U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SOIL MAP

BARRON COUNTY–WISCONSIN

SOUTHEASTERN SHEET

UNIVERSITY OF WISCONSIN
AGRICULTURAL EXPERIMENT STATION AND
GEOLOGICAL AND NATURAL HISTORY SURVEY

Inspection and correlation by: Iver J. Nygard, U. S. Department of Agriculture, and R. J. Muckenhirn, Wisconsin Agricultural Experiment Station.
Soils mapped 1940-47 by Glenn H. Robinson and Anton J. Vessel, in Charge, and R. A. Erickson, W. W. Carter, E. F. Nelson, S. W. Torrence, and S. E. Wilke, U. S. Department of Agriculture, and E. T. Barnes, F. J. Carlisle, M. A. Fosberg, E. J. Graul, F. D. Hole, A. J. Klingelhoets, R. J. Muckenhirn, L. B. Nelson, J. G. Ouellette, and S. Rieger, University of Wisconsin.

1:31,680
1 ½ 0 1 2 Miles
5 000 0 5 000 10 000 Feet

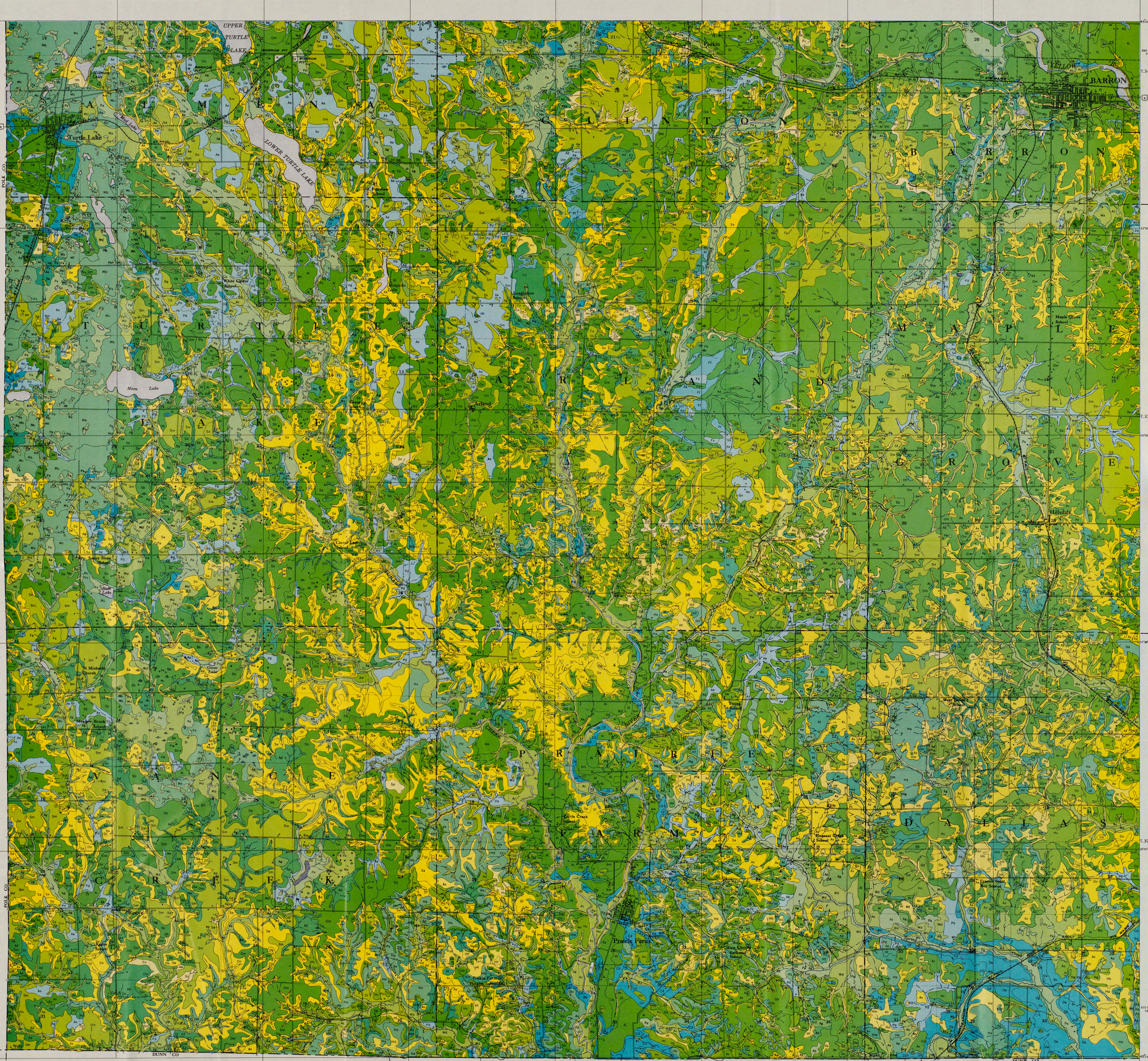
Map constructed by Division of Cartography, Soil Conservation Service, USDA, from 1938-39 aerial photographs.
Soils surveyed on 1938-39 aerial photographs.
Polyconic projection, 1927 North American datum.
10 000-foot grid based on Wisconsin (Central) rectangular coordinate system.

☆ U. S. GOVERNMENT PRINTING OFFICE : 1956 O—380917

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SOIL MAP
BARRON COUNTY–WISCONSIN
SOUTHWESTERN SHEET

UNIVERSITY OF WISCONSIN
AGRICULTURAL EXPERIMENT STATION AND
GEOLOGICAL AND NATURAL HISTORY SURVEY



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Scale 1:31,680

1 ½ 0 1 2 Miles

5 000 0 5 000 10 000 Feet

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U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SOIL MAP

BARRON COUNTY–WISCONSIN

NORTHEASTERN SHEET

UNIVERSITY OF WISCONSIN
AGRICULTURAL EXPERIMENT STATION AND
GEOLOGICAL AND NATURAL HISTORY SURVEY

Inspection and correlation by: Iver J. Nygard, U. S. Department of Agriculture, and R. J. Muckenhirn, Wisconsin Agricultural Experiment Station.
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Scale 1:31,680

1 ½ 0 1 2 Miles

5000 0 5000 10 000 Feet

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10000-foot grid based on Wisconsin (Central) rectangular coordinate system.

