

Soil Descriptions - Non Technical

12AC--Emmert Gravelly Sandy Loam, 0 To 12 Percent Slopes

Component Description

Emmert and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 12 percent
Surface layer texture: Gravelly sandy loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 2.3 inches
Content of organic matter in the upper 10 inches: 0.5 percent
Typical profile:
 H1--0 to 5 inches; gravelly sandy loam
 H2--5 to 60 inches;

12BC--Emmert Gravelly Sandy Loam, 2 To 12 Percent Slopes

Component Description

Emmert and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 12 percent
Surface layer texture: Gravelly sandy loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 2.3 inches
Content of organic matter in the upper 10 inches: 0.5 percent
Typical profile:
 H1--0 to 5 inches; gravelly sandy loam
 H2--5 to 60 inches;

12DE--Emmert Gravelly Sandy Loam, 12 To 25 Percent Slopes

Component Description

Emmert and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 25 percent
Surface layer texture: Gravelly sandy loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 2.3 inches
Content of organic matter in the upper 10 inches: 0.5 percent

Typical profile:

H1--0 to 5 inches; gravelly sandy loam

H2--5 to 60 inches;

12F--Emmert Gravelly Sandy Loam, 25 To 40 Percent Slopes

Component Description

Emmert and similar soils

Extent: 100 percent of the unit

Slope range: 25 to 40 percent

Surface layer texture: Gravelly sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 2.3 inches

Content of organic matter in the upper 10 inches: 0.5 percent

Typical profile:

H1--0 to 5 inches; gravelly sandy loam

H2--5 to 60 inches;

14--Adolph Silty Clay Loam

Component Description

Adolph and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Depression

Slope range: 0 to 1 percent

Surface layer texture: Silty clay loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface	January	February	March	April	May
	June	October	November	December	

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet	July	August	September
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Ponding: At 0.5 foot all year

Available water capacity to a depth of 60 inches: 8.0 inches

Content of organic matter in the upper 10 inches: 6.0 percent

Typical profile:

H1--0 to 5 inches; silty clay loam

H2--5 to 13 inches;

H3--13 to 32 inches;

H4--32 to 44 inches;

H5--44 to 60 inches;

22--Seep

Component Description

Seep

Extent: 100 percent of the unit

43B--Automba Loam, 2 To 6 Percent Slopes

Component Description

Automba and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 7.8 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 24 inches; loam

H2--24 to 46 inches;

H3--46 to 60 inches;

43BC--Automba Loam, 2 To 12 Percent Slopes

Component Description

Automba and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 12 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 7.8 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 24 inches; loam

H2--24 to 46 inches;

H3--46 to 60 inches;

43C--Automba Loam, 6 To 12 Percent Slopes

Component Description

Automba and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 7.8 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 24 inches; loam

H2--24 to 46 inches;

H3--46 to 60 inches;

49A--Antigo Silt Loam, 0 To 2 Percent Slopes

Component Description

Antigo and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 7.3 inches

Content of organic matter in the upper 10 inches: 1.9 percent

Typical profile:

H1--0 to 9 inches; silt loam

H2--9 to 12 inches;

H3--12 to 28 inches;

H4--28 to 33 inches;

H5--33 to 60 inches;

49B--Antigo Silt Loam, 2 To 6 Percent Slopes

Component Description

Antigo and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 7.3 inches

Content of organic matter in the upper 10 inches: 1.9 percent

Typical profile:

H1--0 to 9 inches; silt loam

H2--9 to 12 inches;

H3--12 to 28 inches;

H4--28 to 33 inches;

H5--33 to 60 inches;

49BC--Antigo Silt Loam, 2 To 12 Percent Slopes

Component Description

Antigo and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 7.3 inches

Content of organic matter in the upper 10 inches: 1.9 percent

Typical profile:

H1--0 to 9 inches; silt loam
H2--9 to 12 inches;
H3--12 to 28 inches;
H4--28 to 33 inches;
H5--33 to 60 inches;

49C--Antigo Silt Loam, 6 To 12 Percent Slopes

Component Description

Antigo and similar soils

Extent: 100 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 7.3 inches
Content of organic matter in the upper 10 inches: 1.9 percent
Typical profile:

H1--0 to 9 inches; silt loam
H2--9 to 12 inches;
H3--12 to 28 inches;
H4--28 to 33 inches;
H5--33 to 60 inches;

119B--Pomroy Fine Sand, 2 To 6 Percent Slopes

Component Description

Pomroy and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.0 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:

H1--0 to 6 inches; fine sand
H2--6 to 22 inches;
H3--22 to 31 inches;
H4--31 to 41 inches;
H5--41 to 60 inches;

119BC--Pomroy Fine Sand, 2 To 12 Percent Slopes

Component Description

Pomroy and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 12 percent

Surface layer texture: Fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.0 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:
H1--0 to 6 inches; fine sand
H2--6 to 22 inches;
H3--22 to 31 inches;
H4--31 to 41 inches;
H5--41 to 60 inches;

119C--Pomroy Fine Sand, 6 To 12 Percent Slopes

Component Description

Pomroy and similar soils

Extent: 100 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.0 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:
H1--0 to 6 inches; fine sand
H2--6 to 22 inches;
H3--22 to 31 inches;
H4--31 to 41 inches;
H5--41 to 60 inches;

119D--Pomroy Fine Sand, 12 To 18 Percent Slopes

Component Description

Pomroy and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 18 percent
Surface layer texture: Fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.0 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:
H1--0 to 6 inches; fine sand
H2--6 to 22 inches;
H3--22 to 31 inches;
H4--31 to 41 inches;
H5--41 to 60 inches;

124--Brickton Silt Loam

Component Description

Brickton and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Flat

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

1.0 feet

January February March April May

June October November December

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet

July August September

Ponding: None

Available water capacity to a depth of 60 inches: 11.3 inches

Content of organic matter in the upper 10 inches: 2.1 percent

Typical profile:

H1--0 to 4 inches; silt loam

H2--4 to 10 inches;

H3--10 to 25 inches;

H4--25 to 60 inches;

126A--Graycalm Sand, 0 To 2 Percent Slopes

Component Description

Graycalm and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.4 inches

Content of organic matter in the upper 10 inches: 0.6 percent

Typical profile:

H1--0 to 3 inches; sand

H2--3 to 22 inches;

H3--22 to 60 inches;

H4--60 to 70 inches;

126B--Graycalm Sand, 2 To 6 Percent Slopes

Component Description

Graycalm and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None
 Ponding: None
 Available water capacity to a depth of 60 inches: 4.4 inches
 Content of organic matter in the upper 10 inches: 0.6 percent
 Typical profile:
 H1--0 to 3 inches; sand
 H2--3 to 22 inches;
 H3--22 to 60 inches;
 H4--60 to 70 inches;

126C--Graycalm Sand, 6 To 12 Percent Slopes

Component Description

Graycalm and similar soils
 Extent: 100 percent of the unit
 Slope range: 6 to 12 percent
 Surface layer texture: Sand
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Somewhat excessively drained
 Flooding: None
 Ponding: None
 Available water capacity to a depth of 60 inches: 4.4 inches
 Content of organic matter in the upper 10 inches: 0.6 percent
 Typical profile:
 H1--0 to 3 inches; sand
 H2--3 to 22 inches;
 H3--22 to 60 inches;
 H4--60 to 70 inches;

