0.57 to 1.15 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P4A--Calco silty clay loam, 0 to 2 percent slopes, frequently flooded

Calco, frequently flooded

Extent: 75 to 85 percent of the unit

Landform(s): flats on 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) .32

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>
A1,A2 -- 0 to 36 in	silty clay loam	moderate	7.52 to 8.24 in	7.4 to 8.4
Cg -- 36 to 60 in	silty clay loam	moderate	5.04 to 5.52 in	7.4 to 8.4

P5A--Calco silty clay loam, 0 to 2 percent slopes, occasionally flooded

Calco, occasionally flooded

Extent: 75 to 85 percent of the unit

Landform(s): flats on 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): 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,A1,A2,A3 -- 0 to 36 in	silty clay loam	moderate	7.52 to 8.24 in	7.4 to 8.4
Bg -- 36 to 44 in	silty clay loam	moderate	1.74 to 1.90 in	7.4 to 8.4
Cg -- 44 to 60 in	silty clay loam	moderate	3.31 to 3.62 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P6A--Colo silty clay loam, 0 to 2 percent slopes, occasionally flooded

Colo, occasionally flooded

Extent: 75 to 85 percent of the unit

Landform(s): flats on 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) .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,A1-3 -- 0 to 34 in	silty clay loam	moderate	7.11 to 7.79 in	5.6 to 7.3
BA,Bg -- 34 to 52 in	silty clay loam	moderate	3.26 to 3.62 in	5.6 to 7.3
Cg -- 52 to 60 in	silt loam	moderate	1.42 to 1.57 in	6.1 to 7.3

P7A--Comfrey clay loam, 0 to 2 percent slopes, occasionally flooded

Comfrey, occasionally flooded

Extent: 75 to 85 percent of the unit

Landform(s): flats on 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) .10

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>
A1,A2 -- 0 to 26 in	clay loam	moderate	4.68 to 5.72 in	6.6 to 7.3
Bg -- 26 to 35 in	clay loam	moderate	1.45 to 1.81 in	6.6 to 7.3
BCg,Cg -- 35 to 60 in	clay loam	moderate	3.72 to 4.71 in	6.6 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P8A--Cylinder loam, 0 to 2 percent slopes, occasionally flooded

Cylinder, occasionally flooded

Extent: 75 to 85 percent of the unit

Landform(s): flats on outwash plains

Slope gradient: 0 to 2 percent

Parent material: alluvium over outwash

Restrictive feature(s): greater than 60 inches

Flooding: occasional

Ponding: none

Drainage class: somewhat poorly 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/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,A1,A2 -- 0 to 18 in	loam	moderate	3.62 to 3.98 in	6.1 to 7.3
Bg1,Bg2 -- 18 to 28 in	loam	moderate	1.67 to 1.87 in	6.1 to 7.3
2BC -- 28 to 39 in	gravelly sand	very rapid	0.22 to 0.44 in	7.4 to 8.4
2C1,2C2 -- 39 to 60 in	gravelly sand	very rapid	0.42 to 0.83 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P11A--Dempster silt loam, 0 to 2 percent slopes

Dempster

Extent: 85 to 95 percent of the unit

Landform(s): flats on outwash plains

Slope gradient: 0 to 2 percent

Parent material: loess over 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: 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	silt loam	moderate	1.87 to 2.17 in	6.1 to 7.3
Bw1,Bw2 -- 10 to 29 in	silty clay loam	moderate	3.28 to 3.86 in	6.1 to 7.3
Bk -- 29 to 36 in	loam	moderate	0.87 to 1.14 in	7.4 to 8.4
2C -- 36 to 60 in	gravelly sand	rapid	0.72 to 1.44 in	7.4 to 8.4

P11B--Dempster silt loam, 2 to 6 percent slopes

Dempster

Extent: 85 to 95 percent of the unit

Landform(s): hills on outwash plains

Slope gradient: 2 to 6 percent

Parent material: loess over 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: 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	silt loam	moderate	2.24 to 2.60 in	6.1 to 7.3
Bw1,Bw2 -- 12 to 27 in	silty clay loam	moderate	2.61 to 3.07 in	6.1 to 7.3
2C -- 27 to 60 in	gravelly sand	rapid	0.98 to 1.96 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P12B--Everly silty clay loam, 2 to 6 percent slopes

