

Soil Descriptions - Non Technical

2A--Ostrander Silt Loam, 0 To 2 Percent Slopes

Component Description

Ostrander 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: 11.7 inches

Content of organic matter in the upper 10 inches: 4.0 percent

Typical profile:

H1--0 to 17 inches; silt loam
H2--17 to 38 inches; silt loam
H3--38 to 50 inches; loam
H4--50 to 60 inches; loam

2B--Ostrander Loam, 2 To 6 Percent Slopes

Component Description

Ostrander 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: 11.4 inches

Content of organic matter in the upper 10 inches: 4.0 percent

Typical profile:

H1--0 to 14 inches; loam
H2--14 to 18 inches; loam
H3--18 to 40 inches; loam
H4--40 to 60 inches; loam

11C--Sogn Loam, 4 To 12 Percent Slopes

Component Description

Sogn and similar soils

Extent: 100 percent of the unit
Slope range: 4 to 12 percent

Surface layer texture: Loam
Depth to restrictive feature:
 Bedrock (lithic): 4 to 20 inches
Drainage class: Somewhat excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 1.6 inches
Content of organic matter in the upper 10 inches: 2.4 percent
Typical profile:
 H1--0 to 8 inches; loam
 H2--8 to 12 inches; unweathered bedrock

16--Arenzville Silt Loam

Component Description

Arenzville and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 1 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
 Very deep (more than 60 inches)
Drainage class: Moderately well drained
Flooding does not occur (months):
 July August September October
Flooding is most likely (frequency, months):
 Frequent January February March April May
 June November December
Wet soil moisture status is highest (depth, months):
 4.5 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: 12.4 inches
Content of organic matter in the upper 10 inches: 1.6 percent
Typical profile:
 H1--0 to 8 inches; silt loam
 H2--8 to 31 inches; silt loam
 H3--31 to 60 inches; silt loam

19--Chaseburg Silt Loam

Component Description

Chaseburg 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 does not occur (months):
 July August September October
Flooding is most likely (frequency, months):
 Frequent January February March April May
 June November December
Ponding: None
Available water capacity to a depth of 60 inches: 12.4 inches
Content of organic matter in the upper 10 inches: 2.5 percent

Component Description

Becker 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: Moderately well drained

Flooding: None

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

5.0 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: 7.3 inches

Content of organic matter in the upper 10 inches: 3.2 percent

Typical profile:

H1--0 to 9 inches; loam

H2--9 to 30 inches; sandy loam

H3--30 to 36 inches; gravelly loamy coarse sand

H4--36 to 60 inches; coarse sand

27A--Dickinson Sandy Loam, 0 To 1 Percent Slopes

Component Description

Dickinson and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 1 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: 4.9 inches

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

Typical profile:

H1--0 to 15 inches; sandy loam

H2--15 to 28 inches; sandy loam

H3--28 to 60 inches; sand

27B--Dickinson Sandy Loam, 2 To 6 Percent Slopes

Component Description

Dickinson 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: 4.6 inches

Content of organic matter in the upper 10 inches: 1.4 percent

Typical profile:

H1--0 to 9 inches; sandy loam
H2--9 to 25 inches; sandy loam
H3--25 to 60 inches; sand

27C--Dickinson Sandy Loam, 6 To 12 Percent Slopes

Component Description

Dickinson 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: 5.7 inches
Content of organic matter in the upper 10 inches: 1.5 percent

Typical profile:

H1--0 to 20 inches; sandy loam
H2--20 to 36 inches; sandy loam
H3--36 to 60 inches; sand

30B--Kenyon Loam, 1 To 6 Percent Slopes

Component Description

Kenyon and similar soils

Extent: 100 percent of the unit
Slope range: 1 to 6 percent
Surface layer texture: Loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Moderately well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 11.2 inches
Content of organic matter in the upper 10 inches: 3.5 percent

Typical profile:

H1--0 to 13 inches; loam
H2--13 to 50 inches; clay loam
H3--50 to 60 inches; loam

42E--Salida Gravelly Sandy Loam, 12 To 35 Percent Slopes

Component Description

Salida and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 35 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 6 inches; gravelly sandy loam

H2--6 to 12 inches; gravelly loamy coarse sand

H3--12 to 60 inches; gravelly coarse sand

73F--Bellechester Loamy Sand, 25 To 45 Percent Slopes

Component Description

Bellechester and similar soils

Extent: 100 percent of the unit

Slope range: 25 to 45 percent

Surface layer texture: Loamy sand

Depth to restrictive feature:

Bedrock (paralithic): 40 to 70 inches

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.5 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 16 inches; loamy sand

H2--16 to 42 inches; sand

H3--42 to 60 inches; weathered bedrock

99B--Racine Silt Loam, 1 To 6 Percent Slopes

Component Description

Racine and similar soils

Extent: 100 percent of the unit

Slope range: 1 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: 10.6 inches

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

Typical profile:

H1--0 to 12 inches; silt loam

H2--12 to 18 inches; clay loam

H3--18 to 46 inches; sandy clay loam

H4--46 to 60 inches; loam

99C--Racine Silt Loam, 6 To 12 Percent Slopes

Component Description

Racine 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: 9.9 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 14 inches; clay loam