133A--Dalbo Silt Loam, 0 To 2 Percent Slopes

Component Description

Dalbo and similar soils
 Extent: 100 percent of the unit
 Slope range: 0 to 2 percent
 Surface layer texture: Silt loam
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Moderately well drained
 Flooding: None
 Wet soil moisture status is highest (depth, months):
 3.7 feet January February March April May
 November December
 Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet June July August September
 October
 Ponding: None
 Available water capacity to a depth of 60 inches: 8.9 inches
 Content of organic matter in the upper 10 inches: 2.3 percent
 Typical profile:
 H1--0 to 6 inches; silt loam
 H2--6 to 35 inches;
 H3--35 to 60 inches;

133B--Dalbo Silt Loam, 2 To 6 Percent Slopes

Component Description

Dalbo and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
 3.7 feet January February March April May
 November December
Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet June July August September
 October
Ponding: None
Available water capacity to a depth of 60 inches: 8.9 inches
Content of organic matter in the upper 10 inches: 2.3 percent
Typical profile:
 H1--0 to 6 inches; silt loam
 H2--6 to 35 inches;
 H3--35 to 60 inches;

133BC--Dalbo Silt Loam, 2 To 12 Percent Slopes

Component Description

Dalbo and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 12 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
 3.7 feet January February March April May
 November December
Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet June July August September
 October
Ponding: None
Available water capacity to a depth of 60 inches: 8.9 inches
Content of organic matter in the upper 10 inches: 2.3 percent
Typical profile:
 H1--0 to 6 inches; silt loam
 H2--6 to 35 inches;
 H3--35 to 60 inches;

133C--Dalbo Silt Loam, 6 To 12 Percent Slopes

Component Description

Dalbo and similar soils

Extent: 100 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
 Very deep (more than 60 inches)

Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
3.7 feet January February March April May
November December
Wet soil moisture status is lowest (depth, months):
More than 6.0 feet June July August September
October
Ponding: None
Available water capacity to a depth of 60 inches: 8.9 inches
Content of organic matter in the upper 10 inches: 2.3 percent
Typical profile:
H1--0 to 6 inches; silt loam
H2--6 to 35 inches;
H3--35 to 60 inches;

152B--Milaca Fine Sandy Loam, 2 To 6 Percent Slopes

Component Description

Milaca and similar soils
Extent: 100 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
4.0 feet April May
Wet soil moisture status is lowest (depth, months):
More than 6.0 feet January February March June July
August September October
November December
Ponding: None
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:
H1--0 to 6 inches; fine sandy loam
H2--6 to 12 inches;
H3--12 to 20 inches;
H4--20 to 33 inches;
H5--33 to 60 inches;

152BC--Milaca Fine Sandy Loam, 2 To 12 Percent Slopes

Component Description

Milaca and similar soils
Extent: 100 percent of the unit
Slope range: 2 to 12 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:

H1--0 to 6 inches; fine sandy loam
H2--6 to 12 inches;
H3--12 to 20 inches;
H4--20 to 33 inches;
H5--33 to 60 inches;

152C--Milaca Fine Sandy Loam, 6 To 12 Percent Slopes

Component Description

Milaca and similar soils

Extent: 100 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:

H1--0 to 6 inches; fine sandy loam
H2--6 to 12 inches;
H3--12 to 20 inches;
H4--20 to 33 inches;
H5--33 to 60 inches;

152D--Milaca Fine Sandy Loam, 12 To 18 Percent Slopes

Component Description

Milaca and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 18 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:

H1--0 to 6 inches; fine sandy loam
H2--6 to 12 inches;
H3--12 to 20 inches;
H4--20 to 33 inches;
H5--33 to 60 inches;

152DE--Milaca Fine Sandy Loam, 12 To 25 Percent Slopes

Component Description

Milaca and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 25 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:

Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:
H1--0 to 6 inches; fine sandy loam
H2--6 to 12 inches;
H3--12 to 20 inches;
H4--20 to 33 inches;
H5--33 to 60 inches;

152E--Milaca Fine Sandy Loam, 18 To 25 Percent Slopes

Component Description

Milaca and similar soils
Extent: 100 percent of the unit
Slope range: 18 to 25 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:
H1--0 to 6 inches; fine sandy loam
H2--6 to 12 inches;
H3--12 to 20 inches;
H4--20 to 33 inches;
H5--33 to 60 inches;

152F--Milaca Fine Sandy Loam, 25 To 40 Percent Slopes

Component Description

Milaca and similar soils
Extent: 100 percent of the unit
Slope range: 25 to 40 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.3 inches
Content of organic matter in the upper 10 inches: 0.6 percent
Typical profile:
H1--0 to 6 inches; fine sandy loam
H2--6 to 12 inches;
H3--12 to 20 inches;
H4--20 to 33 inches;
H5--33 to 60 inches;

153B--Santiago Silt Loam, 2 To 6 Percent Slopes

Component Description

Santiago and similar soils

Extent: 100 percent of the unit
Slope range: 3 to 6 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 9.6 inches
Content of organic matter in the upper 10 inches: 1.0 percent
Typical profile:
H1--0 to 3 inches; silt loam
H2--3 to 11 inches;
H3--11 to 21 inches;
H4--21 to 32 inches;
H5--32 to 60 inches;

153C--Santiago Silt Loam, 6 To 12 Percent Slopes

Component Description

Santiago and similar soils

Extent: 100 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 9.6 inches
Content of organic matter in the upper 10 inches: 1.0 percent
Typical profile:
H1--0 to 3 inches; silt loam
H2--3 to 11 inches;
H3--11 to 21 inches;
H4--21 to 32 inches;
H5--32 to 60 inches;

153D--Santiago Silt Loam, 12 To 18 Percent Slopes

Component Description

Santiago and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 25 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 9.6 inches
Content of organic matter in the upper 10 inches: 1.0 percent
Typical profile:
H1--0 to 3 inches; silt loam
H2--3 to 11 inches;

H3--11 to 21 inches;
H4--21 to 32 inches;
H5--32 to 60 inches;

155A--Chetek Sandy Loam, 0 To 2 Percent Slopes

Component Description

Chetek and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.7 inches
Content of organic matter in the upper 10 inches: 2.0 percent
Typical profile:
 H1--0 to 10 inches; sandy loam
 H2--10 to 16 inches;
 H3--16 to 20 inches;
 H4--20 to 60 inches;

155B--Chetek Sandy Loam, 2 To 6 Percent Slopes

Component Description

Chetek and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.7 inches
Content of organic matter in the upper 10 inches: 2.0 percent
Typical profile:
 H1--0 to 10 inches; sandy loam
 H2--10 to 16 inches;
 H3--16 to 20 inches;
 H4--20 to 60 inches;

155BC--Chetek Sandy Loam, 2 To 12 Percent Slopes

Component Description

Chetek and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 12 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None

Available water capacity to a depth of 60 inches: 3.7 inches
Content of organic matter in the upper 10 inches: 2.0 percent
Typical profile:

H1--0 to 10 inches; sandy loam
H2--10 to 16 inches;
H3--16 to 20 inches;
H4--20 to 60 inches;

155C--Chetek Sandy Loam, 6 To 12 Percent Slopes

Component Description

Chetek and similar soils

Extent: 100 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.7 inches
Content of organic matter in the upper 10 inches: 2.0 percent
Typical profile:
H1--0 to 10 inches; sandy loam
H2--10 to 16 inches;
H3--16 to 20 inches;
H4--20 to 60 inches;

155D--Chetek Sandy Loam, 12 To 18 Percent Slopes

Component Description

Chetek and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 18 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.7 inches
Content of organic matter in the upper 10 inches: 2.0 percent
Typical profile:
H1--0 to 10 inches; sandy loam
H2--10 to 16 inches;
H3--16 to 20 inches;
H4--20 to 60 inches;

155DE--Chetek Sandy Loam, 12 To 25 Percent Slopes

Component Description

Chetek and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 25 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:

Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.7 inches
Content of organic matter in the upper 10 inches: 2.0 percent
Typical profile:
H1--0 to 10 inches; sandy loam
H2--10 to 16 inches;
H3--16 to 20 inches;
H4--20 to 60 inches;

155E--Chetek Sandy Loam, 18 To 25 Percent Slopes

Component Description

Chetek and similar soils

Extent: 100 percent of the unit
Slope range: 18 to 25 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.7 inches
Content of organic matter in the upper 10 inches: 2.0 percent
Typical profile:
H1--0 to 10 inches; sandy loam
H2--10 to 16 inches;
H3--16 to 20 inches;
H4--20 to 60 inches;

158A--Zimmerman Loamy Fine Sand, 0 To 2 Percent Slopes

Component Description

Zimmerman and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 5.1 inches
Content of organic matter in the upper 10 inches: 0.8 percent
Typical profile:
H1--0 to 10 inches; loamy fine sand
H2--10 to 60 inches;

158B--Zimmerman Loamy Fine Sand, 2 To 6 Percent Slopes

Component Description

Zimmerman and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 6 percent

Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 5.1 inches
Content of organic matter in the upper 10 inches: 0.8 percent
Typical profile:
H1--0 to 10 inches; loamy fine sand
H2--10 to 60 inches;

158C--Zimmerman Loamy Fine Sand, 6 To 12 Percent Slopes

Component Description

Zimmerman and similar soils
Extent: 100 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 5.1 inches
Content of organic matter in the upper 10 inches: 0.8 percent
Typical profile:
H1--0 to 10 inches; loamy fine sand
H2--10 to 60 inches;

158D--Zimmerman Loamy Fine Sand, 18 To 25 Percent Slopes

Component Description

Zimmerman and similar soils
Extent: 100 percent of the unit
Slope range: 18 to 25 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 5.1 inches
Content of organic matter in the upper 10 inches: 0.8 percent
Typical profile:
H1--0 to 10 inches; loamy fine sand
H2--10 to 60 inches;

161--Isanti Loamy Fine Sand

Component Description

Isanti and similar soils
Extent: 100 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 1 percent

December

Ponding: None

Available water capacity to a depth of 60 inches: 5.4 inches

Content of organic matter in the upper 10 inches: 0.8 percent

Typical profile:

- H1--0 to 4 inches; loam
- H2--4 to 12 inches;
- H3--12 to 24 inches;
- H4--24 to 48 inches;
- H5--48 to 60 inches;

164B--Mora Loam, 2 To 6 Percent Slopes

Component Description

Mora and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Flooding: None

Wet soil moisture status is highest (depth, months):

2.8 feet March April May June

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet January February July August
September October November
December

Ponding: None

Available water capacity to a depth of 60 inches: 5.4 inches

Content of organic matter in the upper 10 inches: 0.8 percent

Typical profile:

- H1--0 to 4 inches; loam
- H2--4 to 12 inches;
- H3--12 to 24 inches;
- H4--24 to 48 inches;
- H5--48 to 60 inches;

165--Parent Loam

Component Description

Parent and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Drainageway

Slope range: 0 to 1 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

0.5 foot March April May June July

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet January February August
September October November
December

Ponding: None

Available water capacity to a depth of 60 inches: 5.5 inches
Content of organic matter in the upper 10 inches: 4.7 percent
Typical profile:

H1--0 to 7 inches; loam
H2--7 to 28 inches;
H3--28 to 40 inches;
H4--40 to 60 inches;

166--Ronneby Loam

Component Description

Ronneby and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

1.5 feet (transitory) January February March April May
June October November December

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet July August September

Ponding: None

Available water capacity to a depth of 60 inches: 6.5 inches

Content of organic matter in the upper 10 inches: 3.0 percent

Typical profile:

H1--0 to 4 inches; loam
H2--4 to 12 inches;
H3--12 to 33 inches;
H4--33 to 45 inches;
H5--45 to 60 inches;

169A--Braham Loamy Fine Sand, 0 To 2 Percent Slopes

Component Description

Braham and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Loamy fine sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.4 inches

Content of organic matter in the upper 10 inches: 1.1 percent

Typical profile:

H1--0 to 8 inches; loamy fine sand
H2--8 to 24 inches;
H3--24 to 42 inches;
H4--42 to 60 inches;

169B--Braham Loamy Fine Sand, 2 To 6 Percent Slopes

Component Description

Braham and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Loamy fine sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.4 inches

Content of organic matter in the upper 10 inches: 1.1 percent

Typical profile:

H1--0 to 8 inches; loamy fine sand

H2--8 to 24 inches;

H3--24 to 42 inches;

H4--42 to 60 inches;

169BC--Braham Loamy Fine Sand, 2 To 12 Percent Slopes

Component Description

Braham and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 12 percent

Surface layer texture: Loamy fine sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.4 inches

Content of organic matter in the upper 10 inches: 1.1 percent

Typical profile:

H1--0 to 8 inches; loamy fine sand

H2--8 to 24 inches;

H3--24 to 42 inches;

H4--42 to 60 inches;

169C--Braham Loamy Fine Sand, 6 To 12 Percent Slopes

Component Description

Braham and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Loamy fine sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 8.4 inches

Content of organic matter in the upper 10 inches: 1.1 percent

Typical profile:

H1--0 to 8 inches; loamy fine sand

H2--8 to 24 inches;

H3--24 to 42 inches;

H4--42 to 60 inches;

169D--Braham Loamy Fine Sand, 12 To 18 Percent Slopes

Component Description

Braham and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 18 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 8.4 inches
Content of organic matter in the upper 10 inches: 1.1 percent
Typical profile:
H1--0 to 8 inches; loamy fine sand
H2--8 to 24 inches;
H3--24 to 42 inches;
H4--42 to 60 inches;

170--Blomford Loamy Fine Sand

Component Description

Blomford and similar soils

Extent: 100 percent of the unit
Geomorphic description:
Flat
Slope range: 0 to 2 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.0 feet April May June
Wet soil moisture status is lowest (depth, months):
More than 6.0 feet January February March July
August September October
November December
Ponding: None
Available water capacity to a depth of 60 inches: 6.8 inches
Content of organic matter in the upper 10 inches: 2.4 percent
Typical profile:
H1--0 to 9 inches; loamy fine sand
H2--9 to 25 inches;
H3--25 to 39 inches;
H4--39 to 60 inches;