Everly

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 2 to 6 percent

Parent material: loess 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): 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>
Ap -- 0 to 10 in	silty clay loam	moderate	1.67 to 1.87 in	6.1 to 7.3
Bw -- 10 to 18 in	silty clay loam	moderate	1.24 to 1.41 in	6.1 to 7.3
2Bk,2BC -- 18 to 80 in	clay loam	moderately slow	8.65 to 11.13 in	7.4 to 8.4

P12C2--Everly silty clay loam, 6 to 12 percent slopes, eroded

Everly, moderately eroded

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 6 to 12 percent

Parent material: loess 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): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

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 7 in	silty clay loam	moderate	1.20 to 1.35 in	6.1 to 7.3
Bw -- 7 to 16 in	silty clay loam	moderate	1.36 to 1.54 in	6.1 to 7.3
2Bk,2BC -- 16 to 80 in	clay loam	moderately slow	8.93 to 11.48 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P13A--Fairhaven silt loam, 0 to 2 percent slopes

Fairhaven

Extent: 80 to 90 percent of the unit

Landform(s): flats on outwash plains

Slope gradient: 0 to 2 percent

Parent material: loess over 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) .32

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	silt loam	moderate	1.73 to 1.89 in	6.1 to 7.3
A1 -- 8 to 13 in	loam	moderate	1.02 to 1.13 in	6.1 to 7.3
Bw1,Bw2 -- 13 to 36 in	loam	moderate	4.57 to 5.02 in	6.1 to 7.3
2C -- 36 to 60 in	gravelly sand	rapid	0.48 to 0.96 in	6.1 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P13B--Fairhaven silt loam, 2 to 6 percent slopes

Fairhaven

Extent: 75 to 85 percent of the unit

Landform(s): hills on outwash plains

Slope gradient: 2 to 6 percent

Parent material: loess over 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) .32

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 7 in	silt loam	moderate	1.56 to 1.70 in	6.1 to 7.3
A1 -- 7 to 12 in	loam	moderate	0.94 to 1.04 in	6.1 to 7.3
Bw1,Bw2 -- 12 to 27 in	loam	moderate	3.07 to 3.38 in	6.1 to 7.3
2C -- 27 to 60 in	gravelly sand	rapid	0.65 to 1.31 in	6.1 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P14A--Flandreau silt loam, 0 to 2 percent slopes

Flandreau

Extent: 85 to 95 percent of the unit

Landform(s): flats on outwash plains

Slope gradient: 0 to 2 percent

Parent material: loess over 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): 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: 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	1.57 to 1.73 in	6.1 to 7.3
AB,Bw1 -- 8 to 30 in	silt loam	moderate	3.53 to 4.85 in	6.1 to 7.3
2BC -- 30 to 47 in	sandy loam	moderately rapid	1.35 to 2.20 in	6.1 to 7.3
2C -- 47 to 60 in	loamy sand	rapid	0.78 to 1.30 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P14B--Flandreau silt loam, 2 to 6 percent slopes

Flandreau

Extent: 75 to 85 percent of the unit

Landform(s): hills on outwash plains

Slope gradient: 2 to 6 percent

Parent material: loess over 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) .32

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	silt loam	moderate	1.57 to 1.73 in	6.1 to 7.3
AB,Bw1,Bw2 -- 8 to 30 in	silt loam	moderate	3.53 to 4.85 in	6.1 to 7.3
2BC -- 30 to 36 in	loamy sand	rapid	0.35 to 0.59 in	6.1 to 7.3
2C -- 36 to 60 in	loamy sand	rapid	1.44 to 2.40 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P15B--Galva silty clay loam, 2 to 5 percent slopes

Galva

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 2 to 5 percent

Parent material: loess

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) .24

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 11 in	silty clay loam	moderate	2.09 to 2.43 in	6.1 to 7.3
BA,Bw1,2 -- 11 to 31 in	silty clay loam	moderate	3.41 to 4.02 in	6.1 to 7.3
BC -- 31 to 45 in	silt loam	moderate	2.34 to 2.76 in	6.1 to 7.3
C -- 45 to 60 in	silt loam	moderate	2.54 to 2.99 in	7.4 to 8.4

P15C2--Galva silty clay loam, 5 to 9 percent slopes, eroded

Galva, moderately eroded

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 5 to 9 percent

Parent material: loess

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 3e

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	silty clay loam	moderate	1.50 to 1.73 in	6.1 to 7.3
Bw1,Bw2 -- 8 to 34 in	silty clay loam	moderate	4.42 to 5.20 in	6.1 to 7.3
C -- 34 to 60 in	silt loam	moderate	4.42 to 5.20 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P16A--Graceville silty clay loam, 0 to 2 percent slopes