H3--14 to 37 inches; loam

H4--37 to 60 inches; loam

99D2--Racine Loam, 12 To 18 Percent Slopes, Eroded

Component Description

Racine 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: 9.8 inches

Content of organic matter in the upper 10 inches: 2.3 percent

Typical profile:

H1--0 to 6 inches; loam

H2--6 to 12 inches; loam

H3--12 to 35 inches; loam

H4--35 to 60 inches; loam

131B--Massbach Silt Loam, 2 To 6 Percent Slopes

Component Description

Massbach and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (paralithic): 40 to 60 inches

Drainage class: Moderately well drained

Flooding: None

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

4.0 feet February March April May June

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

More than 6.0 feet January July August September
October November December

Ponding: None

Available water capacity to a depth of 60 inches: 8.5 inches

Content of organic matter in the upper 10 inches: 2.4 percent

Typical profile:

H1--0 to 7 inches; silt loam

H2--7 to 11 inches; silt loam

H3--11 to 37 inches; silty clay loam

H4--37 to 45 inches; clay

H5--45 to 60 inches; weathered bedrock

131C--Massbach Silt Loam, 6 To 12 Percent Slopes

Component Description

Massbach and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (paralithic): 40 to 60 inches

Drainage class: Moderately well drained

Flooding: None

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

4.0 feet February March April May June

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

More than 6.0 feet January July August September
October November December

Ponding: None

Available water capacity to a depth of 60 inches: 8.5 inches

Content of organic matter in the upper 10 inches: 2.4 percent

Typical profile:

H1--0 to 7 inches; silt loam

H2--7 to 11 inches; silt loam

H3--11 to 37 inches; silt loam

H4--37 to 45 inches; clay

H5--45 to 60 inches; weathered bedrock

131D--Massbach Silt Loam, 12 To 18 Percent Slopes

Component Description

Massbach and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 15 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Bedrock (paralithic): 40 to 60 inches

Drainage class: Moderately well drained

Flooding: None

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

4.0 feet February March April May June

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

More than 6.0 feet January July August September
October November December

Ponding: None

Available water capacity to a depth of 60 inches: 8.5 inches

Content of organic matter in the upper 10 inches: 2.4 percent

Typical profile:

H1--0 to 7 inches; silt loam

H2--7 to 11 inches; silt loam

H3--11 to 37 inches; silt loam

H4--37 to 45 inches; clay

H5--45 to 60 inches; weathered bedrock

143B--Eleva Sandy Loam, 2 To 6 Percent Slopes

Component Description

Eleva and similar soils

Extent: 100 percent of the unit

Slope range: 2 to 6 percent

Surface layer texture: Sandy loam
Depth to restrictive feature:
 Bedrock (paralithic): 20 to 40 inches
Drainage class: Well 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: 1.9 percent
Typical profile:
 H1--0 to 9 inches; sandy loam
 H2--9 to 21 inches; fine sandy loam
 H3--21 to 32 inches; fine sand
 H4--32 to 36 inches; weathered bedrock

143C--Eleva Sandy Loam, 6 To 12 Percent Slopes

Component Description

Eleva and similar soils

Extent: 100 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
 Bedrock (paralithic): 20 to 40 inches
Drainage class: Well 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: 1.9 percent
Typical profile:
 H1--0 to 9 inches; sandy loam
 H2--9 to 21 inches; sandy loam
 H3--21 to 32 inches; sand
 H4--32 to 36 inches; weathered bedrock

173F--Frontenac Loam, 15 To 35 Percent Slopes

Component Description

Frontenac and similar soils

Extent: 100 percent of the unit
Slope range: 15 to 35 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: 8.3 inches
Content of organic matter in the upper 10 inches: 3.5 percent
Typical profile:
 H1--0 to 12 inches; loam
 H2--12 to 30 inches; loam
 H3--30 to 60 inches; channery loam

176--Garwin Silty Clay Loam

Component Description

Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 7.0 inches
Content of organic matter in the upper 10 inches: 3.5 percent
Typical profile:
H1--0 to 12 inches; silt loam
H2--12 to 25 inches; silt loam
H3--25 to 29 inches; sandy clay loam
H4--29 to 60 inches; sand

209B--Kegonsa Silt Loam, 2 To 6 Percent Slopes

Component Description

Kegonsa 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: 7.0 inches
Content of organic matter in the upper 10 inches: 3.5 percent
Typical profile:
H1--0 to 12 inches; silt loam
H2--12 to 25 inches; silt loam
H3--25 to 29 inches; loam
H4--29 to 60 inches; loamy coarse sand

216B--Lamont Sandy Loam, 2 To 6 Percent Slopes

Component Description

Lamont 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: 7.1 inches
Content of organic matter in the upper 10 inches: 0.7 percent
Typical profile:
H1--0 to 8 inches; sandy loam
H2--8 to 20 inches; loam
H3--20 to 60 inches; sand

244C--Lilah Sandy Loam, 6 To 12 Percent Slopes

Component Description

Lilah 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: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 2.9 inches

Content of organic matter in the upper 10 inches: 1.2 percent

Typical profile:

H1--0 to 9 inches; sandy loam

H2--9 to 13 inches; sandy loam

H3--13 to 56 inches; gravelly loamy coarse sand

H4--56 to 60 inches; coarse sand

251F--Marlean Silty Clay Loam, 25 To 40 Percent Slopes

Component Description

Marlean and similar soils

Extent: 100 percent of the unit

Slope range: 25 to 40 percent

Surface layer texture: Silty clay 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: 8.5 inches

Content of organic matter in the upper 10 inches: 3.5 percent

Typical profile:

H1--0 to 10 inches; silty clay loam

H2--10 to 18 inches; flaggy silty clay

H3--18 to 60 inches; flaggy clay loam

251G--Marlean Silty Clay Loam, 40 To 80 Percent Slopes

Component Description

Marlean and similar soils

Extent: 100 percent of the unit

Slope range: 40 to 80 percent

Surface layer texture: Silty clay 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: 8.5 inches

Content of organic matter in the upper 10 inches: 3.5 percent

Typical profile:

H1--0 to 10 inches; silty clay loam

H2--10 to 18 inches; flaggy silty clay loam

H3--18 to 60 inches; flaggy clay loam

252--Marshan Silt Loam

Component Description

Marshan and similar soils

Extent: 100 percent of the unit

H2--6 to 21 inches; sand
H3--21 to 60 inches; sand

283E--Plainfield Sand, 12 To 30 Percent Slopes

Component Description

Plainfield and similar soils

Extent: 100 percent of the unit

Slope range: 12 to 30 percent

Surface layer texture: 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: 3.3 inches

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

Typical profile:

H1--0 to 8 inches; sand

H2--8 to 21 inches; sand

H3--21 to 60 inches; sand

285A--Port Byron Silt Loam, 0 To 1 Percent Slopes

Component Description

Port byron and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 1 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: 12.9 inches

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

Typical profile:

H1--0 to 15 inches; silt loam

H2--15 to 35 inches; silt loam

H3--35 to 60 inches; silt loam

285B--Port Byron Silt Loam, 1 To 5 Percent Slopes

Component Description

Port byron and similar soils

Extent: 100 percent of the unit

Slope range: 1 to 5 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: 12.9 inches

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

Typical profile:

H1--0 to 15 inches; silt loam
H2--15 to 32 inches; silt loam
H3--32 to 60 inches; silt loam

285C--Port Byron Silt Loam, 5 To 9 Percent Slopes

Component Description

Port byron and similar soils

Extent: 100 percent of the unit

Slope range: 5 to 9 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: 12.8 inches

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

Typical profile:

H1--0 to 10 inches; silt loam

H2--10 to 25 inches; silt loam

H3--25 to 60 inches; silt loam

289--Radford Silt Loam

Component Description

Radford and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 1 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Somewhat poorly drained

Flooding does not occur (months):

January February July August September October November
December

Flooding is most likely (frequency, months):

Occasional March April May June

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

2.0 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: 12.2 inches

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

Typical profile:

H1--0 to 12 inches; silt loam

H2--12 to 29 inches; silt loam

H3--29 to 60 inches; silt loam

295--Readlyn Loam

Component Description

Readlyn 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):
 3.0 feet January February March April May
 June July November December
Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet August September October
Ponding: None
Available water capacity to a depth of 60 inches: 11.4 inches
Content of organic matter in the upper 10 inches: 4.5 percent
Typical profile:
 H1--0 to 22 inches; loam
 H2--22 to 44 inches; loam
 H3--44 to 60 inches; loam

298--Richwood Silt Loam, 0 To 2 Percent Slopes

Component Description

Richwood 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: 12.2 inches
Content of organic matter in the upper 10 inches: 3.5 percent
Typical profile:
 H1--0 to 24 inches; silt loam
 H2--24 to 50 inches; silt loam
 H3--50 to 59 inches; sandy loam
 H4--59 to 60 inches; sand

299A--Rockton Loam, 0 To 1 Percent Slopes

Component Description

Rockton and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 1 percent
Surface layer texture: Loam
Depth to restrictive feature:
 Bedrock (paralithic): 20 to 40 inches
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 5.7 inches
Content of organic matter in the upper 10 inches: 4.0 percent
Typical profile:
 H1--0 to 15 inches; loam
 H2--15 to 26 inches; loam
 H3--26 to 31 inches; clay loam

H4--31 to 35 inches; weathered bedrock

299B--Rockton Loam, 1 To 6 Percent Slopes

Component Description

Rockton and similar soils

Extent: 100 percent of the unit

Slope range: 1 to 6 percent

Surface layer texture: Loam

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.7 inches

Content of organic matter in the upper 10 inches: 4.0 percent

Typical profile:

H1--0 to 15 inches; loam

H2--15 to 26 inches; loam

H3--26 to 31 inches; clay

H4--31 to 35 inches; weathered bedrock

299C--Rockton Loam, 6 To 12 Percent Slopes

Component Description

Rockton and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Loam

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 6.4 inches

Content of organic matter in the upper 10 inches: 4.0 percent

Typical profile:

H1--0 to 15 inches; loam

H2--15 to 33 inches; clay loam

H3--33 to 37 inches; weathered bedrock

301B--Lindstrom Silt Loam, 2 To 6 Percent Slopes

Component Description

Lindstrom 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: 12.9 inches

Content of organic matter in the upper 10 inches: 3.7 percent

Typical profile:

H1--0 to 9 inches; silt loam
H2--9 to 24 inches; silt loam
H3--24 to 55 inches; silt loam
H4--55 to 60 inches; silt loam

301C--Lindstrom Silt Loam, 6 To 15 Percent Slopes

Component Description

Lindstrom and similar soils

Extent: 100 percent of the unit
Slope range: 6 to 15 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: 12.9 inches
Content of organic matter in the upper 10 inches: 3.7 percent
Typical profile:

H1--0 to 9 inches; silt loam
H2--9 to 24 inches; silt loam
H3--24 to 55 inches; silt loam
H4--55 to 60 inches; silt loam

309C--Schapville Silty Clay Loam, 6 To 12 Percent Slopes

Component Description

Schapville and similar soils

Extent: 100 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Silty clay loam
Depth to restrictive feature:
Bedrock (paralithic): 20 to 40 inches
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.3 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:

H1--0 to 7 inches; silty clay loam
H2--7 to 15 inches; silty clay loam
H3--15 to 20 inches; clay
H4--20 to 60 inches; weathered bedrock

309D--Schapville Silty Clay Loam, 12 To 25 Percent Slopes

Component Description

Schapville and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 20 percent
Surface layer texture: Silty clay loam
Depth to restrictive feature:
Bedrock (paralithic): 20 to 40 inches
Drainage class: Well drained

H2--15 to 21 inches; silty clay loam
H3--21 to 27 inches; silty clay
H4--27 to 60 inches; weathered bedrock

313--Spillville Silt Loam

Component Description

Spillville and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 1 percent

Surface layer texture: Stratified loam to silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Flooding does not occur (months):

January December

Flooding is most likely (frequency, months):

Occasional

February March April May June

July August September October

November

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

4.0 feet

January February March April May

June July November December

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

More than 6.0 feet

August September October

Ponding: None

Available water capacity to a depth of 60 inches: 11.7 inches

Content of organic matter in the upper 10 inches: 5.0 percent

Typical profile:

H1--0 to 52 inches; stratified loam to silt loam

H2--52 to 60 inches; coarse sand

322C--Timula Silt Loam, 6 To 12 Percent Slopes

Component Description

Timula 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: 12.0 inches

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

Typical profile:

H1--0 to 20 inches; silt loam

H2--20 to 60 inches; silt loam

322D--Timula Silt Loam, 12 To 18 Percent Slopes

Component Description

Timula and similar soils

Extent: 100 percent of the unit

Component Description

Whalan and similar soils

Extent: 100 percent of the unit

Slope range: 1 to 6 percent

Surface layer texture: Loam

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.6 inches

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

Typical profile:

H1--0 to 17 inches; loam

H2--17 to 22 inches; loam

H3--22 to 27 inches; clay loam

H4--27 to 31 inches; weathered bedrock

340C--Whalan Loam, 6 To 12 Percent Slopes

Component Description

Whalan and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Loam

Depth to restrictive feature:

Bedrock (paralithic): 20 to 40 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 5.6 inches

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

Typical profile:

H1--0 to 17 inches; loam

H2--17 to 22 inches; loam

H3--22 to 27 inches; clay loam

H4--27 to 31 inches; weathered bedrock

369B--Waubee Silt Loam, 1 To 6 Percent Slopes

Component Description

Waubee and similar soils

Extent: 100 percent of the unit

Slope range: 1 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: 11.5 inches

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

Typical profile:

H1--0 to 13 inches; silt loam

Very deep (more than 60 inches)
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 12.8 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
H1--0 to 12 inches; silt loam
H2--12 to 40 inches; silt loam
H3--40 to 51 inches; silt loam
H4--51 to 60 inches; silt loam

401C--Mt. Carroll Silt Loam, 6 To 12 Percent Slopes

Component Description

Mt. carroll 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: 12.8 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
H1--0 to 12 inches; silt loam
H2--12 to 38 inches; silt loam
H3--38 to 51 inches; silt loam
H4--51 to 60 inches; silt loam

401C2--Mt. Carroll Silt Loam, 6 To 12 Percent Slopes, Eroded

Component Description

Mt. carroll 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: 12.7 inches
Content of organic matter in the upper 10 inches: 2.0 percent
Typical profile:
H1--0 to 7 inches; silt loam
H2--7 to 27 inches; silt loam
H3--27 to 51 inches; silt loam
H4--51 to 60 inches; silt loam

401D--Mt. Carroll Silt Loam, 12 To 18 Percent Slopes

Component Description

Mt. carroll and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 18 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: 12.8 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
 H1--0 to 10 inches; silt loam
 H2--10 to 35 inches; silt loam
 H3--35 to 51 inches; silt loam
 H4--51 to 60 inches; silt loam

401D2--Mt. Carroll Silt Loam, 12 To 18 Percent Slopes, Eroded

Component Description

Mt. carroll and similar soils
Extent: 100 percent of the unit
Slope range: 12 to 18 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: 12.7 inches
Content of organic matter in the upper 10 inches: 2.0 percent
Typical profile:
 H1--0 to 7 inches; silt loam
 H2--7 to 25 inches; silt loam
 H3--25 to 51 inches; silt loam
 H4--51 to 60 inches; silt loam