182--Halder Loam

Component Description

Halder and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 3 percent
Surface layer texture: Loam
Depth to restrictive feature:

Very deep (more than 60 inches)
 Drainage class: Somewhat poorly drained
 Flooding: None
 Wet soil moisture status is highest (depth, months):
 1.7 feet January February March April May
 November December
 Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet June July August September
 October
 Ponding: None
 Available water capacity to a depth of 60 inches: 7.0 inches
 Content of organic matter in the upper 10 inches: 3.0 percent
 Typical profile:
 H1--0 to 10 inches; loam
 H2--10 to 31 inches;
 H3--31 to 35 inches;
 H4--35 to 60 inches;

186--Nemadji Loamy Fine Sand

Component Description

Nemadji and similar soils
 Extent: 100 percent of the unit
 Slope range: 0 to 3 percent
 Surface layer texture: Loamy fine sand
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Somewhat poorly drained
 Flooding: None
 Wet soil moisture status is highest (depth, months):
 2.3 feet March April May June
 Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet January February July August
 September October November
 December
 Ponding: None
 Available water capacity to a depth of 60 inches: 4.5 inches
 Content of organic matter in the upper 10 inches: 1.3 percent
 Typical profile:
 H1--0 to 5 inches; loamy fine sand
 H2--5 to 33 inches;
 H3--33 to 60 inches;

188A--Omega Loamy Fine Sand, 0 To 2 Percent Slopes

Component Description

Omega and similar soils
 Extent: 100 percent of the unit
 Slope range: 0 to 2 percent
 Surface layer texture: Loamy fine sand
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Somewhat excessively drained
 Flooding: None
 Ponding: None
 Available water capacity to a depth of 60 inches: 4.2 inches
 Content of organic matter in the upper 10 inches: 1.2 percent
 Typical profile:

H1--0 to 12 inches; loamy fine sand
H2--12 to 60 inches;

188B--Omega Loamy Fine Sand, 2 To 6 Percent Slopes

Component Description

Omega and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.2 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
H1--0 to 12 inches; loamy fine sand
H2--12 to 60 inches;

188BC--Omega Loamy Fine Sand, 2 To 12 Percent Slopes

Component Description

Omega and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 12 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.2 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
H1--0 to 12 inches; loamy fine sand
H2--12 to 60 inches;

188C--Omega Loamy Fine Sand, 6 To 12 Percent Slopes

Component Description

Omega and similar soils

Extent: 100 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.2 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
H1--0 to 12 inches; loamy fine sand
H2--12 to 60 inches;

188D--Omega Loamy Fine Sand, 12 To 18 Percent Slopes

Component Description

Omega and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 18 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.2 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
H1--0 to 12 inches; loamy fine sand
H2--12 to 60 inches;

188DE--Omega Loamy Fine Sand, 12 To 25 Percent Slopes

Component Description

Omega and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 25 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.2 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
H1--0 to 12 inches; loamy fine sand
H2--12 to 60 inches;

188E--Omega Loamy Fine Sand, 18 To 25 Percent Slopes

Component Description

Omega and similar soils

Extent: 100 percent of the unit
Slope range: 18 to 25 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.2 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
H1--0 to 12 inches; loamy fine sand
H2--12 to 60 inches;

188F--Omega Loamy Fine Sand, 25 To 40 Percent Slopes

Component Description

Omega and similar soils

Extent: 100 percent of the unit
Slope range: 25 to 40 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.2 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
 H1--0 to 12 inches; loamy fine sand
 H2--12 to 60 inches;

202--Meehan Loamy Sand

Component Description

Meehan and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 1 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Somewhat poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
 1.7 feet January February March April May
 June October November December
Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet July August September
Ponding: None
Available water capacity to a depth of 60 inches: 4.2 inches
Content of organic matter in the upper 10 inches: 0.8 percent
Typical profile:
 H1--0 to 4 inches; loamy sand
 H2--4 to 29 inches;
 H3--29 to 60 inches;

204B--Cushing Loam, 2 To 6 Percent Slopes

Component Description

Cushing and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
 3.0 feet January February March April May
 October November December
Wet soil moisture status is lowest (depth, months):

More than 6.0 feet June July August September
Ponding: None
Available water capacity to a depth of 60 inches: 8.8 inches
Content of organic matter in the upper 10 inches: 1.9 percent
Typical profile:
H1--0 to 9 inches; loam
H2--9 to 14 inches;
H3--14 to 36 inches;
H4--36 to 55 inches;
H5--55 to 80 inches;

204C--Cushing Loam, 6 To 12 Percent Slopes

Component Description

Cushing and similar soils
Extent: 100 percent of the unit
Slope range: 0 to 12 percent
Surface layer texture: Loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 9.3 inches
Content of organic matter in the upper 10 inches: 1.9 percent
Typical profile:
H1--0 to 9 inches; loam
H2--9 to 16 inches;
H3--16 to 42 inches;
H4--42 to 60 inches;

204D--Cushing Loam, 12 To 18 Percent Slopes

Component Description

Cushing and similar soils
Extent: 100 percent of the unit
Slope range: 12 to 18 percent
Surface layer texture: Loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 9.3 inches
Content of organic matter in the upper 10 inches: 1.9 percent
Typical profile:
H1--0 to 9 inches; loam
H2--9 to 16 inches;
H3--16 to 42 inches;
H4--42 to 60 inches;

217--Nokasippi Loamy Fine Sand

Component Description

Nokasippi and similar soils
Extent: 100 percent of the unit

Geomorphic description:

Depression
Slope range: 0 to 1 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status: At the surface all year
Ponding: At 0.5 foot all year
Available water capacity to a depth of 60 inches: 5.1 inches
Content of organic matter in the upper 10 inches: 5.5 percent
Typical profile:
H1--0 to 14 inches; loamy fine sand
H2--14 to 25 inches;
H3--25 to 38 inches;
H4--38 to 48 inches;
H5--48 to 60 inches;

218--Watab Loamy Fine Sand

Component Description

Watab and similar soils

Extent: 100 percent of the unit
Geomorphic description:
Drainageway
Slope range: 0 to 2 percent
Surface layer texture: Loamy fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
0.5 foot March April May June
Wet soil moisture status is lowest (depth, months):
More than 6.0 feet January February July August
September October November
December
Ponding: None
Available water capacity to a depth of 60 inches: 4.4 inches
Content of organic matter in the upper 10 inches: 1.1 percent
Typical profile:
H1--0 to 8 inches; loamy fine sand
H2--8 to 30 inches;
H3--30 to 39 inches;
H4--39 to 51 inches;
H5--51 to 60 inches;

264A--Freeon Silt Loam, 0 To 2 Percent Slopes

Component Description

Freeon and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Moderately well drained

Flooding: None

Wet soil moisture status is highest (depth, months):

2.8 feet	January	February	March	April	May
	November	December			

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet	June	July	August	September	October
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Ponding: None

Available water capacity to a depth of 60 inches: 9.2 inches

Content of organic matter in the upper 10 inches: 1.6 percent

Typical profile:

