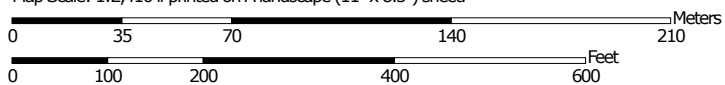

Appendix C

Soil Information

Soil Map—Chippewa County, Wisconsin (Soils Map)



Map Scale: 1:2,410 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84



**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

4/14/2015
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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Chippewa County, Wisconsin
Survey Area Data: Version 10, Sep 9, 2014

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 6, 2011—Sep 10, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Chippewa County, Wisconsin (WI017)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AfB	Alban fine sandy loam, 2 to 6 percent slopes	5.5	24.9%
AnB	Antigo silt loam, 1 to 6 percent slopes	0.3	1.4%
CkC2	Chetek sandy loam, 6 to 12 percent slopes, eroded	15.0	68.4%
CkD2	Chetek-Mahtomedi complex, 12 to 25 percent slopes, eroded	1.2	5.3%
Totals for Area of Interest		21.9	100.0%

Chippewa County, Wisconsin

CkC2—Chetek sandy loam, 6 to 12 percent slopes, eroded

Map Unit Setting

National map unit symbol: g4m2

Elevation: 800 to 1,950 feet

Mean annual precipitation: 28 to 33 inches

Mean annual air temperature: 39 to 45 degrees F

Frost-free period: 120 to 135 days

Farmland classification: Not prime farmland

Map Unit Composition

Chetek and similar soils: 100 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Chetek

Setting

Landform: Stream terraces, end moraines, outwash plains

Landform position (two-dimensional): Backslope, shoulder

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Convex

Typical profile

Ap - 0 to 8 inches: sandy loam

E - 8 to 13 inches: sandy loam

Bt1 - 13 to 17 inches: gravelly loamy sand

2Bt2,2C - 17 to 60 inches: stratified coarse sand to sand

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Somewhat excessively drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 3.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: B

Other vegetative classification: Low AWC, adequately drained (G090BY002WI)

Chippewa County, Wisconsin

CkD2—Chetek-Mahtomedi complex, 12 to 25 percent slopes, eroded

Map Unit Setting

National map unit symbol: g4m3

Elevation: 670 to 1,950 feet

Mean annual precipitation: 22 to 33 inches

Mean annual air temperature: 36 to 45 degrees F

Frost-free period: 88 to 142 days

Farmland classification: Not prime farmland

Map Unit Composition

Chetek and similar soils: 55 percent

Mahtomedi and similar soils: 45 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Chetek

Setting

Landform: End moraines, outwash plains

Landform position (two-dimensional): Backslope, shoulder

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Thin loamy drift over stratified sandy and gravelly outwash

Typical profile

Ap - 0 to 8 inches: sandy loam

E - 8 to 13 inches: sandy loam

Bt1 - 13 to 17 inches: gravelly loamy sand

2Bt2,2C - 17 to 60 inches: stratified coarse sand to sand

Properties and qualities

Slope: 12 to 25 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Somewhat excessively drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 3.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Other vegetative classification: Low AWC, adequately drained with limitations (G105XY003WI)

Description of Mahtomedi

Setting

Landform: End moraines, outwash plains

Landform position (two-dimensional): Backslope, shoulder

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Sandy and gravelly outwash

Typical profile

Ap - 0 to 8 inches: loamy sand

Bw1 - 8 to 18 inches: sand

Bw2 - 18 to 24 inches: gravelly sand

C - 24 to 60 inches: sand

Properties and qualities

Slope: 12 to 25 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Excessively drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Available water storage in profile: Low (about 4.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6s

Hydrologic Soil Group: A

Other vegetative classification: Low AWC, adequately drained with limitations (G105XY003WI)

Chippewa County, Wisconsin

AfB—Alban fine sandy loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: g4kz

Elevation: 800 to 2,000 feet

Mean annual precipitation: 24 to 33 inches

Mean annual air temperature: 36 to 45 degrees F

Frost-free period: 90 to 135 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Alban and similar soils: 100 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Alban

Setting

Landform: Stream terraces, lake plains

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Tread

Down-slope shape: Linear, concave

Across-slope shape: Concave

Parent material: Loamy lacustrine deposits

Typical profile

Ap - 0 to 8 inches: fine sandy loam

E,E/B,B/E - 8 to 24 inches: very fine sandy loam

Bt,BC - 24 to 38 inches: very fine sandy loam

C - 38 to 60 inches: stratified sandy loam to silt loam

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Moderately well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: About 24 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Moderate (about 8.5 inches)