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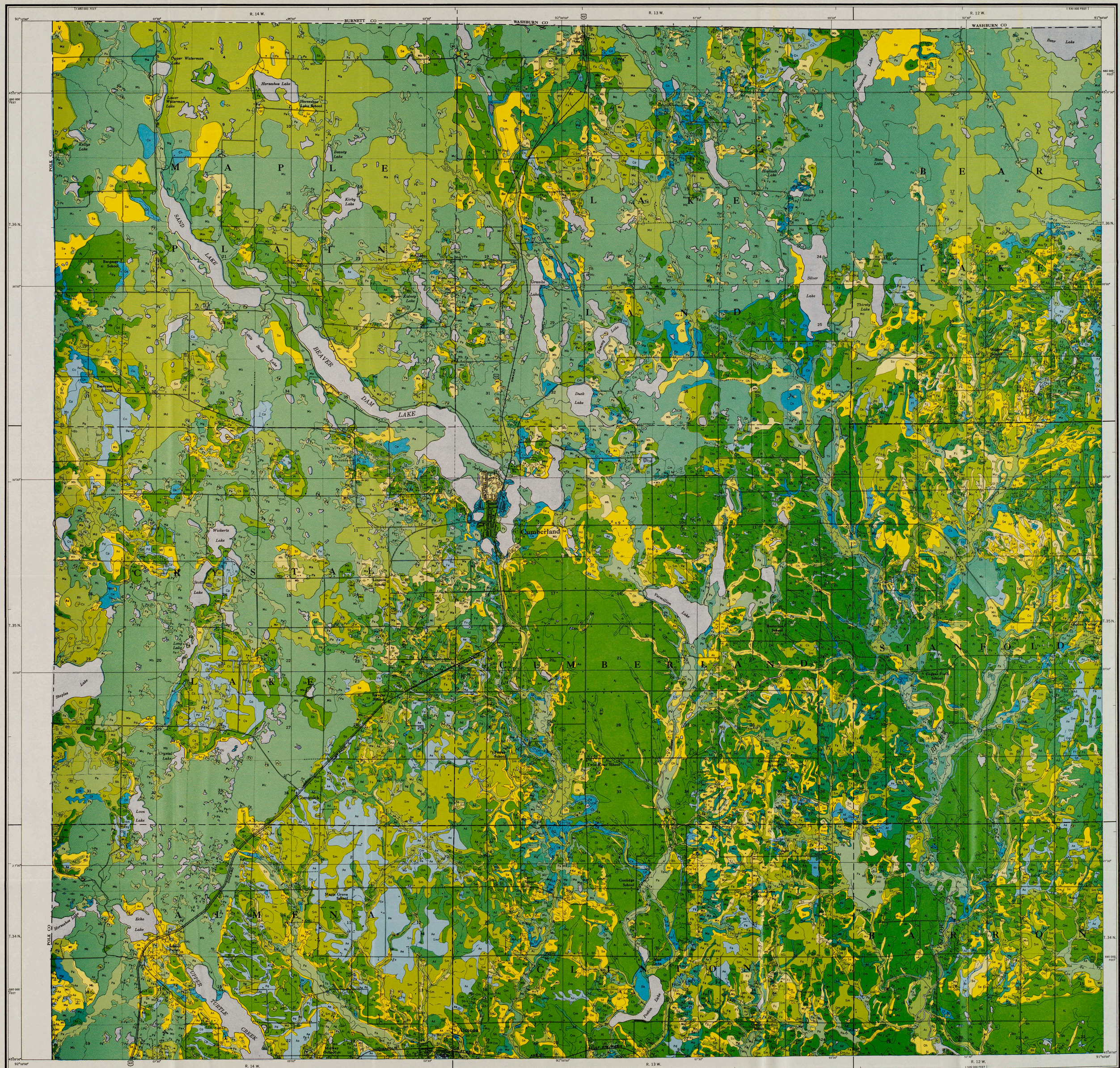
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SOIL MAP

BARRON COUNTY—WISCONSIN

NORTHWESTERN SHEET

UNIVERSITY OF WISCONSIN
AGRICULTURAL EXPERIMENT STATION AND
GEOLOGICAL AND NATURAL HISTORY SURVEY



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Scale 1:31,680

1 ½ 0 1 2 Miles

5 000 0 5 000 10 000 Feet

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U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

LEGEND SHEET
BARRON COUNTY - WISCONSIN

UNIVERSITY OF WISCONSIN
AGRICULTURAL EXPERIMENT STATION AND
GEOLOGICAL AND NATURAL HISTORY SURVEY

LEGEND

Aa Adolph silt loam	Ba Barronett loam	Fb Freeon silt loam, nearly level	Mf Milaca fine sandy loam, sloping	Pc Pitted outwash, rolling
Ab Adolph stony silt loam	Bb Barronett silt loam	Fc Freeon silt loam, sloping	Mg Milaca fine sandy loam, strongly sloping	Pd Poskin silt loam
Ac Alluvial land	Bc Boone loamy fine sand, gently sloping	Fd Freer silt loam, gently sloping	Mh Milaca silt loam, gently rolling	Ra Riverwash
Ad Almena silt loam, gently sloping	Bd Boone loamy fine sand, steep	Fe Freer silt loam, nearly level	Mk Milaca silt loam, gently sloping	Sa Santiago silt loam, eroded, sloping
Ae Almena silt loam, nearly level	Be Boone loamy fine sand, strongly sloping	Ff Freer silt loam, sloping	Ml Milaca silt loam, hilly	Sb Santiago silt loam, gently sloping
Af Almena silt loam, sloping	Bg Brill silt loam, gently sloping	Fg Freer stony silt loam, gently sloping	Mm Milaca silt loam, rolling	Sc Santiago silt loam, moderately steep
Ag Almena stony silt loam, gently sloping	Bh Brill silt loam, nearly level	Ga Gale silt loam, eroded, sloping and strongly sloping	Mn Milaca silt loam, sloping	Sd Santiago silt loam, nearly level
Ah Altoona silt loam	Bk Burkhardt loams and sandy loams	Gb Gale silt loam, gently sloping	Mo Milaca silt loam, steep	Se Santiago silt loam, sloping
Ai Antigo silt loam, gently sloping	Ca Campia silt loam, gently sloping	Gc Gale silt loam, sloping	Mp Milaca silt loam, strongly sloping	Sf Santiago silt loam, strongly sloping
Aj Antigo silt loam, nearly level	Cb Campia silt loam, nearly level	Gd Gale silt loam, strongly sloping	Mr Milaca silt loam, undulating	Sg Santiago stony silt loam, sloping
Ak Antigo silt loam, shallow, gently rolling	Cc Chetek sandy loam, gently rolling	Ha Hixton fine sandy loam, eroded, steep	Oa Omega loamy sand, gently sloping	Sh Santiago stony silt loam, steep
Al Antigo silt loam, shallow, gently sloping	Cd Chetek sandy loam, gently sloping	Hb Hixton fine sandy loam, eroded, strongly sloping	Ob Omega loamy sand, gravelly subsoil, gently sloping	Sk Santiago stony silt loam, strongly sloping
Am Antigo silt loam, shallow, nearly level	Ce Chetek sandy loam, nearly level	Hc Hixton fine sandy loam, moderately steep	Oc Omega loamy sand, gravelly subsoil, nearly level	Sl Scott Lake sandy loam
An Antigo silt loam, shallow sloping	Cf Chetek sandy loam, shallow, gently sloping	Hd Hixton fine sandy loam, sloping	Od Omega loamy sand, gravelly subsoil, sloping and strongly sloping	Sm Spencer silt loam, gently sloping
Ao Antigo silt loam, sloping	Cg Chetek sandy loam, shallow, nearly level	He Hixton fine sandy loam, steep	Oe Omega loamy sand, nearly level	Sn Spencer silt loam, nearly level
Ap Arland fine sandy loam, eroded, strongly sloping	Ch Chetek sandy loam, sloping	Hf Hixton fine sandy loam, strongly sloping	Of Omega loamy sand, sloping	So Spencer silt loam, sloping
Aq Arland fine sandy loam, gently sloping	Ck Chetek sandy loam, undulating	Hg Hixton loam, eroded, strongly sloping	Og Omega loamy sand, strongly sloping	Sp Stony steep land
Ar Arland fine sandy loam, moderately steep and steep	Cl Cloquet sandy loam, hilly	Hh Hixton loam, gently sloping	Oh Onamia loam, gently rolling	Ta Terrace escarpment, moderately steep
As Arland fine sandy loam, sloping	Cm Cloquet sandy loam, rolling and hilly	Hk Hixton loam, moderately steep	Ok Onamia loam, gently sloping	Tb Terrace escarpment, strongly sloping
At Arland fine sandy loam, strongly sloping	Cn Cloquet sandy loam, undulating and gently rolling	Hl Hixton loam, sloping	Ol Onamia loam, nearly level	Wa Wallkill silt loam
Au Arland silt loam, eroded, strongly sloping	Co Comstock loam	Hm Hixton loam, strongly sloping	Om Otterholt silt loam, gently sloping	Wb Warman loamy fine sand
Av Arland silt loam, gently sloping	Cp Comstock silt loam	Ma Milaca-Cloquet-Peat complex, gently rolling	On Otterholt silt loam, nearly level	Wc Warman loamy sand, gravelly subsoil
Aw Arland silt loam, moderately steep	Cr Crystal Lake loam	Mb Milaca-Cloquet-Peat complex, hilly	Oo Otterholt silt loam, sloping	Wd Warman silt loam
Ax Arland silt loam, sloping	Cs Crystal Lake silt loam	Mc Milaca-Cloquet-Peat complex, rolling	Op Otterholt silt loam, strongly sloping	
Ay Arland silt loam, strongly sloping	Ct Chaseburg silt loam	Md Milaca-Cloquet-Peat complex, undulating	Pa Peat and muck	
Az Auburndale silt loam	Fa Freeon silt loam, gently sloping	Me Milaca fine sandy loam, gently sloping	Pb Pitted outwash, hilly	