Graceville

Extent: 85 to 95 percent of the unit

Landform(s): flats on outwash plains

Slope gradient: 0 to 2 percent

Parent material: loess over 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): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated 1

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 20 in	silty clay loam	moderate	3.41 to 3.81 in	5.6 to 7.3
Bw1,Bw2,Bw3 --	silty clay loam	moderate	5.62 to 7.28 in	5.6 to 7.3
2C -- 53 to 60 in	gravelly sand	rapid	0.20 to 0.40 in	6.1 to 7.8

P16B--Graceville silty clay loam, 2 to 6 percent slopes

Graceville

Extent: 85 to 95 percent of the unit

Landform(s): hills on outwash plains

Slope gradient: 2 to 6 percent

Parent material: loess over 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): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

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 20 in	silty clay loam	moderate	3.41 to 3.81 in	5.6 to 7.3
Bw1-3 -- 20 to 53 in	silty clay loam	moderate	5.62 to 7.28 in	5.6 to 7.3
2C -- 53 to 60 in	gravelly sand	rapid	0.20 to 0.40 in	6.1 to 7.8

Map Unit Description (MN)

Rock County, Minnesota

P17A--Ihlen silty clay loam, 0 to 2 percent slopes

Ihlen

Extent: 85 to 95 percent of the unit

Landform(s): flats on till plains

Slope gradient: 0 to 2 percent

Parent material: loess over bedrock

Restrictive feature(s): lithic bedrock at 20 to 40 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

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>
A -- 0 to 12 in	silty clay loam	moderate	2.13 to 2.60 in	6.1 to 7.3
Bw1,Bw2 -- 12 to 38 in	silty clay loam	moderate	4.22 to 5.01 in	6.1 to 7.3
2R -- 38 to 80 in	unweathered bedrock	very slow		

P17B--Ihlen silty clay loam, 2 to 6 percent slopes

Ihlen

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 2 to 6 percent

Parent material: loess over bedrock

Restrictive feature(s): lithic bedrock at 20 to 40 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

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>
A -- 0 to 8 in	silty clay loam	moderate	1.42 to 1.73 in	6.1 to 7.3
Bw1,Bw2 -- 8 to 23 in	silty clay loam	moderate	2.39 to 2.84 in	6.1 to 7.3
BC,C -- 23 to 31 in	silt loam	moderate	1.65 to 1.82 in	6.6 to 8.4
2R -- 31 to 80 in	unweathered bedrock	very slow		

Map Unit Description (MN)

Rock County, Minnesota

P18B--Ihlen-Rock outcrop complex, 0 to 4 percent slopes

Ihlen

Extent: 50 to 60 percent of the unit

Landform(s): hills on till plains

Slope gradient: 0 to 4 percent

Parent material: loess over bedrock

Restrictive feature(s): lithic bedrock at 20 to 40 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

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>
A -- 0 to 11 in	silty clay loam	moderate	1.98 to 2.43 in	6.1 to 7.3
Bw1,Bw2 -- 11 to 32 in	silty clay loam	moderate	3.34 to 3.96 in	6.1 to 7.3
2R -- 32 to 80 in	unweathered bedrock	very slow		

Rock outcrop

Extent: 20 to 30 percent of the unit

Landform(s): till plains

Slope gradient: 0 to 4 percent

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>

Map Unit Description (MN)

Rock County, Minnesota

P18C--Ihlen-Rock outcrop complex, 4 to 35 percent slopes

Ihlen

Extent: 40 to 50 percent of the unit

Landform(s): hills on till plains

Slope gradient: 4 to 35 percent

Parent material: loess over bedrock

Restrictive feature(s): lithic bedrock at 20 to 40 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

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 14 in	silty clay loam	moderate	2.55 to 3.12 in	6.1 to 7.3
Bw1,Bw2 -- 14 to 27 in	silty clay loam	moderate	2.08 to 2.47 in	6.1 to 7.3
2R -- 27 to 80 in	unweathered bedrock	very slow		

Rock outcrop

Extent: 35 to 45 percent of the unit

Landform(s): till plains

Slope gradient: 4 to 35 percent

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>

Map Unit Description (MN)

Rock County, Minnesota

P19A--Judson silty clay loam, 1 to 3 percent slopes

Judson

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 1 to 3 percent

Parent material: colluvium

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 1

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,A1,A2 -- 0 to 22 in	silty clay loam	moderate	4.19 to 4.85 in	6.1 to 7.3
AB,Bw -- 22 to 35 in	silty clay loam	moderate	2.47 to 2.86 in	6.1 to 7.3
BC,C -- 35 to 60 in	silty clay loam	moderate	4.22 to 5.46 in	6.1 to 7.3