401E--Mt. Carroll Silt Loam, 18 To 25 Percent Slopes

Component Description

Mt. carroll and similar soils
Extent: 100 percent of the unit
Slope range: 18 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: 12.8 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
 H1--0 to 10 inches; silt loam
 H2--10 to 35 inches; silt loam
 H3--35 to 51 inches; silt loam
 H4--51 to 60 inches; silt loam

463--Minneiska Loam, Occasionally Flooded

Component Description

Minneiska and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 1 percent

Surface layer texture: Loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Moderately well drained

Flooding does not occur (months):

January February August September October November
December

Flooding is most likely (frequency, months):

Occasional March April May June July

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

3.2 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: 9.5 inches

Content of organic matter in the upper 10 inches: 3.5 percent

Typical profile:

H1--0 to 36 inches; loam

H2--36 to 39 inches; sandy loam

H3--39 to 60 inches; gravelly coarse sand

465--Kalmarville Silt Loam

Component Description

Kalmarville and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Flood plain

Slope range: 0 to 1 percent

Surface layer texture: Stratified fine sandy loam to silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Flooding does not occur (months):

January February July August September October November
December

Flooding is most likely (frequency, months):

Frequent March April May June

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

0.5 foot January February March April May
June July August November
December

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

More than 6.0 feet September October

Ponding: None

Available water capacity to a depth of 60 inches: 8.8 inches

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

Typical profile:

H1--0 to 10 inches; stratified fine sandy loam to silt loam

H2--10 to 43 inches; sand

H3--43 to 60 inches; sand

467--Sawmill Silty Clay Loam

Component Description

Sawmill and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Flood plain

Slope range: 0 to 2 percent

Surface layer texture: Silty clay loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Flooding does not occur (months):

January February July August September October November
December

Flooding is most likely (frequency, months):

Occasional March April May June

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

1.0 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: 11.9 inches

Content of organic matter in the upper 10 inches: 4.5 percent

Typical profile:

H1--0 to 18 inches; silty clay loam

H2--18 to 30 inches; silty clay loam

H3--30 to 41 inches; silty clay loam

H4--41 to 60 inches; silty clay loam

468--Otter Silt Loam, Channeled

Component Description

Otter and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Flood plain

Slope range: 0 to 2 percent

Surface layer texture: Stratified silt loam to silty clay loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Flooding does not occur (months):

January February July August September October November
December

Flooding is most likely (frequency, months):

Frequent March April May June

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

1.0 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: 12.4 inches

Content of organic matter in the upper 10 inches: 7.5 percent

Typical profile:

H1--0 to 30 inches; stratified silt loam to silty clay loam

H2--30 to 38 inches; silt loam

H3--38 to 60 inches; silt loam

471--Root Silt Loam

Component Description

Root and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Flood plain

Slope range: 1 to 3 percent

Surface layer texture: Silt loam

Depth to restrictive feature:

Very deep (more than 60 inches)

Drainage class: Poorly drained

Flooding does not occur (months):

January February July August September October November
December

Flooding is most likely (frequency, months):

Frequent March April May June

Wet soil moisture status: At 0.8 foot all year

Ponding: None

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

Content of organic matter in the upper 10 inches: 4.0 percent

Typical profile:

H1--0 to 34 inches; silt loam

H2--34 to 50 inches; channery loam

472B--Channahon Loam, 1 To 6 Percent Slopes

Component Description

Channahon and similar soils

Extent: 100 percent of the unit

Slope range: 1 to 6 percent

Surface layer texture: Loam

Depth to restrictive feature:

Bedrock (lithic): 10 to 20 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 2.8 inches

Content of organic matter in the upper 10 inches: 2.5 percent

Typical profile:

H1--0 to 12 inches; loam

H2--12 to 15 inches; loam

H3--15 to 19 inches; unweathered bedrock

472C--Channahon Loam, 6 To 12 Percent Slopes

Component Description

Channahon and similar soils

Extent: 100 percent of the unit

Slope range: 6 to 12 percent

Surface layer texture: Loam

Depth to restrictive feature:
Bedrock (lithic): 10 to 20 inches
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 2.5 inches
Content of organic matter in the upper 10 inches: 1.9 percent
Typical profile:
H1--0 to 7 inches; loam
H2--7 to 13 inches; loam
H3--13 to 15 inches; unweathered bedrock

473D--Dorerton Loam, 12 To 25 Percent Slopes

Component Description

Dorerton and similar soils
Extent: 100 percent of the unit
Slope range: 12 to 25 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: 6.7 inches
Content of organic matter in the upper 10 inches: 1.5 percent
Typical profile:
H1--0 to 10 inches; loam
H2--10 to 18 inches; loam
H3--18 to 30 inches; channery loam
H4--30 to 60 inches; very flaggy loamy sand