COLOR GROUPING

1 – GOOD CROPLAND

A - WELL-DRAINED SILTY SOILS ON NEARLY LEVEL TERRACES AND UPLANDS
- Antigo silt loam, nearly level
- Antigo silt loam, shallow, nearly level
- Campia silt loam, nearly level
- Otterholt silt loam, nearly level
- Santiago silt loam, nearly level

B - WELL-DRAINED SILTY SOILS ON GENTLY SLOPING TERRACES AND UPLANDS
- Antigo silt loam, gently sloping
- Antigo silt loam, shallow, gently sloping
- Arland silt loam, gently sloping
- Campia silt loam, gently sloping
- Gale silt loam, gently sloping
- Otterholt silt loam, gently sloping
- Santiago silt loam, gently sloping

C - WELL-DRAINED MAINLY LOAMY SOILS ON NEARLY LEVEL AND GENTLY SLOPING TERRACES AND UPLANDS
- Onamia loam, nearly level
- Onamia loam, gently sloping
- Milaca silt loam, gently sloping

2 – FAIR TO GOOD CROPLAND

A - WELL-DRAINED LOAMY SOILS ON GENTLY SLOPING UPLANDS
- Arland fine sandy loam, gently sloping
- Hixton loam, gently sloping
- Milaca fine sandy loam, gently sloping

B - WELL-DRAINED LOAMY SOILS ON SLOPING UPLANDS AND GENTLY ROLLING TERRACES
- Arland fine sandy loam, sloping
- Hixton fine sandy loam, sloping
- Hixton loam, sloping
- Milaca fine sandy loam, sloping
- Milaca silt loam, sloping
- Onamia loam, gently rolling

C - WELL-DRAINED SILTY SOILS ON SLOPING UPLANDS AND GENTLY ROLLING AND SLOPING TERRACES
- Antigo silt loam, sloping
- Antigo silt loam, shallow, gently rolling
- Arland silt loam, sloping
- Gale silt loam, sloping
- Otterholt silt loam, sloping
- Santiago silt loam, sloping
- Santiago silt loam, eroded, sloping

D - WELL-DRAINED MAINLY SILTY SOILS ON STRONGLY SLOPING UPLANDS AND SLOPING TERRACES
- Antigo silt loam, shallow, sloping
- Arland silt loam, strongly sloping
- Otterholt silt loam, strongly sloping
- Santiago silt loam, strongly sloping

E - MODERATELY WELL DRAINED SILTY SOILS ON NEARLY LEVEL TERRACES AND UPLANDS
- Brill silt loam, nearly level
- Crystal Lake silt loam
- Freeon silt loam, nearly level
- Spencer silt loam, nearly level

F - MODERATELY WELL DRAINED MAINLY LOAMY SOILS ON NEARLY LEVEL TERRACES
- Crystal Lake loam
- Scott Lake sandy loam

G - MODERATELY WELL DRAINED MAINLY SILTY SOILS ON GENTLE SLOPES OF UPLANDS, TERRACES, AND LOCAL ALLUVIAL LAND
- Brill silt loam, gently sloping
- Chaseburg silt loam
- Freeon silt loam, gently sloping
- Milaca silt loam, undulating
- Spencer silt loam, gently sloping

H - MODERATELY WELL DRAINED SILTY SOILS ON SLOPING AND GENTLY ROLLING UPLANDS
- Freeon silt loam, sloping
- Milaca silt loam, gently rolling
- Spencer silt loam, sloping

I - SOMEWHAT POORLY DRAINED SILTY SOILS ON GENTLY SLOPING UPLANDS
- Almena silt loam, gently sloping
- Freer silt loam, gently sloping

3 – FAIR TO POOR CROPLAND

A - WELL-DRAINED LOAMY SOILS ON STRONGLY ROLLING UPLANDS
- Arland fine sandy loam, strongly sloping
- Hixton fine sandy loam, strongly sloping
- Hixton loam, strongly sloping
- Milaca fine sandy loam, strongly sloping
- Milaca silt loam, strongly sloping

B - EXCESSIVELY DRAINED SANDY SOILS ON GENTLY ROLLING AND SLOPING TERRACES AND UNDULATING AND GENTLY ROLLING UPLANDS
- Cloquet sandy loam, undulating and gently rolling
- Chetek sandy loam, sloping
- Chetek sandy loam, gently rolling
- Omega loamy sand, sloping

C - EXCESSIVELY DRAINED SANDY SOILS ON NEARLY LEVEL AND GENTLY SLOPING TERRACES
- Burkhardt loams and sandy loams
- Chetek sandy loam, nearly level
- Chetek sandy loam, gently sloping
- Chetek sandy loam, undulating
- Chetek sandy loam, shallow, nearly level
- Chetek sandy loam, shallow, gently sloping

D - EXCESSIVELY DRAINED VERY SANDY SOILS ON NEARLY LEVEL AND GENTLY SLOPING TERRACES AND GENTLY SLOPING UPLANDS
- Boone loamy fine sand, gently sloping
- Omega loamy sand, nearly level
- Omega loamy sand, gravelly subsoil, nearly level
- Omega loamy sand, gently sloping
- Omega loamy sand, gravelly subsoil, gently sloping

E - SOMEWHAT POORLY DRAINED SILTY SOILS ON NEARLY LEVEL UPLANDS AND TERRACES
- Almena silt loam, nearly level
- Comstock silt loam
- Comstock loam
- Freer silt loam, nearly level
- Poskin silt loam

F - SOMEWHAT POORLY DRAINED MAINLY SILTY SOILS OF SLOPING UPLANDS
- Almena silt loam, sloping
- Altoona silt loam
- Freer silt loam, sloping

4 – POOR TO VERY POOR CROPLAND

A - WELL-DRAINED MAINLY LOAMY SOILS OF ROLLING TO STEEP UPLANDS AND PITTED OUTWASH
- Arland fine sandy loam, moderately steep and steep
- Hixton fine sandy loam, moderately steep
- Milaca silt loam, rolling
- Pitted outwash, rolling