P20B--Judson silt loam, 3 to 8 percent slopes

Judson

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 3 to 8 percent

Parent material: colluvium

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 36 in	silt loam	moderate	6.81 to 7.88 in	6.1 to 7.3
Bw1,Bw2 -- 36 to 56 in	silty clay loam	moderate	3.81 to 4.42 in	6.1 to 7.3
C -- 56 to 60 in	silty clay loam	moderate	0.67 to 0.79 in	6.6 to 7.8

Map Unit Description (MN)

Rock County, Minnesota

P21A--Marcus silty clay loam, 0 to 2 percent slopes

Marcus

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 0 to 2 percent

Parent material: loess

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: 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, A1,2 -- 0 to 17 in	silty clay loam	moderately slow	3.56 to 3.89 in	6.1 to 7.3
BA,Bg1-3 -- 17 to 44 in	silty clay loam	moderately slow	4.89 to 5.43 in	6.1 to 7.3
Cg1 -- 44 to 57 in	silt loam	moderately slow	2.60 to 2.86 in	7.9 to 8.4
2Cg2 -- 57 to 60 in	loam	moderately slow	0.47 to 0.52 in	7.9 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P24B--Moody silty clay loam, 2 to 5 percent slopes

Moody

Extent: 80 to 90 percent of the unit

Landform(s): hills on till plains

Slope gradient: 2 to 5 percent

Parent material: loess

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) .24

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 10 in	silty clay loam	moderate	1.87 to 2.17 in	6.1 to 7.3
Bw1,Bw2,Bw3 -- 10 to 35 in	silty clay loam	moderate	4.28 to 5.04 in	6.1 to 7.3
Bk -- 35 to 48 in	silt loam	moderate	2.21 to 2.60 in	7.4 to 8.4
C -- 48 to 60 in	silt loam	moderate	2.01 to 2.36 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P24C2--Moody silty clay loam, 5 to 9 percent slopes, eroded

Moody, moderately eroded

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 5 to 9 percent

Parent material: loess

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) .24

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	silty clay loam	moderate	1.50 to 1.73 in	6.1 to 7.3
Bw1,Bw2 -- 8 to 34 in	silty clay loam	moderate	4.42 to 5.20 in	6.1 to 7.3
Bk -- 34 to 50 in	silt loam	moderate	2.74 to 3.23 in	7.4 to 8.4
C -- 50 to 60 in	silt loam	moderate	1.67 to 1.97 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P25C2--Nora silt loam, 4 to 10 percent slopes, eroded

Nora, moderately eroded

Extent: 80 to 90 percent of the unit

Landform(s): hills on till plains

Slope gradient: 4 to 10 percent

Parent material: loess

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) .37

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	silt loam	moderate	1.50 to 1.73 in	6.1 to 7.3
Bw1,Bw2 -- 8 to 24 in	silt loam	moderate	2.74 to 3.23 in	6.1 to 7.3
Bk -- 24 to 33 in	silt loam	moderate	1.54 to 1.81 in	7.4 to 8.4
C1,C2 -- 33 to 60 in	silt loam	moderate	4.55 to 5.35 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P25D2--Nora silt loam, 10 to 18 percent slopes, eroded

Nora, moderately eroded

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 10 to 18 percent

Parent material: loess

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) .37

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	silt loam	moderate	1.50 to 1.73 in	6.1 to 7.3
Bw1,Bw2 -- 8 to 32 in	silt loam	moderate	4.08 to 4.80 in	6.1 to 7.3
Bk -- 32 to 40 in	silt loam	moderate	1.34 to 1.57 in	7.4 to 8.4
C -- 40 to 60 in	silt loam	moderate	3.41 to 4.02 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P26C2--Nora-Crofton complex, 6 to 12 percent slopes, eroded

Nora, moderately eroded

Extent: 40 to 60 percent of the unit

Landform(s): hills on till plains

Slope gradient: 6 to 12 percent

Parent material: loess

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) .37

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	silt loam	moderate	1.50 to 1.73 in	6.1 to 7.3
Bw1,Bw2 -- 8 to 22 in	silt loam	moderate	2.41 to 2.83 in	6.1 to 7.3
Bk -- 22 to 30 in	silt loam	moderate	1.34 to 1.57 in	7.4 to 8.4
C -- 30 to 60 in	silt loam	moderate	5.09 to 5.98 in	7.4 to 8.4