473F--Dorerton Loam, 25 To 40 Percent Slopes

Component Description

Dorerton and similar soils
Extent: 100 percent of the unit
Slope range: 25 to 40 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: 6.7 inches
Content of organic matter in the upper 10 inches: 1.5 percent
Typical profile:
H1--0 to 10 inches; loam
H2--10 to 18 inches; loam
H3--18 to 30 inches; channery clay loam
H4--30 to 60 inches; very flaggy loamy sand

474B--Haverhill Silty Clay Loam, 1 To 8 Percent Slopes

Component Description

Haverhill and similar soils

Extent: 100 percent of the unit
Geomorphic description:
Terrace
Slope range: 1 to 8 percent
Surface layer texture: Silty clay loam
Depth to restrictive feature:
Bedrock (paralithic): 20 to 40 inches
Drainage class: Very poorly drained
Flooding: None
Wet soil moisture status: At 0.5 foot all year
Ponding: None
Available water capacity to a depth of 60 inches: 5.2 inches
Content of organic matter in the upper 10 inches: 10.0 percent
Typical profile:
H1--0 to 13 inches; silty clay loam
H2--13 to 32 inches; clay
H3--32 to 42 inches; weathered bedrock

475B--Backbone Sandy Loam, 1 To 6 Percent Slopes

Component Description

Backbone and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Sandy loam
Depth to restrictive feature:
Bedrock (lithic): 20 to 40 inches
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.6 inches
Content of organic matter in the upper 10 inches: 1.4 percent
Typical profile:
H1--0 to 9 inches; sandy loam
H2--9 to 23 inches; sandy loam
H3--23 to 28 inches; clay loam
H4--28 to 32 inches; weathered bedrock
H5--32 to 40 inches; unweathered bedrock

476B--Frankville Silt Loam, 1 To 6 Percent Slopes

Component Description

Frankville and similar soils

Extent: 100 percent of the unit
Slope range: 1 to 6 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Bedrock (lithic): 20 to 40 inches
Drainage class: Well drained

Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 7.1 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
H1--0 to 12 inches; silt loam

H2--12 to 32 inches; silt loam

H3--32 to 37 inches; silty clay
H4--37 to 41 inches; weathered bedrock
H5--41 to 50 inches; unweathered bedrock

476C--Frankville Silt Loam, 6 To 12 Percent Slopes

Component Description

Frankville and similar soils

Extent: 100 percent of the unit
Slope range: 5 to 12 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
 Bedrock (lithic): 20 to 40 inches
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 7.1 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
 H1--0 to 12 inches; silt loam
 H2--12 to 32 inches; silt loam
 H3--32 to 37 inches; silty clay
 H4--37 to 41 inches; weathered bedrock
 H5--41 to 50 inches; unweathered bedrock

477A--Littleton Silt Loam, 0 To 1 Percent Slopes

Component Description

Littleton and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 1 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):
 2.0 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: 13.0 inches
Content of organic matter in the upper 10 inches: 2.8 percent
Typical profile:
 H1--0 to 8 inches; silt loam
 H2--8 to 28 inches; silt loam
 H3--28 to 60 inches; silty clay loam

477B--Littleton Silt Loam, 1 To 4 Percent Slopes

Component Description

Littleton and similar soils

Extent: 100 percent of the unit
Slope range: 1 to 4 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):
2.0 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: 13.1 inches
Content of organic matter in the upper 10 inches: 2.8 percent
Typical profile:
H1--0 to 8 inches; silt loam
H2--8 to 32 inches; silt loam
H3--32 to 60 inches; silt loam

478B--Coggon Silt Loam, 2 To 6 Percent Slopes

Component Description

Coggon 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
Ponding: None
Available water capacity to a depth of 60 inches: 10.9 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
H1--0 to 12 inches; silt loam
H2--12 to 55 inches; clay loam
H3--55 to 60 inches; loam

479--Floyd Silt Loam, 1 To 4 Percent Slopes

Component Description

Floyd and similar soils

Extent: 100 percent of the unit
Slope range: 1 to 4 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):
3.0 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: 10.9 inches
Content of organic matter in the upper 10 inches: 5.5 percent
Typical profile:

H1--0 to 18 inches; silt loam
H2--18 to 26 inches; loam
H3--26 to 60 inches; loam

483A--Waukee Loam, 0 To 2 Percent Slopes

Component Description

Waukee 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: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 6.8 inches
Content of organic matter in the upper 10 inches: 3.5 percent
Typical profile:
H1--0 to 10 inches; loam
H2--10 to 31 inches; loam
H3--31 to 60 inches; coarse sand

483B--Waukee Loam, 2 To 6 Percent Slopes

Component Description

Waukee 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: 6.8 inches
Content of organic matter in the upper 10 inches: 3.5 percent
Typical profile:
H1--0 to 10 inches; loam
H2--10 to 31 inches; loam
H3--31 to 60 inches; sand

484C--Eyota Sandy Loam, 6 To 12 Percent Slopes

Component Description

Eyota 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: 9.9 inches
Content of organic matter in the upper 10 inches: 2.5 percent

Content of organic matter in the upper 10 inches: 3.5 percent

Typical profile:

H1--0 to 12 inches; flaggy loam

H2--12 to 45 inches; flaggy loamy very fine sand

H3--45 to 49 inches; unweathered bedrock

488G--Brodale Flaggy Sandy Loam, 40 To 80 Percent Slopes

Component Description

Brodale and similar soils

Extent: 100 percent of the unit

Slope range: 40 to 80 percent

Surface layer texture: Flaggy sandy loam

Depth to restrictive feature:

Bedrock (lithic): 40 to 80 inches

Drainage class: Excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 3.4 inches

Content of organic matter in the upper 10 inches: 3.5 percent

Typical profile:

H1--0 to 12 inches; flaggy sandy loam

H2--12 to 45 inches; very flaggy sandy loam

H3--45 to 49 inches;

489A--Atkinson Loam, 0 To 1 Percent Slopes

Component Description

Atkinson and similar soils

Extent: 100 percent of the unit

Slope range: 0 to 1 percent

Surface layer texture: Loam

Depth to restrictive feature:

Bedrock (lithic): 40 to 55 inches

Drainage class: Well drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 6.1 inches

Content of organic matter in the upper 10 inches: 4.0 percent

Typical profile:

H1--0 to 13 inches; loam

H2--13 to 24 inches; loam

H3--24 to 34 inches; clay loam

H4--34 to 41 inches; weathered bedrock

H5--41 to 45 inches; unweathered bedrock

489B--Atkinson Loam, 1 To 6 Percent Slopes

Component Description

Atkinson and similar soils

Extent: 100 percent of the unit

Slope range: 1 to 6 percent

Surface layer texture: Loam

Depth to restrictive feature:

Bedrock (lithic): 40 to 55 inches

Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 6.1 inches
Content of organic matter in the upper 10 inches: 4.0 percent
Typical profile:
H1--0 to 13 inches; loam
H2--13 to 24 inches; loam
H3--24 to 34 inches; clay loam
H4--34 to 41 inches; weathered bedrock
H5--41 to 45 inches; unweathered bedrock

491B--Waucoma Loam, 2 To 6 Percent Slopes

Component Description

Waucoma and similar soils
Extent: 100 percent of the unit
Slope range: 2 to 6 percent
Surface layer texture: Loam
Depth to restrictive feature:
Bedrock (lithic): 40 to 60 inches
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 9.7 inches
Content of organic matter in the upper 10 inches: 3.0 percent
Typical profile:
H1--0 to 12 inches; loam
H2--12 to 45 inches; loam
H3--45 to 55 inches; clay
H4--55 to 60 inches; unweathered bedrock

492B--Nasset Silt Loam, 2 To 6 Percent Slopes

Component Description

Nasset and similar soils
Extent: 100 percent of the unit
Slope range: 2 to 5 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
Bedrock (lithic): 40 to 60 inches
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 8.2 inches
Content of organic matter in the upper 10 inches: 2.7 percent
Typical profile:
H1--0 to 6 inches; silt loam
H2--6 to 37 inches; silt loam
H3--37 to 44 inches; clay
H4--44 to 48 inches; unweathered bedrock

492C--Nasset Silt Loam, 6 To 12 Percent Slopes

Component Description

Nasset and similar soils

Extent: 100 percent of the unit
Slope range: 6 to 12 percent
Surface layer texture: Silt loam
Depth to restrictive feature:
 Bedrock (lithic): 40 to 60 inches
Drainage class: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 8.2 inches
Content of organic matter in the upper 10 inches: 1.8 percent
Typical profile:
 H1--0 to 6 inches; silt loam
 H2--6 to 37 inches; silt loam
 H3--37 to 44 inches; silty clay loam
 H4--44 to 48 inches; unweathered bedrock

493B--Oronoco Loam, 2 To 6 Percent Slopes

Component Description

Oronoco 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: 11.2 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
 H1--0 to 11 inches; loam
 H2--11 to 45 inches; loam
 H3--45 to 60 inches; silt loam

493C--Oronoco Loam, 6 To 12 Percent Slopes

Component Description

Oronoco 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: 11.2 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
 H1--0 to 11 inches; loam
 H2--11 to 45 inches; fine sandy loam
 H3--45 to 60 inches; silt loam

493D--Oronoco Fine Sandy Loam, 12 To 18 Percent Slopes

Component Description

Oronoco 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: 10.9 inches
Content of organic matter in the upper 10 inches: 2.1 percent
Typical profile:
H1--0 to 8 inches; fine sandy loam
H2--8 to 43 inches; fine sandy loam
H3--43 to 60 inches; silt loam

495--Zumbro Loamy Sand

Component Description

Zumbro and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Moderately well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 5.8 inches
Content of organic matter in the upper 10 inches: 1.5 percent
Typical profile:
H1--0 to 8 inches; loamy sand
H2--8 to 40 inches; loamy sand
H3--40 to 50 inches; sand
H4--50 to 65 inches; sand

516A--Dowagiac Loam, 0 To 2 Percent Slopes

Component Description

Dowagiac 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: Well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 6.2 inches
Content of organic matter in the upper 10 inches: 3.0 percent
Typical profile:
H1--0 to 15 inches; loam
H2--15 to 21 inches; loam
H3--21 to 35 inches; clay loam
H4--35 to 60 inches; coarse sand