B - WELL-DRAINED MAINLY SILTY SOILS OF STRONGLY SLOPING AND MODERATELY STEEP UPLANDS
- Arland silt loam, moderately steep
- Gale silt loam, strongly sloping
- Hixton loam, moderately steep
- Santiago silt loam, moderately steep

C - WELL-DRAINED ERODED SOILS ON SLOPING AND STRONGLY SLOPING UPLANDS
- Arland silt loam, eroded, strongly sloping
- Gale silt loam, eroded, sloping and strongly sloping
- Hixton loam, eroded, strongly sloping

D - WELL AND SOMEWHAT POORLY DRAINED STONY SOILS ON GENTLY SLOPING TO STRONGLY SLOPING UPLANDS
- Almena stony silt loam, gently sloping
- Freer stony silt loam, gently sloping
- Santiago stony silt loam, sloping
- Santiago stony silt loam, strongly sloping

E - POORLY AND VERY POORLY DRAINED SOILS ON MAINLY NEARLY LEVEL TOPOGRAPHY
- Adolph silt loam
- Alluvial land
- Auburndale silt loam
- Barronett silt loam
- Barronett loam
- Milaca-Cloquet-Peat complex, undulating
- Milaca-Cloquet-Peat complex, gently rolling
- Wallkill silt loam
- Warman silt loam
- Warman loamy fine sand
- Warman loamy sand, gravelly subsoil

5 – VERY POOR CROPLAND

A - WELL-DRAINED SOILS MAINLY ON HILLY AND STEEP UPLANDS AND STONY STEEP LAND
- Hixton fine sandy loam, steep
- Milaca silt loam, hilly
- Milaca silt loam, steep
- Milaca-Cloquet-Peat complex, rolling
- Milaca-Cloquet-Peat complex, hilly
- Santiago stony silt loam, steep
- Stony steep land

B - WELL-DRAINED ERODED SOILS ON STRONGLY SLOPING AND STEEP UPLANDS
- Arland fine sandy loam, eroded, strongly sloping
- Hixton fine sandy loam, eroded, strongly sloping
- Hixton fine sandy loam, eroded, steep

C - EXCESSIVELY DRAINED SANDY SOILS ON ROLLING TO STEEP SLOPES, PITTED OUTWASH, AND TERRACE ESCARPMENTS
- Boone loamy fine sand, strongly sloping
- Boone loamy fine sand, steep
- Cloquet sandy loam, rolling and hilly
- Cloquet sandy loam, hilly
- Omega loamy sand, strongly sloping
- Omega loamy sand, gravelly subsoil, sloping and strongly sloping
- Pitted outwash, hilly
- Terrace escarpment, strongly sloping
- Terrace escarpment, moderately steep

D - VERY POORLY DRAINED SOILS ON NEARLY LEVEL SLOPES
- Adolph stony silt loam
- Peat and muck
- Riverwash

CONVENTIONAL SIGNS

CULTURE
(Printed in black)

- City or Village, Roads, Buildings, Wharves, Jetties, Breakwater, Levee, Lighthouse, Fort
- Secondary roads, Trails
- Railroads
- Bridges, Ferry
- Railroad crossings
- Ford, Dam, Sawmill, Windmill
- Boundary lines
- School, Church, Creamery, Cemeteries
- Boundary lines
- Triangulation station, Boundary monument, Oil or Gas wells
- U. S. Township and Section lines, Recovered corners
- Forest fire station, Airway beacon, Oil or Gas tanks
- Transmission line, Oil or Gas pipe line
- Mine or Quarry, Gravel pit, Rock outcrop, Made land
- Soil boundaries; Stony, Gravelly, and Cherty areas

RELIEF
(Printed in brown or black)

- Contours, Depression contours
- Prominent hills or Mountain peaks
- Sand, Wash, Sand dunes
- Bluff, Escarpment, Mine dumps

DRAINAGE
(Printed in blue)

- Streams, Springs, Wells, Flowing wells
- Lakes, Ponds, Intermittent lakes
- Intermittent streams Crossable with farm machinery Not crossable with farm machinery
- Canals, Ditches
- Swamp, Salt marsh
- Submerged marsh, Tidal flats

DEPRESSIONS
- Easy to cultivate across
- Difficult to cultivate across

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SOILS OF BARRON COUNTY, WISCONSIN: SUMMARY OF IMPORTANT CHARACTERISTICS