H1--0 to 7 inches; silt loam
H2--7 to 19 inches;
H3--19 to 39 inches;
H4--39 to 85 inches;
H5--85 to 99 inches;

264B--Freeon Silt Loam, 2 To 6 Percent Slopes

Component Description

Freeon and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Flooding: None

Wet soil moisture status is highest (depth, months):

2.8 feet	January	February	March	April	May
	November	December			

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet	June	July	August	September	October
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Ponding: None

Available water capacity to a depth of 60 inches: 9.2 inches

Content of organic matter in the upper 10 inches: 1.6 percent

Typical profile:

H1--0 to 7 inches; silt loam
H2--7 to 19 inches;
H3--19 to 39 inches;
H4--39 to 85 inches;
H5--85 to 99 inches;

266--Freer Silt Loam

Component Description

Freer and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 1 percent

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

1.5 feet	January	February	March	April	May
	June	November	December		

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet July August September October
Ponding: None
Available water capacity to a depth of 60 inches: 7.1 inches
Content of organic matter in the upper 10 inches: 1.0 percent
Typical profile:
H1--0 to 7 inches;
H2--7 to 13 inches;
H3--13 to 24 inches;
H4--24 to 32 inches;
H5--32 to 42 inches;
H6--42 to 60 inches;

274--Newson Loamy Sand

Component Description

Newson and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Depression

Slope range: 0 to 1 percent

Surface layer texture: Loamy sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface

January February March April May

June October November December

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet

July August September

Ponding: At 0.5 foot all year

Available water capacity to a depth of 60 inches: 5.0 inches

Content of organic matter in the upper 10 inches: 5.3 percent

Typical profile:

H1--0 to 7 inches; loamy sand

H2--7 to 23 inches;

H3--23 to 60 inches;

302A--Rosholt Sandy Loam, 0 To 2 Percent Slopes

Component Description

Rosholt and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.4 inches

Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

H1--0 to 8 inches; sandy loam

H2--8 to 13 inches;

H3--13 to 28 inches;

H4--28 to 34 inches;

H5--34 to 60 inches;

302B--Rosholt Sandy Loam, 2 To 6 Percent Slopes

Component Description

Rosholt and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.4 inches

Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

H1--0 to 8 inches; sandy loam

H2--8 to 13 inches;

H3--13 to 28 inches;

H4--28 to 34 inches;

H5--34 to 60 inches;

302BC--Rosholt Sandy Loam, 2 To 12 Percent Slopes

Component Description

Rosholt and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 12 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.4 inches

Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

H1--0 to 8 inches; sandy loam

H2--8 to 13 inches;

H3--13 to 28 inches;

H4--28 to 34 inches;

H5--34 to 60 inches;

302C--Rosholt Sandy Loam, 6 To 12 Percent Slopes

Component Description

Rosholt and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.4 inches

Content of organic matter in the upper 10 inches: 1.7 percent

Typical profile:

H1--0 to 8 inches; sandy loam
H2--8 to 13 inches;
H3--13 to 28 inches;
H4--28 to 34 inches;
H5--34 to 60 inches;

302D--Rosholt Sandy Loam, 12 To 18 Percent Slopes

Component Description

Rosholt and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 18 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 5.4 inches
Content of organic matter in the upper 10 inches: 1.7 percent
Typical profile:
H1--0 to 8 inches; sandy loam
H2--8 to 13 inches;
H3--13 to 28 inches;
H4--28 to 34 inches;
H5--34 to 60 inches;

325--Prebish Fine Sandy Loam

Component Description

Prebish and similar soils

Extent: 100 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 1 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status: At the surface all year
Ponding: At 0.5 foot all year
Available water capacity to a depth of 60 inches: 7.5 inches
Content of organic matter in the upper 10 inches: 6.0 percent
Typical profile:
H1--0 to 16 inches; fine sandy loam
H2--16 to 46 inches;
H3--46 to 60 inches;

326--Hillet Loam

Component Description

Hillet and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Flat
Slope range: 0 to 1 percent
Surface layer texture: Loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
1.5 feet April May June July
Wet soil moisture status is lowest (depth, months):
More than 6.0 feet January February March August
September October November
December
Ponding: None
Available water capacity to a depth of 60 inches: 7.0 inches
Content of organic matter in the upper 10 inches: 5.0 percent
Typical profile:
H1--0 to 13 inches; loam
H2--13 to 30 inches;
H3--30 to 60 inches;

328A--Sartell Fine Sand, 0 To 2 Percent Slopes

Component Description

Sartell and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.6 inches
Content of organic matter in the upper 10 inches: 0.7 percent
Typical profile:
H1--0 to 4 inches; fine sand
H2--4 to 33 inches;
H3--33 to 80 inches;

328B--Sartell Fine Sand, 2 To 6 Percent Slopes

Component Description

Sartell and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Fine sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.6 inches
Content of organic matter in the upper 10 inches: 0.7 percent
Typical profile:
H1--0 to 4 inches; fine sand
H2--4 to 33 inches;

H3--33 to 80 inches;

328C--Sartell Fine Sand, 6 To 12 Percent Slopes

Component Description

Sartell and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Fine sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.6 inches

Content of organic matter in the upper 10 inches: 0.7 percent

Typical profile:

H1--0 to 4 inches; fine sand

H2--4 to 33 inches;

H3--33 to 80 inches;

328D--Sartell Fine Sand, 12 To 18 Percent Slopes

Component Description

Sartell and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Fine sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.6 inches

Content of organic matter in the upper 10 inches: 0.7 percent

Typical profile:

H1--0 to 4 inches; fine sand

H2--4 to 33 inches;

H3--33 to 80 inches;

328E--Sartell Fine Sand, 18 To 25 Percent Slopes

Component Description

Sartell and similar soils

Extent: 100 percent of the unit

Slope range: 18 to 25 percent

Surface layer texture: Fine sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.6 inches

Content of organic matter in the upper 10 inches: 0.7 percent

Typical profile:

H1--0 to 4 inches; fine sand

Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.2 inches
Content of organic matter in the upper 10 inches: 0.5 percent
Typical profile:
H1--0 to 5 inches; loamy sand
H2--5 to 8 inches;
H3--8 to 30 inches;
H4--30 to 60 inches;

454F--Mahtomedi Loamy Sand, 25 To 40 Percent Slopes

Component Description

Mahtomedi and similar soils

Extent: 100 percent of the unit
Slope range: 25 to 40 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 4.2 inches
Content of organic matter in the upper 10 inches: 0.5 percent
Typical profile:
H1--0 to 5 inches; loamy sand
H2--5 to 8 inches;
H3--8 to 30 inches;
H4--30 to 60 inches;

458A--Menahga Loamy Coarse Sand, 0 To 2 Percent Slopes

Component Description

Menahga and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Loamy coarse sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.8 inches
Content of organic matter in the upper 10 inches: 0.9 percent
Typical profile:
H1--0 to 4 inches; loamy coarse sand
H2--4 to 24 inches;
H3--24 to 60 inches;

458B--Menahga Loamy Coarse Sand, 2 To 6 Percent Slopes

Component Description

Menahga and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Loamy coarse sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.8 inches

Content of organic matter in the upper 10 inches: 0.9 percent

Typical profile:

H1--0 to 4 inches; loamy coarse sand

H2--4 to 24 inches;

H3--24 to 60 inches;

458BC--Menahga Loamy Coarse Sand, 2 To 12 Percent Slopes

Component Description

Menahga and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 12 percent

Surface layer texture: Loamy coarse sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.8 inches

Content of organic matter in the upper 10 inches: 0.9 percent

Typical profile:

H1--0 to 4 inches; loamy coarse sand

H2--4 to 24 inches;

H3--24 to 60 inches;

458C--Menahga Loamy Coarse Sand, 6 To 12 Percent Slopes

Component Description

Menahga and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Loamy coarse sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.8 inches

Content of organic matter in the upper 10 inches: 0.9 percent

Typical profile:

H1--0 to 4 inches; loamy coarse sand

H2--4 to 24 inches;

H3--24 to 60 inches;

458D--Menahga Loamy Coarse Sand, 12 To 18 Percent Slopes

Component Description

Menahga and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Loamy coarse sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.8 inches

Content of organic matter in the upper 10 inches: 0.9 percent

Typical profile:

H1--0 to 4 inches; loamy coarse sand

H2--4 to 24 inches;

H3--24 to 60 inches;

458DE--Menahga Loamy Coarse Sand, 12 To 25 Percent Slopes

Component Description

Menahga and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 25 percent

Surface layer texture: Loamy coarse sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.8 inches

Content of organic matter in the upper 10 inches: 0.9 percent

Typical profile:

H1--0 to 4 inches; loamy coarse sand

H2--4 to 24 inches;

H3--24 to 60 inches;

458E--Menahga Loamy Coarse Sand, 18 To 25 Percent Slopes

Component Description

Menahga and similar soils

Extent: 100 percent of the unit

Slope range: 18 to 25 percent

Surface layer texture: Loamy coarse sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.8 inches

Content of organic matter in the upper 10 inches: 0.9 percent

Typical profile:

H1--0 to 4 inches; loamy coarse sand

H2--4 to 24 inches;

H3--24 to 60 inches;

458F--Menahga Loamy Coarse Sand, 25 To 40 Percent Slopes

Component Description

Menahga and similar soils

Extent: 100 percent of the unit
Slope range: 25 to 40 percent
Surface layer texture: Loamy coarse sand
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.8 inches
Content of organic matter in the upper 10 inches: 0.9 percent
Typical profile:
 H1--0 to 4 inches; loamy coarse sand
 H2--4 to 24 inches;
 H3--24 to 60 inches;

466--Ogilvie Silt Loam

Component Description

Ogilvie and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Somewhat poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
 2.3 feet April May June
Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet January February March July
 August September October
 November December
Ponding: None
Available water capacity to a depth of 60 inches: 7.3 inches
Content of organic matter in the upper 10 inches: 2.3 percent
Typical profile:
 H1--0 to 8 inches; silt loam
 H2--8 to 18 inches;
 H3--18 to 31 inches;
 H4--31 to 60 inches;

481--Kratka Fine Sandy Loam

Component Description

Kratka and similar soils

Extent: 100 percent of the unit
Geomorphic description:
 Flat
Slope range: 0 to 1 percent
Surface layer texture: Fine sandy loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):

1.0 feet April May June July
Wet soil moisture status is lowest (depth, months):
More than 6.0 feet January February March August
September October November
December

Ponding: None
Available water capacity to a depth of 60 inches: 8.2 inches
Content of organic matter in the upper 10 inches: 3.5 percent
Typical profile:
H1--0 to 11 inches; fine sandy loam
H2--11 to 25 inches;
H3--25 to 60 inches;

531--Beseman Muck

Component Description

Beseman and similar soils
Extent: 100 percent of the unit
Geomorphic description:
Bog
Slope range: 0 to 1 percent
Surface layer texture: Muck
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status: At the surface all year
Ponding: At 1.0 foot all year
Available water capacity to a depth of 60 inches: 25.1 inches
Content of organic matter in the upper 10 inches: 59.6 percent
Typical profile:
H1--0 to 8 inches; muck
H2--8 to 36 inches;
H3--36 to 60 inches;

536--Dawson Peat

Component Description

Dawson and similar soils
Extent: 100 percent of the unit
Geomorphic description:
Bog
Slope range: 0 to 1 percent
Surface layer texture: Peat
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface January February March April May
June September October November
December
Wet soil moisture status is lowest (depth, months):
More than 6.0 feet July August
Ponding: At 0.5 foot all year
Available water capacity to a depth of 60 inches: 18.5 inches
Content of organic matter in the upper 10 inches: 75.0 percent
Typical profile:

H1--0 to 8 inches; peat
H2--8 to 38 inches;
H3--38 to 40 inches;
H4--40 to 60 inches;

540--Seelyeville Muck

Component Description

Seelyeville and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Bog

Slope range: 0 to 1 percent

Surface layer texture: Muck

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface	January	February	March	April	May
	June	October	November	December	

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet	July	August	September
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Ponding: At 0.5 foot all year

Available water capacity to a depth of 60 inches: 23.9 inches

Content of organic matter in the upper 10 inches: 62.0 percent

Typical profile:

H1--0 to 10 inches; muck

H2--10 to 60 inches;

541--Rifle Mucky Peat

Component Description

Rifle and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Bog

Slope range: 0 to 1 percent

Surface layer texture: Mucky peat

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface	January	February	March	April	May
	June	November	December		

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet	July	August	September	October
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Ponding: At 0.5 foot all year

Available water capacity to a depth of 60 inches: 31.7 inches

Content of organic matter in the upper 10 inches: 72.0 percent

Typical profile:

H1--0 to 4 inches; mucky peat

H2--4 to 60 inches;

543--Markey Muck

Component Description

Markey and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Bog

Slope range: 0 to 1 percent

Surface layer texture: Muck

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface	January	February	March	April	May
	June	November	December		

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet	July	August	September	October
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Ponding: At 0.5 foot all year

Available water capacity to a depth of 60 inches: 14.4 inches

Content of organic matter in the upper 10 inches: 70.0 percent

Typical profile:

H1--0 to 32 inches; muck

H2--32 to 60 inches;

544--Cathro Muck

Component Description

Cathro and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Bog

Slope range: 0 to 1 percent

Surface layer texture: Muck

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

At the surface	January	February	March	April	May
	October	November	December		

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet	June	July	August	September
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Ponding: At 0.5 foot all year

Available water capacity to a depth of 60 inches: 15.4 inches

Content of organic matter in the upper 10 inches: 72.5 percent

Typical profile:

H1--0 to 11 inches; muck

H2--11 to 23 inches;

H3--23 to 60 inches;

565--Eckvoll Loamy Sand, 0 To 3 Percent Slopes

Component Description

Eckvoll and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 3 percent

Surface layer texture: Loamy sand

Depth to restrictive feature:

Very deep (more than 60 inches)
 Drainage class: Moderately well drained
 Flooding: None
 Wet soil moisture status is highest (depth, months):
 3.0 feet March April May June
 Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet January February July August
 September October November
 December

Ponding: None
 Available water capacity to a depth of 60 inches: 8.3 inches
 Content of organic matter in the upper 10 inches: 1.9 percent
 Typical profile:
 H1--0 to 9 inches; loamy sand
 H2--9 to 25 inches;
 H3--25 to 32 inches;
 H4--32 to 60 inches;