Brodale and similar soils

Extent: 55 percent of the unit
Slope range: 40 to 60 percent
Surface layer texture: Flaggy sandy loam
Depth to restrictive feature:
 Bedrock (lithic): 40 to 80 inches
Drainage class: Excessively 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: 2.8 percent
Typical profile:
 H1--0 to 8 inches; flaggy sandy loam
 H2--8 to 60 inches; flaggy loamy sand

 H3--60 to 64 inches; unweathered bedrock

Bellechester and similar soils

Extent: 30 percent of the unit
Slope range: 25 to 50 percent
Surface layer texture: Loamy sand
Depth to restrictive feature:
 Bedrock (paralithic): 40 to 70 inches
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.5 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
 H1--0 to 16 inches; loamy sand
 H2--16 to 42 inches; sand
 H3--42 to 60 inches; weathered bedrock

973D--Brodale-Sogn Complex, 12 To 25 Percent Slopes

Component Description

Brodale and similar soils

Extent: 60 percent of the unit
Slope range: 20 to 25 percent
Surface layer texture: Flaggy loam
Depth to restrictive feature:
 Bedrock (lithic): 40 to 80 inches
Drainage class: Excessively drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 3.3 inches
Content of organic matter in the upper 10 inches: 2.5 percent
Typical profile:
 H1--0 to 7 inches; flaggy loam
 H2--7 to 45 inches; channery loamy fine sand
 H3--45 to 49 inches; unweathered bedrock

Sogn and similar soils

Extent: 40 percent of the unit
Slope range: 12 to 20 percent
Surface layer texture: Loam
Depth to restrictive feature:
 Bedrock (lithic): 4 to 20 inches
Drainage class: Somewhat excessively 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: 2.0 percent

Typical profile:

H1--0 to 15 inches; loam

H2--15 to 19 inches; unweathered bedrock

1013--Pits, Quarry

Component Description

Pits

Extent: 100 percent of the unit

1029--Pits, Gravel

Component Description

Pits

Extent: 100 percent of the unit

1039--Urban Land

Component Description

Urban land

Extent: 100 percent of the unit

1078--Udorthents

Component Description

Udorthents and similar soils

Extent: 100 percent of the unit

Depth to restrictive feature:

Very deep (more than 60 inches)

Flooding: None

Ponding: None

1811B--Lamont-Racine Complex, 2 To 6 Percent Slopes

Component Description

Lamont and similar soils

Extent: 60 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: 7.5 inches

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

Typical profile:

H1--0 to 8 inches; sandy loam

H2--8 to 28 inches; loam
H3--28 to 60 inches; sand

Racine and similar soils

Extent: 35 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: 10.5 inches
Content of organic matter in the upper 10 inches: 2.6 percent
Typical profile:
H1--0 to 8 inches; loam
H2--8 to 22 inches; clay loam
H3--22 to 42 inches; clay loam
H4--42 to 60 inches; loam

1812B--Terril Loam, Sandy Substratum, 1 To 6 Percent Slopes

Component Description

Terril and similar soils

Extent: 100 percent of the unit
Slope range: 1 to 6 percent
Surface layer texture: Loam
Depth to restrictive feature:
Very deep (more than 60 inches)
Drainage class: Moderately well drained
Flooding: None
Ponding: None
Available water capacity to a depth of 60 inches: 9.8 inches
Content of organic matter in the upper 10 inches: 3.5 percent
Typical profile:
H1--0 to 31 inches; loam
H2--31 to 45 inches; loam
H3--45 to 60 inches; coarse sand

1819G--Dorerton-Rock Outcrop Complex, Very Steep

Component Description

Dorerton and similar soils

Extent: 50 percent of the unit
Slope range: 12 to 65 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: 6.7 inches
Content of organic matter in the upper 10 inches: 1.5 percent
Typical profile:
H1--0 to 10 inches; loam
H2--10 to 18 inches; loam
H3--18 to 30 inches; channery clay loam
H4--30 to 60 inches; flaggy loamy sand

Rock outcrop

Extent: 35 percent of the unit

1832C--Ostrander-Dowagiatic Loams, 6 To 12 Percent Slopes

Component Description

Ostrander and similar soils

Extent: 55 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: 11.4 inches

Content of organic matter in the upper 10 inches: 4.0 percent

Typical profile:

H1--0 to 13 inches; loam

H2--13 to 20 inches; loam

H3--20 to 45 inches; loam

H4--45 to 60 inches; loam

Dowagiatic and similar soils

Extent: 40 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: 6.0 inches

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

Typical profile:

H1--0 to 10 inches; loam

H2--10 to 19 inches; loam

H3--19 to 34 inches; gravelly sandy loam

H4--34 to 60 inches; coarse sand

1846--Kato Silty Clay Loam, Depressional

Component Description

Kato 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 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: At the surface all year

Ponding: At 0.5 foot all year

Available water capacity to a depth of 60 inches: 10.7 inches

Content of organic matter in the upper 10 inches: 7.5 percent

Typical profile:

H1--0 to 16 inches; silty clay loam

H2--16 to 50 inches; silty clay loam

H3--50 to 60 inches; gravelly loamy coarse sand

CW--Census Water

Component Description

Census water

Extent: 100 percent of the unit