

Soil Descriptions - Non Technical

12C--Emmert Gravelly Fine Sandy Loam, 1 To 12 Percent Slopes

Component Description

Emmert and similar soils

Extent: 100 percent of the unit
Slope range: 1 to 12 percent
Surface layer texture: Gravelly fine 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: 2.7 inches
Content of organic matter in the upper 10 inches: 0.7 percent
Typical profile:
 H1--0 to 9 inches; gravelly fine sandy loam
 H2--9 to 60 inches; very gravelly coarse sand

12E--Emmert Gravelly Fine Sandy Loam, 12 To 25 Percent Slope S

Component Description

Emmert and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 25 percent
Surface layer texture: Gravelly fine 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: 2.7 inches
Content of organic matter in the upper 10 inches: 0.7 percent
Typical profile:
 H1--0 to 9 inches; gravelly fine sandy loam
 H2--9 to 60 inches; very gravelly coarse sand

21--Ahmeek Loam, 0 To 2 Percent Slopes

Component Description

Ahmeek 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: 9.5 inches

Content of organic matter in the upper 10 inches: 1.0 percent

Typical profile:

H1--0 to 2 inches; loam

H2--2 to 16 inches; loam

H3--16 to 60 inches; fine sandy loam

H4--60 to 75 inches; fine sandy loam

21C--Ahmeek Loam, 2 To 12 Percent Slopes

Component Description

Ahmeek 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: 9.5 inches

Content of organic matter in the upper 10 inches: 1.0 percent

Typical profile:

H1--0 to 2 inches; loam

H2--2 to 16 inches; loam

H3--16 to 60 inches; fine sandy loam

H4--60 to 75 inches; fine sandy loam

21E--Ahmeek Loam, 12 To 25 Percent Slopes

Component Description

Ahmeek 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: 9.5 inches

Content of organic matter in the upper 10 inches: 1.0 percent

Typical profile:

H1--0 to 2 inches; loam

H2--2 to 16 inches; loam

H3--16 to 60 inches; fine sandy loam

H4--60 to 75 inches; fine sandy loam

22--Allendale Loamy Fine Sand

Component Description

Allendale 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: 4.1 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
H1--0 to 10 inches; loamy sand
H2--10 to 60 inches; sand

188C--Omega Loamy 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 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: 4.1 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
H1--0 to 10 inches; loamy sand
H2--10 to 60 inches; sand

188E--Omega Loamy 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 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: 4.1 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
H1--0 to 10 inches; loamy sand
H2--10 to 60 inches; sand

204--Cushing Fine Sandy Loam

Component Description

Warba and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 2 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: 11.0 inches
Content of organic matter in the upper 10 inches: 1.8 percent
Typical profile:
H1--0 to 8 inches; fine sandy loam
H2--8 to 36 inches; clay loam
H3--36 to 60 inches; loam

254--Hibbing Silt Loam, 0 To 2 Percent Slopes

Component Description

Hibbing 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
Ponding: None
Available water capacity to a depth of 60 inches: 8.2 inches
Content of organic matter in the upper 10 inches: 2.1 percent
Typical profile:
H1--0 to 6 inches; silt loam
H2--6 to 70 inches; clay
H3--70 to 75 inches; clay

254C--Hibbing Silt Loam, 2 To 12 Percent Slopes

Component Description

Hibbing 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: 8.2 inches
Content of organic matter in the upper 10 inches: 2.1 percent
Typical profile:
H1--0 to 6 inches; silt loam
H2--6 to 70 inches; clay
H3--70 to 75 inches; clay

268--Cromwell Sandy Loam, 0 To 2 Percent Slopes

Component Description

Cromwell 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

Extent: 100 percent of the unit
Slope range: 0 to 2 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):
 1.7 feet January February March April May
 September October November
 December
Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet June July August
Ponding: None
Available water capacity to a depth of 60 inches: 8.5 inches
Content of organic matter in the upper 10 inches: 1.0 percent
Typical profile:
 H1--0 to 2 inches; fine sandy loam
 H2--2 to 9 inches; fine sandy loam
 H3--9 to 14 inches; loam
 H4--14 to 37 inches; loam
 H5--37 to 64 inches; loam

303--Ontonagon Silty Clay, 0 To 2 Percent Slopes

Component Description

Ontonagon and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Silty clay
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: 0.8 percent
Typical profile:
 H1--0 to 3 inches; silty clay
 H2--3 to 6 inches; silty clay
 H3--6 to 24 inches; clay
 H4--24 to 60 inches; clay

303C--Ontonagon Silty Clay, 2 To 12 Percent Slopes

Component Description

Ontonagon and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 12 percent
Surface layer texture: Silty clay
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: 0.8 percent
Typical profile:

Geomorphic description:

Depression
Slope range: 0 to 1 percent
Surface layer texture: Mucky 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: 5.9 inches
Content of organic matter in the upper 10 inches: 11.4 percent
Typical profile:
H1--0 to 8 inches; mucky loam
H2--8 to 20 inches; loam
H3--20 to 60 inches; gravelly coarse sand

355--Cloquet Fine Sandy Loam, 0 To 2 Percent Slopes

Component Description

Cloquet and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Fine 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: 3.8 inches
Content of organic matter in the upper 10 inches: 1.6 percent
Typical profile:
H1--0 to 8 inches; fine sandy loam
H2--8 to 14 inches; very fine sandy loam
H3--14 to 36 inches; gravelly loamy coarse sand
H4--36 to 60 inches; stratified gravel to coarse sand

355C--Cloquet Fine Sandy Loam, 2 To 12 Percent Slopes

Component Description

Cloquet 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: Somewhat 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: 1.6 percent
Typical profile:
H1--0 to 8 inches; fine sandy loam
H2--8 to 14 inches; very fine sandy loam
H3--14 to 36 inches; gravelly loamy coarse sand
H4--36 to 60 inches; stratified gravel to coarse sand

355E--Cloquet Fine Sandy Loam, 12 To 25 Percent Slopes

Component Description

Cloquet 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: Somewhat 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: 1.6 percent

Typical profile:

H1--0 to 8 inches; fine sandy loam

H2--8 to 14 inches; very fine sandy loam

H3--14 to 36 inches; gravelly loamy coarse sand

H4--36 to 60 inches; stratified gravel to coarse sand

367--Campia Silt Loam, 0 To 2 Percent Slopes

Component Description

Campia 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: 11.2 inches

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

Typical profile:

H1--0 to 7 inches; silt loam

H2--7 to 9 inches; silty clay loam

H3--9 to 16 inches; silty clay loam

H4--16 to 40 inches; silt loam

H5--40 to 60 inches; stratified silty clay loam to fine sand

367C--Campia Silt Loam, 2 To 12 Percent Slopes

Component Description

Campia 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: 11.2 inches

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

Typical profile:

H1--0 to 7 inches; silt loam

H2--7 to 9 inches; silty clay loam
H3--9 to 16 inches; silty clay loam
H4--16 to 40 inches; silt loam
H5--40 to 60 inches; stratified silty clay loam to fine sand

367E--Campia Silt Loam, 12 To 25 Percent Slopes

Component Description

Campia 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: 11.2 inches

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

Typical profile:

H1--0 to 7 inches; silt loam

H2--7 to 9 inches; silty clay loam

H3--9 to 16 inches; silty clay loam

H4--16 to 40 inches; silt loam

H5--40 to 60 inches; stratified silty clay loam to fine sand

502--Dusler Silt Loam

Component Description

Dusler 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):

2.0 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: 10.5 inches

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

Typical profile:

H1--0 to 4 inches; silt loam

H2--4 to 22 inches; fine sandy loam

H3--22 to 55 inches; loam

H4--55 to 60 inches; loam

504--Duluth Very Fine Sandy Loam, 0 To 2 Percent Slopes

Component Description

Duluth and similar soils

Extent: 100 percent of the unit
Slope range: 0 to 2 percent
Surface layer texture: Very 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):
 4.8 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: 10.4 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
 H1--0 to 2 inches; very fine sandy loam
 H2--2 to 13 inches; fine sandy loam
 H3--13 to 64 inches; loam
 H4--64 to 72 inches; loam

504C--Duluth Very Fine Sandy Loam, 2 To 12 Percent Slopes

Component Description

Duluth and similar soils

Extent: 100 percent of the unit
Slope range: 2 to 12 percent
Surface layer texture: Very 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: 10.4 inches
Content of organic matter in the upper 10 inches: 1.6 percent
Typical profile:
 H1--0 to 2 inches; very fine sandy loam
 H2--2 to 13 inches; fine sandy loam
 H3--13 to 64 inches; loam
 H4--64 to 72 inches; loam

504E--Duluth Very Fine Sandy Loam, 12 To 25 Percent Slopes

Component Description

Duluth and similar soils

Extent: 100 percent of the unit
Slope range: 12 to 25 percent
Surface layer texture: Very 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: 10.4 inches
Content of organic matter in the upper 10 inches: 1.6 percent
Typical profile:
 H1--0 to 2 inches; very fine sandy loam

H2--2 to 13 inches; fine sandy loam
H3--13 to 64 inches; loam
H4--64 to 72 inches; loam