682B--Milaca Fine Sandy Loam, 2 To 6 Percent Slopes, Very Stony

Component Description

Milaca and similar soils
 Extent: 100 percent of the unit
 Slope range: 2 to 6 percent
 Surface layer texture: Stony fine sandy loam
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Well drained
 Flooding: None
 Ponding: None
 Available water capacity to a depth of 60 inches: 4.0 inches
 Content of organic matter in the upper 10 inches: 0.6 percent
 Typical profile:
 H1--0 to 6 inches; stony fine sandy loam
 H2--6 to 12 inches;
 H3--12 to 20 inches;
 H4--20 to 33 inches;
 H5--33 to 60 inches;

682C--Milaca Fine Sandy Loam, 6 To 12 Percent Slopes, Very Stony

Component Description

Milaca and similar soils
 Extent: 100 percent of the unit
 Slope range: 6 to 12 percent
 Surface layer texture: Stony fine sandy loam
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Well drained
 Flooding: None
 Ponding: None
 Available water capacity to a depth of 60 inches: 4.0 inches
 Content of organic matter in the upper 10 inches: 0.6 percent
 Typical profile:
 H1--0 to 6 inches; stony fine sandy loam
 H2--6 to 12 inches;
 H3--12 to 20 inches;
 H4--20 to 33 inches;

H5--33 to 60 inches;

682D--Milaca Fine Sandy Loam, 12 To 18 Percent Slopes, Very Stony

Component Description

Milaca and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Stony fine sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.0 inches

Content of organic matter in the upper 10 inches: 0.6 percent

Typical profile:

H1--0 to 6 inches; stony fine sandy loam

H2--6 to 12 inches;

H3--12 to 20 inches;

H4--20 to 33 inches;

H5--33 to 60 inches;

682E--Milaca Fine Sandy Loam, 18 To 25 Percent Slopes, Very Stony

Component Description

Milaca and similar soils

Extent: 100 percent of the unit

Slope range: 18 to 25 percent

Surface layer texture: Stony fine sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.0 inches

Content of organic matter in the upper 10 inches: 0.6 percent

Typical profile:

H1--0 to 6 inches; stony fine sandy loam

H2--6 to 12 inches;

H3--12 to 20 inches;

H4--20 to 33 inches;

H5--33 to 60 inches;

685--Oesterle Fine Sandy Loam

Component Description

Oesterle and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 1 percent

Surface layer texture: Fine sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Flooding: None

Wet soil moisture status is highest (depth, months):

2.0 feet January February March April May
 June October November December
Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet July August September
Ponding: None
Available water capacity to a depth of 60 inches: 5.1 inches
Content of organic matter in the upper 10 inches: 2.0 percent
Typical profile:
 H1--0 to 7 inches; fine sandy loam
 H2--7 to 11 inches;
 H3--11 to 31 inches;
 H4--31 to 60 inches;

732A--Bushville Fine Sand, 0 To 2 Percent Slopes

Component Description

Bushville and similar soils
 Extent: 100 percent of the unit
 Slope range: 0 to 2 percent
 Surface layer texture: Fine sand
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Somewhat poorly drained
 Flooding: None
 Wet soil moisture status is highest (depth, months):
 2.0 feet (transitory) March April May June
 Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet January February July August
 September October November
 December
 Ponding: None
 Available water capacity to a depth of 60 inches: 3.9 inches
 Content of organic matter in the upper 10 inches: 0.8 percent
 Typical profile:
 H1--0 to 10 inches; fine sand
 H2--10 to 24 inches;
 H3--24 to 30 inches;
 H4--30 to 42 inches;
 H5--42 to 80 inches;

872--Pengilly And Winterfield Soils

Component Description

Pengilly and similar soils
 Extent: 50 percent of the unit
 Geomorphic description:
 Flood plain
 Slope range: 0 to 1 percent
 Surface layer texture: Fine sandy loam
 Depth to restrictive feature:
 Very deep (more than 60 inches)
 Drainage class: Poorly drained
 Flooding does not occur (months):
 January February March November December
 Flooding is most likely (frequency, months):
 Frequent April May June July August
 September October
 Wet soil moisture status: At 1.0 foot all year

Ponding: None

Available water capacity to a depth of 60 inches: 9.7 inches

Content of organic matter in the upper 10 inches: 1.5 percent

Typical profile:

H1--0 to 4 inches; fine sandy loam

H2--4 to 60 inches;

Winterfield and similar soils

Extent: 50 percent of the unit

Slope range: 0 to 1 percent

Surface layer texture: Loamy sand

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Flooding does not occur (months):

June July August September October

Flooding is most likely (frequency, months):

Occasional January February March April May
November December

Wet soil moisture status is highest (depth, months):

1.7 feet January February March April May
November December

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet June July August September
October

Ponding: None

Available water capacity to a depth of 60 inches: 5.0 inches

Content of organic matter in the upper 10 inches: 2.2 percent

Typical profile:

H1--0 to 7 inches; loamy sand

H2--7 to 31 inches;

H3--31 to 60 inches;

949B--Milaca-Chetek Complex, 2 To 6 Percent Slopes

Component Description

Milaca and similar soils

Extent: 50 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Fine sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Flooding: None

Wet soil moisture status is highest (depth, months):

4.0 feet April May

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet January February March June July
August September October
November December

Ponding: None

Available water capacity to a depth of 60 inches: 4.3 inches

Content of organic matter in the upper 10 inches: 0.6 percent

Typical profile:

H1--0 to 6 inches; fine sandy loam

H2--6 to 12 inches;

H3--12 to 20 inches;

H4--20 to 33 inches;

H5--33 to 60 inches;

Chetek and similar soils

Extent: 40 percent of the unit

Slope range: 3 to 6 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.7 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 10 inches; sandy loam

H2--10 to 16 inches;

H3--16 to 20 inches;

H4--20 to 60 inches;

949C--Milaca-Chetek Complex, 6 To 12 Percent Slopes

Component Description

Milaca and similar soils

Extent: 50 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Fine sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.3 inches

Content of organic matter in the upper 10 inches: 0.6 percent

Typical profile:

H1--0 to 6 inches; fine sandy loam

H2--6 to 12 inches;

H3--12 to 20 inches;

H4--20 to 33 inches;

H5--33 to 60 inches;

Chetek and similar soils

Extent: 40 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.7 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 10 inches; sandy loam

H2--10 to 16 inches;

H3--16 to 20 inches;

H4--20 to 60 inches;

949D--Milaca-Chetek Complex, 12 To 18 Percent Slopes

Component Description

Milaca and similar soils

Extent: 50 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Fine sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.3 inches

Content of organic matter in the upper 10 inches: 0.6 percent

Typical profile:

H1--0 to 6 inches; fine sandy loam

H2--6 to 12 inches;

H3--12 to 20 inches;

H4--20 to 33 inches;

H5--33 to 60 inches;

Chetek and similar soils

Extent: 40 percent of the unit

Slope range: 12 to 18 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.7 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 10 inches; sandy loam

H2--10 to 16 inches;