Soil	Map symbol	Range of slope	Surface soil	Subsoil	Parent material or substratum	Soil depth [1]	Drainage		Surface runoff	Water-holding capacity	Erosion hazard	Natural fertility	Workability	Present use	Management subgroup
							Surface soil	Subsoil							
		Percent				*Inches*									
Adolph silt loam	AA	0–2	Very dark gray to nearly black, friable, medium acid silt loam; slightly mottled in lower part.	Gray, mottled with yellowish-brown, neutral silty clay loam; moderately plastic and sticky when wet.	Reddish-brown, highly mottled, neutral gravelly sandy glacial till; often saturated with water.	33–48	Very slow	Very slow	Ponded	High	None	Moderate	Very difficult.	Marsh grasses, sedges, ash, elm, alder, and aspen.	4–E
Adolph stony silt loam	AB	0–6	Very dark gray, friable, very strongly acid stony silt loam.	Same	Same	30–40	Very slow	Very slow	Ponded	High	None	Moderate	Very difficult.	Same	5–D
Alluvial land	AC		Dark-brown to dark grayish-brown, friable, slightly acid loam, silt loam, or fine sandy loam.	Brownish-gray to grayish-brown, usually mottled, neutral, friable loam to silt loam.	Recent alluvium, which may include many small areas of various other materials.	12–30	Moderate	Moderate	Very slow	Variable	Frequent overflow.	Moderate	Very difficult.	Various grasses, ash, elm, aspen; used primarily for forest or pasture.	4–E
Almena silt loam:															
Nearly level	AE	0–2	Grayish-brown to pale-brown, medium platy, friable, moderately acid silt loam; usually mottled in the lower part.	Yellowish-brown to light yellowish-brown, mottled, moderately plastic, strongly acid silty clay loam.	Yellowish-brown silt and reddish-brown, moderately compact glacial till; thickness of silt and till ranges from 6 to 18 inches.	30–42	Slow	Slow	Very slow	High	Slight	Moderate	Moderately difficult.	Hay, oats, corn, pasture, and some forest.	3–E
Gently sloping	AD	2–6	Same	Same	Same	30–42	Slow	Slow	Slow	High	Slight	Moderate	Moderately difficult.	Same	2–I
Sloping	AF	6–10	Same	Same	Same	28–40	Slow	Slow	Medium	High	Moderate	Moderate	Moderately difficult.	Hay, oats, pasture, and forest.	3–F
Almena stony silt loam, gently sloping.	AG	0–6	Grayish-brown to pale-brown, medium platy, friable, moderately acid silt loam; usually mottled in the lower part; numerous stones and boulders on surface and throughout soil.	Same	Same	28–38	Slow	Slow	Very slow	High	Slight	Moderate	Very difficult.	Forest and some pasture	4–D
Altoona silt loam	AH	2–6	Dark-gray to brownish-gray, weak platy, friable, acid silt loam.	Dark brownish-gray to light-gray, highly mottled, moderate blocky, acid sandy clay loam.	Yellowish-brown mottled fine sand or loamy sand; profile has developed from a shallow till deposit or sediments from till, over sandstone.	24–36	Moderate	Slow	Very slow	High	Slight	Moderate	Moderately difficult.	Hay, oats, corn, pasture, and some forest.	3–F
Antigo silt loam:															
Nearly level	AJ	0–2	Brownish-gray to yellowish-brown, weak platy, strongly acid, friable silt loam.	Reddish-brown to moderate-brown medium blocky, strongly acid silty clay loam.	Moderate yellowish-brown, massive, acid, moderately friable silt loam; underlain by stratified sand and gravel.	30–42	Moderate	Moderate	Very slow	High	Slight	Moderate	Easy	Corn, oats, hay, potatoes, and some pasture.	1–A
Gently sloping	AI	2–6	Same	Same	Same	30–42	Moderate	Moderate	Slow	High	Moderate	Moderate	Easy	Same	1–B
Sloping	AO	6–10	Same	Same	Same	28–36	Moderate	Moderate	Medium	High	Moderate	Moderate	Moderately difficult.	Same	2–C
Antigo silt loam, shallow:															
Nearly level	AM	0–2	Same	Same	Moderate-brown, stratified sand and gravel.	18–30	Moderate	Moderate	Very slow	Moderate	Slight	Moderate	Easy	Same	1–B
Gently sloping	AL	2–6	Same	Same	Same	18–30	Moderate	Moderate	Slow	Moderate	Moderate	Moderate	Easy	Same	1–C
Gently rolling	AK	6–10	Same	Same	Same	18–30	Moderate	Moderate	Medium	Moderate	Moderate	Moderate	Moderately difficult.	Same	2–C
Sloping	AN	10–20	Same	Same	Same	16–28	Moderate	Moderate	Rapid	Moderate	Great	Moderate	Moderately difficult.	Same	2–D
Arland silt loam:															
Gently sloping	AV	2–6	Brownish-gray to grayish-brown, strongly acid, friable, granular silt loam.	Brown to grayish-brown, firm blocky, strongly acid, light silty clay loam; contains considerable grit.	Yellowish-red to reddish-brown glacial till over sandstone; in places the till layer is very thin but soil profile indicates its presence.	20–34	Moderate	Moderate	Slow	High	Slight	Moderate	Easy	Corn, oats, hay, and some pasture.	1–B
Sloping	AX	6–10	Same	Same	Same	20–34	Moderate	Moderate	Medium	High	Moderate	Moderate	Moderately difficult.	Same	2–C
Strongly sloping	AY	10–15	Same	Same	Same	18–32	Moderate	Moderate	Rapid	Low	Great	Moderate	Moderately difficult.	Same	2–D
Eroded, strongly sloping	AU	10–15	Grayish-brown, strongly acid silt loam; contains considerable subsoil material; very low in organic matter.	Same	Same	14–28	Low	Moderate	Very rapid	Low	Great	Low	Very difficult.	Idle land, oats, hay, and pasture	4–C
Moderately steep	AW	15–20	Brownish-gray to grayish-brown, strongly acid, granular, friable silt loam.	Same	Same	18–32	Moderate	Moderate	Very rapid	Low	Great	Moderate	Difficult	Oats, hay, pasture, and some forest.	4–B
Arland fine sandy loam:															
Gently sloping	AQ	2–6	Grayish-brown, weak granular, strongly acid fine sandy loam; low in organic matter; often contains gravel and stones.	Brown to yellowish-brown, weak blocky, strongly acid, heavy fine sandy loam to sandy clay loam.	Yellowish-red to reddish-brown glacial till over yellowish sandstone; till is often thinner and more sandy than under the Arland silt loams.	18–32	Rapid	Moderate	Slow	Moderate	Slight	Low	Easy	Corn, oats, hay, and pasture	2–A
Sloping	AS	6–10	Same	Same	Same	18–32	Rapid	Moderate	Medium	Moderate	Moderate	Low	Moderately difficult.	Same	2–B
Strongly sloping	AT	10–15	Same	Same	Same	18–32	Rapid	Moderate	Rapid	Moderate	Moderate	Low	Moderately difficult.	Same	3–A
Eroded, strongly sloping	AP	10–15	Grayish-brown to yellowish-brown, strongly acid, heavy fine sandy loam; low in organic matter; contains considerable subsoil material.	Same	Same	18–32	Moderate	Moderate	Very rapid	Low	Great	Low	Very difficult.	Idle land, hay, pasture, and forest.	5–B
Moderately steep and steep	AR	15–30	Grayish-brown, weak granular, strongly acid, fine sandy loam; low in organic matter; often contains gravel and stones.	Same	Same	18–32	Rapid	Moderate	Very rapid	Low	Great	Low	Difficult	Hay, pasture, and forest	4–A
Auburndale silt loam	AZ	0–6	Gray, slightly mottled in lower part, acid, friable silt loam; somewhat sticky when wet; tends toward a platy structure.	Gray to light brownish-gray, mottled, blocky, acid, plastic, heavy silt loam.	Grayish-brown to yellowish-red, massive, heavy silt loam; underlain by reddish-brown glacial till.	32–44	Slow	Very slow	Ponded	High	None	Moderate	Very difficult.	Pasture or forest until drained; then oats, hay, pasture, and some corn.	4–E
Barronett silt loam	BB	0–2	Very dark gray to dark-gray, friable, strongly acid silt loam; thin platy to soft crumb structure; moderately plastic.	Gray to grayish-brown, mottled with yellowish red, strongly acid, massive silt loam; moderately plastic when wet.	Gray or pinkish-gray to brown, heavy silt loam; stratified below 34 inches and calcareous below 60 inches.	34–40	Very slow	Very slow	Ponded	High	None	Moderate	Very difficult.	Forest and some pasture or hay	4–E
Barronett loam	BA	0–2	Very dark gray, strongly acid, friable loam; may be influenced by overwash of sandy material.	Same	Same	34–40	Slow	Very slow	Ponded	High	None	Moderate	Very difficult.	Forest and some pasture or hay	4–E
Boone loamy fine sand:															