Crofton, moderately eroded

Extent: 20 to 40 percent of the unit

Landform(s): hills on till plains

Slope gradient: 6 to 12 percent

Parent material: loess

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) .37

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	silt loam	moderate	1.65 to 1.89 in	7.4 to 8.4
Bk -- 8 to 14 in	silt loam	moderate	1.13 to 1.39 in	7.4 to 8.4
C1,C2 -- 14 to 60 in	silt loam	moderate	8.22 to 10.05 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P26D2--Nora-Crofton complex, 12 to 18 percent slopes, eroded

Nora, moderately eroded

Extent: 40 to 50 percent of the unit

Landform(s): hills on till plains

Slope gradient: 12 to 18 percent

Parent material: loess

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) .37

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	silt loam	moderate	1.50 to 1.73 in	6.1 to 7.3
Bw1,Bw2 -- 8 to 30 in	silt loam	moderate	3.75 to 4.41 in	6.1 to 7.3
Bk -- 30 to 38 in	silt loam	moderate	1.34 to 1.57 in	7.4 to 8.4
C -- 38 to 60 in	silt loam	moderate	3.75 to 4.41 in	7.4 to 8.4

Crofton, moderately eroded

Extent: 30 to 40 percent of the unit

Landform(s): hills on till plains

Slope gradient: 12 to 18 percent

Parent material: loess

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) .37

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	silt loam	moderate	1.24 to 1.42 in	7.4 to 8.4
Bk1,2 -- 6 to 20 in	silt loam	moderate	2.55 to 3.12 in	7.4 to 8.4
C -- 20 to 60 in	silt loam	moderate	7.16 to 8.75 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P27A--Primghar silty clay loam, 1 to 3 percent slopes

Primghar

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 1 to 3 percent

Parent material: loess

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) .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,A1,A2 -- 0 to 21 in	silty clay loam	moderate	3.96 to 4.59 in	6.1 to 7.3
Bw1,Bw2,Bw3 -- 21 to 42 in	silty clay loam	moderate	3.61 to 4.25 in	6.1 to 7.3
C -- 42 to 60 in	silty clay loam	moderate	3.01 to 3.54 in	7.4 to 8.4

P28A--Ransom silty clay loam, 1 to 3 percent slopes

Ransom

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 1 to 3 percent

Parent material: loess over 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) .32

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,A,AB -- 0 to 16 in	silty clay loam	moderate	2.91 to 3.55 in	6.6 to 7.3
Bw1,Bw2,Bw3 -- 16 to 33 in	silty clay loam	moderate	2.71 to 3.22 in	6.6 to 7.3
2BcK,2BC -- 33 to 80 in	clay loam	moderately slow	6.56 to 8.43 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P29A--Rushmore silty clay loam, 0 to 2 percent slopes

Rushmore

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 0 to 2 percent

Parent material: loess over 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) .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,AB -- 0 to 18 in	silty clay loam	moderate	3.26 to 3.98 in	6.6 to 7.3
Bg1,Bg2 -- 18 to 24 in	silty clay loam	moderate	0.94 to 1.12 in	6.6 to 7.3
BCg -- 24 to 32 in	silty clay loam	moderate	1.26 to 1.50 in	7.4 to 7.8
2BCkg,2BCg -- 32 to 80 in	clay loam	moderately slow	6.72 to 8.65 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P30B--Sac silty clay loam, 2 to 5 percent slopes

Sac

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 2 to 5 percent

Parent material: loess 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): 6

Wind erodibility index (WEI): 48

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 11 in	silty clay loam	moderate	2.31 to 2.54 in	6.1 to 7.3
BA,Bw1 -- 11 to 28 in	silty clay loam	moderate	3.05 to 3.39 in	6.1 to 7.3
2Bw2 -- 28 to 33 in	clay loam	moderately slow	0.72 to 0.92 in	6.1 to 7.3
2BCK,2BC -- 33 to 60 in	clay loam	moderately slow	3.75 to 4.82 in	7.4 to 8.4

P30C2--Sac silty clay loam, 5 to 10 percent slopes, eroded

Sac, moderately eroded

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 5 to 10 percent

Parent material: loess 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): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated 3e