504G--Duluth Very Fine Sandy Loam, 25 To 35 Percent Slopes

Component Description

Duluth and similar soils

Extent: 100 percent of the unit
Slope range: 25 to 35 percent
Surface layer texture: Very 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: 10.4 inches
Content of organic matter in the upper 10 inches: 1.6 percent
Typical profile:
 H1--0 to 2 inches; very fine sandy loam
 H2--2 to 13 inches; fine sandy loam
 H3--13 to 64 inches; loam
 H4--64 to 72 inches; loam

530--Greenwood Mucky Peat

Component Description

Greenwood 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):
 0.5 foot 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: None
Available water capacity to a depth of 60 inches: 29.9 inches
Content of organic matter in the upper 10 inches: 65.0 percent
Typical profile:
 H1--0 to 20 inches; mucky peat
 H2--20 to 70 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; loam

533--Loxley Muck

Component Description

Loxley 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
 October November December
Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet June July August September
Ponding: At 0.5 foot all year
Available water capacity to a depth of 60 inches: 24.5 inches
Content of organic matter in the upper 10 inches: 80.0 percent
Typical profile:
 H1--0 to 6 inches; mucky peat
 H2--6 to 60 inches; muck

534--Mooselake Mucky Peat

Component Description

Mooselake 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 0.5 foot all year
Available water capacity to a depth of 60 inches: 26.6 inches
Content of organic matter in the upper 10 inches: 62.0 percent

Typical profile:

H1--0 to 6 inches; muck

H2--6 to 72 inches; mucky peat

535--Merwin Mucky Peat

Component Description

Merwin 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 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: 25.4 inches

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

Typical profile:

H1--0 to 6 inches; peat

H2--6 to 42 inches; mucky peat

H3--42 to 60 inches; fine sandy loam

536--Dawson Muck

Component Description

Dawson 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 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: 14.4 inches

Content of organic matter in the upper 10 inches: 75.0 percent

Typical profile:

H1--0 to 3 inches; mucky peat

H2--3 to 30 inches; muck

H3--30 to 60 inches; sand

537--Lobo Peat

Component Description

Lobo 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: At 1.0 foot all year

Ponding: None

Available water capacity to a depth of 60 inches: 34.1 inches

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

Typical profile:

H1--0 to 42 inches; peat

H2--42 to 60 inches;

538--Waskish Peat

Component Description

Waskish 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):

1.0 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: 35.9 inches

Content of organic matter in the upper 10 inches: 94.5 percent

Typical profile:

H1--0 to 66 inches; peat

549--Greenwood Peat

Component Description

Greenwood 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):

0.5 foot

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: None

Available water capacity to a depth of 60 inches: 31.9 inches

Content of organic matter in the upper 10 inches: 65.0 percent

Typical profile:

H1--0 to 20 inches; peat

H2--20 to 70 inches;

975--Ahmeek-Omega Complex, 0 To 2 Percent Slopes

Component Description

Ahmeek and similar soils

Extent: 50 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: 9.5 inches

Content of organic matter in the upper 10 inches: 1.0 percent

Typical profile:

H1--0 to 2 inches; loam

H2--2 to 16 inches; loam

H3--16 to 60 inches; fine sandy loam

H4--60 to 75 inches; fine sandy loam

Omega and similar soils

Extent: 35 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: Somewhat excessively drained

Flooding: None

Ponding: None

Available water capacity to a depth of 60 inches: 4.1 inches

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

Typical profile:

H1--0 to 10 inches; loamy sand

H2--10 to 60 inches; sand

975C--Ahmeek-Omega Complex, 2 To 12 Percent Slopes

Component Description

Ahmeek and similar soils

Extent: 50 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: 9.5 inches
Content of organic matter in the upper 10 inches: 1.0 percent
Typical profile:
H1--0 to 2 inches; loam
H2--2 to 16 inches; loam
H3--16 to 60 inches; fine sandy loam
H4--60 to 75 inches; fine sandy loam

Omega and similar soils

Extent: 35 percent of the unit
Slope range: 2 to 12 percent
Surface layer texture: Loamy 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: 4.1 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
H1--0 to 10 inches; loamy sand
H2--10 to 60 inches; sand

975E--Ahmeek-Omega Complex, 12 To 25 Percent Slopes

Component Description

Ahmeek and similar soils

Extent: 50 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: 9.5 inches
Content of organic matter in the upper 10 inches: 1.0 percent
Typical profile:
H1--0 to 2 inches; loam
H2--2 to 16 inches; loam
H3--16 to 60 inches; fine sandy loam
H4--60 to 75 inches; fine sandy loam