Gently sloping	BC	0–6	Grayish-brown to dark yellowish-brown, friable, strongly acid loamy fine sand; weak crumb structure.	Yellowish-brown to yellowish-red, strongly acid loamy fine sand; B horizon is very weakly developed.	Very pale brown to yellowish-brown loose sand; contains many fragments of sandstone bedrock.	12–28	Rapid	Rapid	Slow	Very slow	Slight	Very low	Easy	Forest and some hay, pasture, and oats.	3–D
Strongly sloping	BE	10–15	Same	Same	Same	10–25	Rapid	Rapid	Very rapid	Very slow	Moderate	Very low	Difficult	Forest and some pasture	5–C
Steep	BD	20–30	Same	Same	Same	10–20	Rapid	Rapid	Very rapid	Very slow	Moderate	Very low	Very difficult.	Forest	5–C
Borrow and gravel pits															
Brill silt loam:															
Nearly level	BH	0–2	Dark grayish-brown, fine platy, strongly acid, friable silt loam; soil aggregates are slightly vesicular.	Brown to reddish-brown, mottled, medium blocky, strongly acid, moderately plastic silty clay loam.	Reddish-brown to yellowish-brown stratified sand and gravel; in places a transition zone of sand, silt, and clay.	30–42	Moderate	Slow	Very slow	High	None	Moderate	Moderately difficult.	Corn, oats, hay, and pasture	2–E
Gently sloping	BG	2–6	Same	Same	Same	30–42	Moderate	Slow	Slow	High	Slight	Moderate	Moderately difficult.	Same	2–G
Burkhardt loams and sandy loams.	BK	0–6	Very dark brown to dark-brown, granular, strongly acid, friable loam.	Reddish-brown to brown, weak blocky, strongly acid sandy clay loam.	Dark reddish-brown to yellowish-brown, loose, stratified sand and gravel.	12–26	Rapid	Rapid	Very slow	Low	None	Moderate	Easy	Same	3–C
Campia silt loam:															
Nearly level	CB	0–2	Gray to brownish-gray, strongly acid, friable silt loam; well-developed platy structure breaks into soft granules.	Yellowish-brown to brown, moderate blocky, strongly acid, medium plastic silty clay loam.	Yellowish-brown, moderately acid silty clay loam; stratified below 40 inches and calcareous below 7 feet.	32–44	Moderate	Moderate	Very slow	High	Slight	Moderate	Easy	Same	1–A
Gently sloping	CA	2–6	Same	Same	Same	32–44	Moderate	Moderate	Slow	High	Moderate	Moderate	Easy	Same	1–B
Chaseburg silt loam	CT	2–6	Gray to brownish-gray silt loam	Yellowish-brown friable heavy silt loam subangular structure; some mottling.	Light brownish-gray to light yellowish-brown, mottled with gray, massive silt loam.	26–36	Moderate	Moderate	Medium	High	Moderate	Moderate	Easy	Same	2–G
Chetek sandy loam:															
Nearly level	CE	0–2	Brownish-gray to brown, strongly acid, rather loose sandy loam; weak crumb structure; becomes platy in lower part.	Dark yellowish-brown to reddish-brown, weak blocky, strongly acid loam; somewhat sticky in lower part.	Dark yellowish-brown to yellowish-red stratified mixtures of water-worn gravel and sand.	20–30	Rapid	Rapid	Very slow	Low	None	Low	Easy	Same	3–C
Gently sloping	CD	2–6	Same	Same	Same	20–30	Rapid	Rapid	Slow	Low	Slight	Low	Easy	Same	3–C
Sloping	CH	6–10	Same	Same	Same	20–30	Rapid	Rapid	Medium	Low	Slight	Low	Moderately difficult.	Same	3–B
Undulating	CK	0–6	Same	Same	Same	20–30	Rapid	Rapid	Slow	Low	Slight	Low	Moderately difficult.	Same	3–C
Gently rolling	CC	6–10	Same	Same	Same	20–30	Rapid	Rapid	Medium	Low	Slight	Low	Moderately difficult.	Same	3–B
Chetek sandy loam, shallow:															
Nearly level	CG	0–2	Grayish-brown to brown, strongly acid, loose, friable sandy loam; weak crumb structure.	Brown to reddish-brown, weak blocky, strongly acid loam.	Same	12–20	Rapid	Rapid	Very slow	Very low	None	Low	Easy	Oats, hay, pasture, and some corn.	3–C
Gently sloping	CF	2–6	Same	Same	Same	12–18	Rapid	Rapid	Slow	Very low	Slight	Low	Easy	Same	3–C
Cloquet sandy loam:															
Undulating and gently rolling.	CN	2–10	Yellowish-brown to grayish-brown, strongly acid, loose, friable sandy loam; weak crumb structure.	Yellowish-brown to yellowish-red, weak very fine blocky, strongly acid sandy loam.	Dark reddish-brown massive glacial till composed of light sandy clay loam to gravelly loam.	18–30	Rapid	Rapid	Medium	Very low	Moderate	Low	Moderately difficult.	Same	3–B
Rolling and hilly	CM	10–20	Same	Same	Same	16–26	Rapid	Rapid	Very rapid	Very low	Great	Low	Difficult	Same	5–C
Hilly	CL	15–30	Same	Same	Same	16–26	Rapid	Rapid	Very rapid	Very low	Great	Low	Very difficult.	Pasture and forest	5–C
Comstock silt loam	CP	0–2	Grayish-brown to gray, mottled, medium platy, strongly acid silt loam.	Brown to light-brown, mottled, moderately developed medium blocky, strongly acid silty clay loam.	Light brownish-gray mottled silt loam that contains some very fine sand and silty clay; becomes stratified with depth and calcareous below 7 feet.	32–44	Moderate	Slow	Very slow	High	None	Moderate	Easy	Oats, hay, pasture, some corn	3–E
Comstock loam	CO	0–2	Grayish-brown to gray, mottled, strongly acid loam; weak crumb structure; has been influenced by sandy overwash.	Same	Same	32–44	Moderate	Slow	Slow	High	Slight	Moderate	Easy	Same	3–E
Crystal Lake silt loam	CS	0–2	Grayish-brown to brown, strongly acid silt loam; platy structure; breaks into soft granules.	Brown to light-brown, mottled, weak blocky, strongly acid, friable silty clay loam.	Brown to yellowish-brown, mottled silty clay, very fine sand, and silt; becomes stratified in lower part and calcareous below 7 feet.	32–44	Moderate	Slow	Very slow	High	None	Moderate	Easy	Corn, oats, hay, and pasture	2–E
Crystal Lake loam	CR	0–2	Grayish-brown to dark reddish-brown, granular, strongly acid, very friable loam.	Same	Same	32–44	Moderate	Slow	Very slow	High	None	Moderate	Easy	Same	2–F
Freeon silt loam:															
Nearly level	FB	0–2	Very dark brown to brown, thin platy, strongly acid silt loam; contains some grit.	Brown to reddish-brown, mottled, medium blocky silty clay loam; slightly plastic and sticky.	Yellowish-red to reddish-brown glacial till.	16–28	Moderate	Slow	Very slow	High	None	Moderate	Easy	Same	2–E
Gently sloping	FA	2–6	Same	Same	Same	16–28	Moderate	Slow	Slow	High	Slight	Moderate	Easy	Same	2–G
Sloping	FC	6–10	Same	Same	Same	16–28	Moderate	Slow	Medium	High	Moderate	Moderate	Moderately difficult.	Same	2–H
Freer silt loam:															
Nearly level	FE	0–2	Very dark brown to grayish-brown, mottled, thin platy, strongly acid silt loam; may contain some grit.	Light brownish-gray, highly mottled, medium blocky silty clay loam; slightly plastic and sticky.	Same	16–28	Slow	Slow	Very slow	High	None	Moderate	Moderately difficult.	Same	3–E
Gently sloping	FD	2–6	Same	Same	Same	16–28	Slow	Slow	Slow	High	Slight	Moderate	Moderately difficult.	Same	2–I
Sloping	FF	6–10	Same	Same	Same	16–28	Slow	Slow	Medium	High	Moderate	Moderate	Difficult	Same	3–F
Freer stony silt loam, gently sloping.	FG	2–6	Very dark brown to grayish-brown, mottled, strongly acid silt loam; thin platy structure; may have some grit and many stones or boulders on surface and throughout the profile.	Light brownish-gray, highly mottled, medium blocky silty clay loam; slightly plastic and sticky when wet; contains numerous stones and boulders.	Same	14–26	Slow	Slow	Slow	High	Slight	Moderate	Very difficult.	Pasture and forest	4–D
Gale silt loam:															
Gently sloping	GB	2–6	Grayish-brown to brown, strongly acid, friable silt loam; medium platy structure in place but breaks out into medium granules.	Yellowish-brown, medium blocky, strongly acid silty clay loam.	Very pale brown and yellowish-brown fine sand, with sandstone fragments.	24–30	Moderate	Moderate	Slow	Moderate	Slight	Moderate	Easy	Corn, oats, hay, and pasture	1–B
Sloping	GC	6–10	Same	Same	Same	24–30	Moderate	Moderate	Medium	Moderate	Moderate	Moderate	Moderately difficult.	Same	2–C
Strongly sloping	GD	10–15	Same	Same	Same	24–30	Moderate	Moderate	Rapid	Moderate	Moderate	Moderate	Moderately difficult.	Same	4–B
Eroded, sloping and strongly sloping.	GA	6–15	Brown to yellowish-brown, strongly acid, medium granular heavy silt loam; low in organic matter.	Same	Same	20–26	Slow	Moderate	Very rapid	Moderate	Great	Low	Difficult	Idle land, hay, and pasture	4–C