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	silty clay loam	moderate	1.65 to 1.81 in	6.1 to 7.3
Bw -- 8 to 26 in	silty clay loam	moderate	3.26 to 3.62 in	6.1 to 7.3
2BCK -- 26 to 60 in	clay loam	moderately slow	4.74 to 6.09 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P31A--Spicer silty clay loam, 0 to 2 percent slopes

Spicer

Extent: 80 to 90 percent of the unit

Landform(s): hills on till plains

Slope gradient: 0 to 2 percent

Parent material: loess

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,AB -- 0 to 17 in	silty clay loam	moderate	3.05 to 4.06 in	7.4 to 8.4
Bg1,Bg2 -- 17 to 35 in	silty clay loam	moderate	2.90 to 3.98 in	7.4 to 8.4
Cg -- 35 to 60 in	silty clay loam	moderate	3.97 to 5.46 in	7.4 to 8.4

P32A--Spillco silt loam, 0 to 2 percent slopes, frequently flooded

Spillco, frequently flooded

Extent: 80 to 90 percent of the unit

Landform(s): flats on flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

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 5w

Hydric soil: yes

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 35 in	silt loam	moderate	6.66 to 7.36 in	6.6 to 7.3
C1,C2 -- 35 to 60 in	loam	moderate	4.71 to 5.21 in	6.6 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P33A--Spillco silt loam, 0 to 2 percent slopes, occasionally flooded

Spillco, occasionally flooded

Extent: 80 to 90 percent of the unit

Landform(s): flats on 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) .32

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>
A1 -- 0 to 10 in	silt loam	moderate	1.87 to 2.07 in	6.6 to 7.3
A2,A3,A4 -- 10 to 35 in	silt loam	moderate	4.79 to 5.29 in	6.6 to 8.4
C -- 35 to 60 in	loam	moderate	4.71 to 5.21 in	6.6 to 8.4

P34B--Splitrock silty clay loam, 2 to 5 percent slopes

Splitrock

Extent: 75 to 90 percent of the unit

Landform(s): hills on till plains

Slope gradient: 2 to 5 percent

Parent material: loess 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): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

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 10 in	silty clay loam	moderate	2.07 to 2.26 in	6.1 to 7.3
Bw1,Bw2 -- 10 to 30 in	silty clay loam	moderate	3.61 to 4.02 in	6.1 to 7.3
2Bk,2BC -- 30 to 80 in	clay loam	moderately slow	7.00 to 8.00 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P34C2--Splitrock silty clay loam, 5 to 9 percent slopes, eroded

Splitrock, moderately eroded

Extent: 75 to 85 percent of the unit

Landform(s): hills on till plains

Slope gradient: 5 to 9 percent

Parent material: loess 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): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

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 loam	moderate	1.65 to 1.81 in	6.1 to 7.3
Bw -- 8 to 26 in	silty clay loam	moderate	3.26 to 3.62 in	6.1 to 7.3
2Bk,2Bck -- 26 to 60 in	clay loam	moderately slow	4.74 to 5.42 in	7.4 to 8.4

P36A--Talcot silty clay loam, 0 to 2 percent slopes, occasionally flooded

Talcot, occasionally flooded

Extent: 80 to 90 percent of the unit

Landform(s): flats on outwash plains

Slope gradient: 0 to 2 percent

Parent material: alluvium over outwash

Restrictive feature(s): greater than 60 inches

Flooding: occasional

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,A1,A2 -- 0 to 22 in	silty clay loam	moderate	3.97 to 4.85 in	7.4 to 8.4
Bg -- 22 to 33 in	silty clay loam	moderate	1.87 to 2.20 in	7.4 to 8.4
2Cg -- 33 to 60 in	coarse sand	rapid	0.54 to 1.07 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P37B--Talmo gravelly sandy loam, 2 to 6 percent slopes

Talmo

Extent: 85 to 95 percent of the unit

Landform(s): hills on outwash plains

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .10

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>
A -- 0 to 7 in	gravelly sandy loam	moderately rapid	0.71 to 0.85 in	6.1 to 8.4
AC -- 7 to 10 in	gravelly loamy sand	rapid	0.06 to 0.11 in	7.4 to 8.4
C1,C2 -- 10 to 60 in	very gravelly coarse sand	rapid	1.00 to 2.00 in	7.4 to 8.4