H3--16 to 20 inches;

H4--20 to 60 inches;

949E--Milaca-Chetek Complex, 18 To 25 Percent Slopes

Component Description

Milaca and similar soils

Extent: 50 percent of the unit

Slope range: 18 to 25 percent

Surface layer texture: Fine sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.3 inches

Content of organic matter in the upper 10 inches: 0.6 percent

Typical profile:

H1--0 to 6 inches; fine sandy loam

H2--6 to 12 inches;

H3--12 to 20 inches;

H4--20 to 33 inches;

H5--33 to 60 inches;

Chetek and similar soils

Extent: 40 percent of the unit

Slope range: 18 to 25 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.7 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 10 inches; sandy loam

H2--10 to 16 inches;

H3--16 to 20 inches;

H4--20 to 60 inches;

949F--Milaca-Chetek Complex, 25 To 40 Percent Slopes

Component Description

Milaca and similar soils

Extent: 50 percent of the unit

Slope range: 25 to 40 percent

Surface layer texture: Fine sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.3 inches

Content of organic matter in the upper 10 inches: 0.6 percent

Typical profile:

H1--0 to 6 inches; fine sandy loam

H2--6 to 12 inches;

H3--12 to 20 inches;

H4--20 to 33 inches;

H5--33 to 60 inches;

Chetek and similar soils

Extent: 40 percent of the unit

Slope range: 25 to 40 percent

Surface layer texture: Sandy loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.7 inches

Content of organic matter in the upper 10 inches: 2.0 percent

Typical profile:

H1--0 to 10 inches; sandy loam

H2--10 to 16 inches;

H3--16 to 20 inches;

H4--20 to 60 inches;

990--Twig And Parent Soils

Component Description

Twig and similar soils

Extent: 50 percent of the unit

Geomorphic description:

Depression

Slope range: 0 to 1 percent
Surface layer texture: Muck
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
 At the surface January February March April May
 June July September October
 November December
Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet August
Ponding: At 0.5 foot all year
Available water capacity to a depth of 60 inches: 10.9 inches
Content of organic matter in the upper 10 inches: 37.5 percent
Typical profile:
 H1--0 to 12 inches; muck
 H2--12 to 20 inches;
 H3--20 to 26 inches;
 H4--26 to 48 inches;
 H5--48 to 72 inches;

Parent and similar soils

Extent: 40 percent of the unit
Geomorphic description:
 Flat
Slope range: 0 to 2 percent
Surface layer texture: Loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
 0.5 foot March April May June July
Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet January February August
 September October November
 December

Ponding: None
Available water capacity to a depth of 60 inches: 5.5 inches
Content of organic matter in the upper 10 inches: 4.7 percent
Typical profile:
 H1--0 to 7 inches; loam
 H2--7 to 28 inches;
 H3--28 to 40 inches;
 H4--40 to 60 inches;

995--Borosaprists Undifferentiated

Component Description

Borosaprists and similar soils
Extent: 100 percent of the unit
Geomorphic description:
 Depression
Depth to restrictive feature:
 Very deep (more than 60 inches)
Flooding: None
Ponding: None

1001--Alluvial Land, Occasionally Flooded

Component Description

Alluvial land and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Flooding is least likely (frequency, months):

Occasional January February March April May
 June July August September
 October November December

Flooding is most likely (frequency, months):

Occasional January February March April May
 June July August September
 October November December

Wet soil moisture status is highest (depth, months):

3.5 feet January February March April May
 November December

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet June July August September
 October

Ponding: None

Available water capacity to a depth of 60 inches: 9.6 inches

Typical profile:

H1--0 to 60 inches;

1002--Alluvial Land, Frequently Flooded

Component Description

Alluvial land and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Flat

Slope range: 0 to 2 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Very poorly drained

Flooding does not occur (months):

January February November December

Flooding is most likely (frequency, months):

Frequent March April May June July August
 September October

Wet soil moisture status is highest (depth, months):

At the surface April May June July August
 September October

Wet soil moisture status is lowest (depth, months):

More than 6.0 feet January February March November
 December

Ponding: At 0.5 foot all year

Available water capacity to a depth of 60 inches: 8.6 inches

Content of organic matter in the upper 10 inches: 6.5 percent

Typical profile:

H1--0 to 16 inches; silt loam

H2--16 to 80 inches;

1030--Udipsamments-Pits, Gravel Complex

Component Description

Udipsamments

Extent: 100 percent of the unit
Slope range: 0 to 10 percent
Surface layer texture: Loamy sand
Drainage class: Excessively drained
Flooding: None
Available water capacity to a depth of 60 inches: 4.8 inches
Typical profile:
H1--0 to 60 inches; loamy sand
H2--60 to 80 inches;

1033--Udipsamments, Lake Beaches, Sandy

Component Description

Udipsamments

Extent: 100 percent of the unit
Slope range: 0 to 10 percent
Surface layer texture: Sand
Drainage class: Excessively drained
Flooding: None
Available water capacity to a depth of 60 inches: 4.2 inches
Typical profile:
H1--0 to 60 inches; sand
H2--60 to 80 inches;

1943--Roscommon Loamy Sand

Component Description

Roscommon and similar soils

Extent: 100 percent of the unit
Geomorphic description:
Depression
Slope range: 0 to 2 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Poorly drained
Flooding: None
Wet soil moisture status is highest (depth, months):
At the surface January February March April May
 June September October November
 December
Wet soil moisture status is lowest (depth, months):
More than 6.0 feet July August
Ponding: At 0.5 foot all year
Available water capacity to a depth of 60 inches: 4.5 inches
Content of organic matter in the upper 10 inches: 3.8 percent
Typical profile:
H1--0 to 4 inches; loamy sand
H2--4 to 60 inches;

1977A--Mora Loam, 0 To 2 Percent Slopes, Very Stony

Component Description

Mora and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Stony loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
 2.5 feet March April May June
Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet January February July August
 September October November
 December
Ponding: None
Available water capacity to a depth of 60 inches: 5.4 inches
Content of organic matter in the upper 10 inches: 0.7 percent
Typical profile:
 H1--0 to 4 inches; stony loam
 H2--4 to 12 inches;
 H3--12 to 24 inches;
 H4--24 to 48 inches;
 H5--48 to 75 inches;

1977B--Mora Loam, 2 To 6 Percent Slopes, Very Stony

Component Description

Mora and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Stony loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Moderately well drained
Flooding: None
Wet soil moisture status is highest (depth, months):
 2.5 feet March April May June
Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet January February July August
 September October November
 December
Ponding: None
Available water capacity to a depth of 60 inches: 5.4 inches
Content of organic matter in the upper 10 inches: 0.7 percent
Typical profile:
 H1--0 to 4 inches; stony loam
 H2--4 to 12 inches;
 H3--12 to 24 inches;
 H4--24 to 48 inches;
 H5--48 to 75 inches;

1980--Ronneby Loam, Extremely Stony

Component Description

Ronneby and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 2 percent
Depth to restrictive feature:
 Very deep (more than 60 inches)
Flooding: None
Ponding: None
Typical profile:

H--

CW--Census Water

Component Description

Census water

Extent: 100 percent of the unit

USDA-NRCS, MN

10/27/2003