[1] Soil depth refers to the depth of soil over sand, gravel, hardpan (glacial till), or bedrock.

SOILS OF BARRON COUNTY, WISCONSIN: SUMMARY OF IMPORTANT CHARACTERISTICS—Continued

Soil	Map symbol	Range of slope	Surface soil	Subsoil	Parent material or substratum	Soil depth [1]	Drainage		Surface runoff	Water-holding capacity	Erosion hazard	Natural fertility	Workability	Present use	Management subgroup
							Surface soil	Subsoil							
Hixton loam:		*Percent*				*Inches*									
Gently sloping	HH	2–6	Grayish-brown to yellowish-brown, strongly acid loam; medium platy but breaks out into soft granules.	Brown to yellowish-brown, weak blocky, strongly acid loam to light sandy clay loam.	Yellowish-brown loose sand and partly decomposed sandstone.	20–28	Moderate	Moderate	Slow	Moderate	Slight	Moderate	Easy	Corn, oats, hay, and pasture	2-A
Sloping	HL	6–10	Same	Same	Same	20–28	Moderate	Moderate	Medium	Moderate	Moderate	Moderate	Moderately difficult.	Same	2-B
Strongly sloping	HM	10–15	Same	Same	Same	20–28	Moderate	Moderate	Rapid	Moderate	Moderate	Moderate	Moderately difficult.	Same	3-A
Eroded, strongly sloping	HG	10–20	Brown to yellowish-brown, medium granular, strongly acid loam; low in organic matter.	Same	Same	16–24	Moderate	Moderate	Very rapid	Low	Great	Low	Difficult	Idle land, hay, and pasture	4-C
Moderately steep	HK	15–30	Grayish-brown to yellowish-brown, strongly acid loam; medium platy but breaks out into soft granules.	Same	Same	18–26	Moderate	Moderate	Very rapid	Moderate	Great	Moderate	Difficult	Oats, hay, and pasture	4-B
Hixton fine sandy loam:															
Sloping	HD	2–10	Grayish-brown to yellowish-red, weak thin platy, strongly acid, friable fine sandy loam.	Yellowish-brown to reddish-brown, weak blocky, strongly acid loam.	Same	20–28	Rapid	Moderate	Slow	Moderate	Slight	Moderate	Moderately difficult.	Oats, hay, pasture, some corn	2-B
Strongly sloping	HF	10–15	Same	Same	Same	20–28	Rapid	Moderate	Medium	Moderate	Moderate	Moderate	Moderately difficult.	Same	3-A
Eroded, strongly sloping	HB	6–15	Yellowish-brown, medium granular, strongly acid fine sandy loam to loam; low in organic matter.	Same	Same	16–24	Moderate	Moderate	Rapid	Low	Great	Low	Difficult	Idle land, hay, and pasture	5-B
Moderately steep	HC	15–20	Grayish-brown to yellowish-red, weak thin platy, strongly acid, friable fine sandy loam.	Same	Same	18–26	Rapid	Moderate	Rapid	Moderate	Moderate	Moderate	Difficult	Hay and pasture	4-A
Steep	HE	20–30	Same	Same	Same	18–26	Rapid	Moderate	Very rapid	Moderate	Great	Moderate	Difficult	Hay, pasture, and forest	5-A
Eroded, steep	HA	20–30	Same	Same	Same	16–24	Moderate	Moderate	Very rapid	Low	Great	Low	Very difficult.	Idle land or forest	5-B
Milaca silt loam:															
Gently sloping	MK	2–6	Gray to pale-brown, well-developed platy, strongly acid loam; contains many roots.	Brown to reddish-brown, weak blocky, strongly acid light sandy clay loam.	Dark reddish-brown sandy clay loam glacial till; somewhat compact in place.	16–24	Moderate	Moderate	Slow	High	Slight	Moderate	Easy	Corn, oats, hay, and pasture	1-C
Sloping	MN	6–10	Same	Same	Same	16–24	Moderate	Moderate	Medium	High	Moderate	Moderate	Moderately difficult.	Same	2-B
Strongly sloping	MP	10–20	Same	Same	Same	16–24	Moderate	Moderate	Rapid	High	Moderate	Moderate	Moderately difficult.	Oats, hay, and pasture	3-A
Steep	MO	20–35	Same	Same	Same	16–24	Moderate	Moderate	Very rapid	Moderate	Great	Moderate	Difficult	Hay and pasture	5-A
Undulating	MR	0–6	Same	Same	Same	16–24	Moderate	Moderate	Slow	High	Slight	Moderate	Easy	Corn, oats, hay, and pasture	2-G
Gently rolling	MH	6–10	Same	Same	Same	16–24	Moderate	Moderate	Medium	High	Moderate	Moderate	Moderately difficult.	Same	2-H
Rolling	MM	10–15	Same	Same	Same	16–24	Moderate	Moderate	Rapid	High	Moderate	Moderate	Moderately difficult.	Hay and pasture	4-A
Hilly	ML	15–30	Same	Same	Same	16–24	Moderate	Moderate	Very rapid	High	Great	Moderate	Very difficult.	Pasture and forest	5-A
Milaca fine sandy loam:															
Gently sloping	ME	2–6	Light-gray to pale-brown, weak platy, strongly acid fine sandy loam.	Brown, blocky, strongly acid heavy loam to light sandy clay loam.	Dark reddish-brown loam to sandy clay loam glacial till; somewhat compact in place.	14–22	Rapid	Rapid	Very slow	Moderate	Slight	Low	Easy	Oats, hay, and pasture	2-A
Sloping	MF	6–10	Same	Same	Same	14–22	Rapid	Rapid	Slow	Moderate	Slight	Low	Moderately difficult.	Oats, hay, and pasture	2-B
Strongly sloping	MG	10–20	Same	Same	Same	14–22	Rapid	Rapid	Medium	Moderate	Moderate	Low	Moderately difficult.	Oats, hay, and pasture	3-A
Milaca-Cloquet-Peat complex:															
Undulating	MD	2–6	In parts of the morainic uplands small areas of Milaca, Cloquet, and Peat soils are so closely associated that they could not be separated on the scale of map used in the field. See description of each soil for details of soil characteristics.			12–30	Variable	Variable	Slow	Variable	Slight	Low	Difficult	Pasture and some oats and hay	4-E
Gently rolling	MA	6–10	Same			12–30	Variable	Variable	Medium	Variable	Moderate	Low	Difficult	Pasture and forest	4-E
Rolling	MC	10–15	Same			12–30	Variable	Variable	Rapid	Variable	Moderate	Low	Very difficult.	Pasture and forest	5-A
Hilly	MB	15–30	Same			12–30	Variable	Variable	Very rapid	Variable	Great	Low	Very difficult.	Pasture and forest	5-A
Omega loamy sand:															
Nearly level	OE	0–2	Very dark brown to brown, weakly granular, strongly acid loamy sand.	Brown to yellowish-brown strongly acid sand to loamy sand.	Yellow and yellowish-red, loose, slightly acid stratified sand.	14–20	Rapid	Rapid	Very slow	Very low	Moderate wind erosion.	Very low	Easy	Idle land, truck crops, corn, hay, oats, and pasture.	3-D
Gently sloping	OA	2–6	Same	Same	Same	14–20	Rapid	Rapid	Very slow	Very low	Moderate wind erosion.	Very low	Easy	Same	3-D