P37D--Talmo gravelly sandy loam, 6 to 35 percent slopes

Talmo

Extent: 85 to 95 percent of the unit

Landform(s): hills on outwash plains

Slope gradient: 6 to 35 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .10

Land capability, nonirrigated 7s

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>
A -- 0 to 9 in	gravelly sandy loam	moderately rapid	0.91 to 1.09 in	6.1 to 8.4
AC -- 9 to 12 in	gravelly loamy sand	rapid	0.06 to 0.11 in	7.4 to 8.4
C1,C2 -- 12 to 60 in	very gravelly sand	rapid	0.96 to 1.92 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P38B--Thurman sandy loam, 2 to 6 percent slopes

Thurman

Extent: 85 to 95 percent of the unit
Landform(s): hills on outwash plains
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) .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,A -- 0 to 10 in	sandy loam	moderately rapid	1.28 to 1.48 in	6.1 to 6.5
AC -- 10 to 20 in	sandy loam	moderately rapid	1.23 to 1.43 in	6.1 to 7.3
C1,C2 -- 20 to 60 in	sand	rapid	0.80 to 2.78 in	6.1 to 7.8

P38C--Thurman sandy loam, 6 to 12 percent slopes

Thurman

Extent: 85 to 95 percent of the unit
Landform(s): hills on outwash plains
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) .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,A -- 0 to 10 in	sandy loam	moderately rapid	1.28 to 1.48 in	6.1 to 6.5
AC -- 10 to 20 in	sandy loam	moderately rapid	1.23 to 1.43 in	6.1 to 7.3
C1,C2 -- 20 to 60 in	sand	rapid	0.80 to 2.78 in	6.1 to 7.8

Map Unit Description (MN)

Rock County, Minnesota

P40A--Bluemound silt loam, 0 to 3 percent slopes

Bluemound

Extent: 80 to 90 percent of the unit

Landform(s): flats on till plains

Slope gradient: 0 to 3 percent

Parent material: loess over bedrock

Restrictive feature(s): lithic bedrock at 10 to 20 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated 6s

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>
A -- 0 to 14 in	silt loam	moderate	2.55 to 3.12 in	6.1 to 7.3
2R -- 14 to 80 in	unweathered bedrock	very slow		

P41A--Rosedell silty clay loam, 0 to 2 percent slopes

Rosedell

Extent: 90 to 98 percent of the unit

Landform(s): flats on lake plains

Slope gradient: 0 to 2 percent

Parent material: lacustrine deposits and/or till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

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 -- 0 to 10 in	silty clay loam	moderately slow	2.07 to 2.26 in	6.1 to 7.3
2Bg -- 10 to 30 in	clay loam	moderately slow	3.61 to 4.02 in	6.1 to 7.3
3Bkg -- 30 to 44 in	silty clay	moderately slow	2.55 to 2.83 in	7.4 to 8.4
3Cg1,3Cg2 -- 44 to 80 in	clay	moderately slow	6.45 to 7.17 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P42A--Whitewood silty clay loam, 0 to 2 percent slopes

Whitewood

Extent: 65 to 80 percent of the unit

Landform(s): hills on till plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

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) .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,Bw -- 0 to 25 in	silty clay loam	moderately slow	4.79 to 5.54 in	6.1 to 7.3
Bg1,Bg2 -- 25 to 43 in	silty clay loam	moderately slow	3.01 to 3.54 in	6.6 to 7.8
Bkg -- 43 to 60 in	silty clay loam	moderately slow	2.88 to 3.39 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P43A--Wilmonton silty clay loam, 1 to 3 percent slopes

Wilmonton

Extent: 80 to 90 percent of the unit

Landform(s): hills on till plains

Slope gradient: 1 to 3 percent

Parent material: loess over 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) .28

Land capability, nonirrigated 1

Hydric soil: no

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,A -- 0 to 15 in	silty clay loam	moderate	2.99 to 3.89 in	6.1 to 7.3
Bw -- 15 to 20 in	loam	moderate	0.92 to 1.23 in	6.1 to 7.3
2Bw -- 20 to 25 in	clay loam	moderately slow	0.72 to 0.92 in	6.1 to 7.3
2Bk -- 25 to 55 in	clay loam	moderately slow	4.19 to 5.39 in	7.4 to 8.4
2BC1,2BC2 -- 55 to 80 in	clay loam	moderately slow	3.47 to 4.46 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P44E--Shindler clay loam, 15 to 45 percent slopes

Shindler

Extent: 80 to 90 percent of the unit

Landform(s): hills on till plains

Slope gradient: 15 to 45 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) .20