Omega and similar soils

Extent: 35 percent of the unit
Slope range: 12 to 25 percent
Surface layer texture: Loamy 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: 4.1 inches
Content of organic matter in the upper 10 inches: 1.2 percent
Typical profile:
H1--0 to 10 inches; loamy sand
H2--10 to 60 inches; sand

976C--Campia-Ontonagon Complex, 2 To 12 Percent Slopes

Component Description

Campia and similar soils

Extent: 50 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: 11.2 inches

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

Typical profile:

H1--0 to 7 inches; silt loam

H2--7 to 9 inches; silty clay loam

H3--9 to 16 inches; silty clay loam

H4--16 to 40 inches; silt loam

H5--40 to 60 inches; stratified silty clay loam to fine sand

Ontonagon and similar soils

Extent: 35 percent of the unit

Slope range: 2 to 12 percent

Surface layer texture: Silty clay

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: 0.8 percent

Typical profile:

H1--0 to 3 inches; silty clay

H2--3 to 6 inches; silty clay

H3--6 to 24 inches; clay

H4--24 to 60 inches; clay

977G--Cloquet-Emmert Complex, 25 To 60 Percent Slopes

Component Description

Cloquet and similar soils

Extent: 50 percent of the unit

Slope range: 25 to 60 percent

Surface layer texture: Fine 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: 3.8 inches

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

Typical profile:

H1--0 to 8 inches; fine sandy loam

H2--8 to 14 inches; very fine sandy loam

H3--14 to 36 inches; gravelly loamy coarse sand

H4--36 to 60 inches; stratified gravel to coarse sand

Emmert and similar soils

Extent: 35 percent of the unit
Slope range: 25 to 60 percent
Surface layer texture: Gravelly fine 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: 2.7 inches
Content of organic matter in the upper 10 inches: 0.7 percent
Typical profile:
 H1--0 to 9 inches; gravelly fine sandy loam
 H2--9 to 60 inches; very gravelly coarse sand

980--Blackhoof And Mahtowa Soils

Component Description

Blackhoof 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: At the surface all year
Ponding: At 0.5 foot all year
Available water capacity to a depth of 60 inches: 14.5 inches
Content of organic matter in the upper 10 inches: 37.5 percent
Typical profile:
 H1--0 to 11 inches; muck
 H2--11 to 15 inches; silty clay loam
 H3--15 to 60 inches; loam

Mahtowa and similar soils

Extent: 50 percent of the unit
Geomorphic description:
 Depression
Slope range: 0 to 1 percent
Surface layer texture: Silt 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 July October November
 December
Wet soil moisture status is lowest (depth, months):
 More than 6.0 feet August September
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: 5.0 percent
Typical profile:
 H1--0 to 11 inches; silt loam
 H2--11 to 21 inches; silt loam

H3--21 to 60 inches; loam

990--Twig And Parent Soils

Component Description

Parent and similar soils

Extent: 50 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: At the surface all year

Ponding: At 0.5 foot all year

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

Content of organic matter in the upper 10 inches: 4.3 percent

Typical profile:

H1--0 to 6 inches; silty clay loam

H2--6 to 18 inches; loam

H3--18 to 53 inches; fine sandy loam

H4--53 to 60 inches; fine sandy loam

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; mucky silt loam

H3--20 to 26 inches; loam

H4--26 to 48 inches; fine sandy loam

H5--48 to 72 inches; fine sandy loam

1005--Fluvaquents

Component Description

Fluvaquents and similar soils

Extent: 100 percent of the unit

Geomorphic description:

Flood plain

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; stratified loamy sand to silt loam

1020--Udorthents

Component Description

Udorthents and similar soils

Extent: 100 percent of the unit
Slope range: 25 to 50 percent
Surface layer texture: 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: 9.0 inches
Content of organic matter in the upper 10 inches: 0.8 percent
Typical profile:
 H1--0 to 60 inches; clay loam
 H2--60 to 80 inches; variable

1073--Borofolists

Component Description

Borofolists and similar soils

Extent: 100 percent of the unit
Slope range: 1 to 12 percent
Depth to restrictive feature:
 Very deep (more than 60 inches)
Flooding: None
Ponding: None

1074--Borosaprists

Component Description

Borosaprists and similar soils

December
Wet soil moisture status is lowest (depth, months):
More than 6.0 feet August September
Ponding: At 0.5 foot all year
Available water capacity to a depth of 60 inches: 9.4 inches
Typical profile:
H1--0 to 3 inches;
H2--3 to 19 inches; loam
H3--19 to 45 inches; clay loam
H4--45 to 60 inches; loam

V337--Warman Fine Sandy Loam

Component Description

Oesterle and similar soils
Extent: 100 percent of the unit
Slope range: 0 to 2 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: 4.5 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 20 inches; loam
H3--20 to 60 inches; gravelly sand