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>
A -- 0 to 7 in	clay loam	moderately slow	1.13 to 1.28 in	7.4 to 8.4
Bw -- 7 to 11 in	clay loam	moderately slow	0.55 to 0.63 in	7.4 to 8.4
Bk1,Bk2 -- 11 to 35 in	clay loam	moderately slow	3.36 to 3.84 in	7.4 to 8.4
BC -- 35 to 60 in	clay loam	moderately slow	3.47 to 3.97 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P45E--Moneta clay loam, 15 to 45 percent slopes

Moneta

Extent: 80 to 90 percent of the unit

Landform(s): hills on till plains

Slope gradient: 15 to 45 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) .24

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>
A -- 0 to 9 in	clay loam	moderately slow	1.27 to 1.63 in	7.4 to 8.4
BA -- 9 to 13 in	clay loam	moderately slow	0.55 to 0.71 in	7.4 to 8.4
Bk,BC1 -- 13 to 53 in	clay loam	moderately slow	5.62 to 7.23 in	7.4 to 8.4
BC2 -- 53 to 80 in	clay loam	moderately slow	3.75 to 4.82 in	7.4 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P46--Trent silty clay loam, 1 to 3 percent slopes

Trent

Extent: 70 to 90 percent of the unit

Landform(s): drainageways on uplands

Slope gradient: 1 to 3 percent

Parent material: calcareous loess

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 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	silty clay loam	moderately slow	1.50 to 1.73 in	5.6 to 7.3
A -- 8 to 23 in	silty clay loam	moderately slow	2.92 to 3.38 in	5.6 to 7.3
Bw -- 23 to 44 in	silty clay loam	moderately slow	3.55 to 4.17 in	6.1 to 7.3
Bk -- 44 to 59 in	silt loam	moderate	2.54 to 2.99 in	6.6 to 8.4
C -- 59 to 80 in	silt loam	moderate	3.55 to 4.17 in	6.6 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P47A--Whitewood silty clay loam, overwash, 0 to 2 percent slopes

Whitewood, overwash

Extent: 75 to 90 percent of the unit

Landform(s): hills on till plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

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) .32

Land capability, nonirrigated 2w

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,A1,A2 -- 0 to 48 in	silty clay loam	moderately slow	9.13 to 10.57 in	6.6 to 7.8
Bkg -- 48 to 70 in	silty clay loam	moderately slow	3.75 to 4.41 in	7.4 to 8.4
Cg -- 70 to 80 in	silty clay loam	moderately slow	1.67 to 1.97 in	7.4 to 8.4

P48A--Allendorf silty clay loam, 0 to 2 percent slopes

Allendorf

Extent: 80 to 90 percent of the unit

Landform(s): flats on outwash plains

Slope gradient: 0 to 2 percent

Parent material: loess over 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) .24

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,A -- 0 to 14 in	silty clay loam	moderate	2.69 to 3.12 in	6.1 to 7.3
Bw1,Bw2,Bw3 -- 14 to 34 in	silty clay loam	moderate	3.35 to 3.94 in	6.1 to 7.3
2BC,2C1 -- 34 to 60 in	very gravelly loamy coarse sand	very rapid	0.52 to 1.04 in	6.1 to 8.4

Map Unit Description (MN)

Rock County, Minnesota

P48B--Allendorf silty clay loam, 2 to 6 percent slopes

Allendorf

Extent: 80 to 90 percent of the unit

Landform(s): hills on outwash plains

Slope gradient: 2 to 6 percent

Parent material: loess over 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) .24

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 14 in	silty clay loam	moderate	2.69 to 3.12 in	6.1 to 7.3
Bw1,Bw2,Bw3 -- 14 to 34 in	silty clay loam	moderate	3.35 to 3.94 in	6.1 to 7.3
2BC,2C1 -- 34 to 60 in	very gravelly loamy coarse sand	very rapid	0.52 to 1.04 in	6.1 to 8.4

P55A--Kato silty clay loam, 0 to 2 percent slopes

Kato

Extent: 85 to 95 percent of the unit

Landform(s): flats on outwash plains

Slope gradient: 0 to 2 percent

Parent material: loess over 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) .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,AB -- 0 to 21 in	silty clay loam	moderate	4.17 to 4.59 in	6.1 to 7.3
Bg1,Bg2 -- 21 to 31 in	silty clay loam	moderate	2.05 to 2.25 in	6.1 to 7.3
BCg -- 31 to 35 in	sandy loam	rapid	0.47 to 0.55 in	6.1 to 7.3
2Cg1,2Cg2 -- 35 to 60 in	coarse sand	rapid	0.50 to 0.99 in	7.4 to 8.4

Map Unit Description (MN)

Rock 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.