Sloping	OF	6–10	Same	Same	Same	14–20	Rapid	Rapid	Slow	Very low	Moderate wind erosion.	Very low	Easy	Same	3-D
Strongly sloping	OG	10–20	Same	Same	Same	14–20	Rapid	Rapid	Slow	Very low	Moderate wind erosion.	Very low	Moderately difficult.	Oats, hay, pasture, and forest	5-C
Omega loamy sand, gravelly subsoil:															
Nearly level	OC	0–2	Same	Same	Yellowish-red and yellow loose stratified sand and gravel.	12–18	Rapid	Rapid	Very slow	Very low	Moderate wind erosion.	Very low	Easy	Idle land, oats, hay, and pasture	3-D
Gently sloping	OB	2–6	Same	Same	Same	12–18	Rapid	Rapid	Very slow	Very low	Moderate wind erosion.	Very low	Easy	Same	3-D
Sloping and strongly sloping	OD	6–15	Same	Same	Same	12–18	Rapid	Rapid	Slow	Very low	Moderate wind erosion.	Very low	Easy	Same	5-C
Onamia loam:															
Nearly level	OL	0–2	Light-gray to pale-brown strongly acid loam; thin platy structure that breaks into soft granules.	Very pale brown to yellowish-red strongly acid sandy clay loam; contains a few pebbles and small stones.	Yellowish-red, stratified, cobbly sand and gravel composed of waterworn, noncalcareous, crystalline rocks.	24–30	Moderate	Moderate	Very slow	Moderate	None	Moderate	Easy	Corn, oats, hay, and pasture	1-C
Gently sloping	OK	2–6	Same	Same	Same	24–30	Rapid	Moderate	Slow	Moderate	Slight	Moderate	Easy	Same	1-C
Gently rolling	OH	6–10	Same	Same	Same	24–30	Rapid	Moderate	Medium	Moderate	Moderate	Moderate	Moderately difficult.	Same	2-B
Otterholt silt loam:															
Nearly level	ON	0–2	Dark-brown to grayish-brown, thin platy, strongly acid, friable silt loam; contains many roots and worm casts.	Reddish-brown, weak blocky, strongly acid silty clay loam; gray coatings often found on structural faces.	Reddish-brown massive glacial till; where silt is deeper than 30 inches, it has a horizon of friable silt between the subsoil and glacial till.	30–42	Moderate	Moderate	Very slow	High	None	Moderate	Easy	Corn, oats, hay, and pasture	1-A
Gently sloping	OM	2–6	Same	Same	Same	30–42	Moderate	Moderate	Slow	High	Slight	Moderate	Easy	Same	1-B
Sloping	OO	6–10	Same	Same	Same	30–42	Moderate	Moderate	Medium	High	Moderate	Moderate	Moderately difficult.	Same	2-C
Strongly sloping	OP	10–15	Same	Same	Same	30–42	Moderate	Moderate	Rapid	High	Moderate	Moderate	Moderately difficult.	Oats, hay, and pasture	2-D
Peat and muck	PA		Dark-brown to black peat or muck; contains many sedges, mosses, and tamarack remains in various stages of decomposition.	Brown, partly decomposed plant remains.	Glacial till, lacustrine clay, or alluvium, usually gray; saturated with water.	16–40+	Slow	Very slow	Very slow	High	None	Low	Very difficult.	Hay, pasture, and forest	5-D
Pitted outwash:															
Rolling	PC	10–15	Small intermixed areas of Chetek and Onamia soils, too small to separate on the scale of map used in the field, occurring in parts of highly pitted outwash plains. See description of the individual types for details of their characteristics.			6–18	Rapid	Rapid	Very rapid	Very low	Great	Very low	Very difficult.	Forest and some pasture	4-A
Hilly	PB	10–20	Same			6–18	Rapid	Rapid	Very rapid	Very low	Great	Very low	Very difficult.	Forest and some pasture	5-C
Poskin silt loam	PD	0–2	Dark-gray to grayish-brown, weak thin platy, strongly acid, friable silt loam.	Highly mottled, pale-brown, brownish-gray, and yellowish-red, fine blocky, strongly acid silty clay loam.	Mixtures of yellowish-brown and yellowish-red stratified sands and gravel.	30–42	Very slow	Very slow	Very slow	High	None	Moderate	Moderately difficult.	Corn, oats, hay, and pasture	3-E
Riverwash	RA		A recent deposit of mixed sand, gravel, and some fine materials in streambeds or near streams			6–24+	Rapid	Rapid	Very slow	Very low	Frequent overflow.	Very low	Very difficult.	Idle land and forest	5-D
Santiago silt loam:															
Nearly level	SD	0–2	Dark-brown to grayish-brown, thin platy, strongly acid, friable silt loam; contains roots and worm casts.	Reddish-brown, weak blocky, strongly acid, somewhat gritty silty clay loam.	Reddish-brown to dark reddish-brown massive glacial till.	18–28	Moderate	Moderate	Very slow	High	None	Moderate	Easy	Corn, oats, hay, and pasture	1-A
Gently sloping	SB	2–6	Same	Same	Same	18–28	Moderate	Moderate	Slow	High	Low	Moderate	Easy	Same	1-B
Sloping	SE	6–10	Same	Same	Same	18–28	Moderate	Moderate	Medium	High	Moderate	Moderate	Moderately difficult.	Same	2-C
Strongly sloping	SF	10–15	Same	Same	Same	18–28	Moderate	Moderate	Rapid	High	Great	Moderate	Moderately difficult.	Same	2-D
Moderately steep	SC	10–30	Same	Same	Same	16–26	Moderate	Moderate	Very rapid	High	Great	Moderate	Difficult	Oats, hay, and pasture	4-B
Eroded, sloping	SA	6–15	Grayish-brown, strongly acid, friable silt loam; low in organic matter.	Same	Same	14–26	Slow	Moderate	Rapid	Moderate	Great	Low	Difficult	Idle land, oats, hay, and pasture.	2-C
Santiago stony silt loam:															
Sloping	SG	6–10	Nearly black to dark-brown, thin platy, strongly acid, friable stony silt loam; contains many roots and worm casts.	Reddish-brown, weak blocky, strongly acid, somewhat gritty stony silty clay loam.	Same	16–26	Moderate	Moderate	Medium	High	Slight	Moderate	Very difficult.	Pasture and forest	4-D
Strongly sloping	SK	10–20	Same	Same	Same	16–26	Moderate	Moderate	Very rapid	High	Moderate	Moderate	Very difficult.	Pasture and forest	4-D
Steep	SH	20–30	Same	Same	Same	16–26	Moderate	Moderate	Very rapid	High	High	Low	Very difficult.	Forest	5-A
Scott Lake sandy loam	SL	0–2	Dark grayish-brown to yellowish-red, weak platy, strongly acid, friable sandy loam; contains many roots.	Reddish-brown, mottled with yellowish-red, medium blocky, strongly acid sandy clay loam.	Yellowish-red single-grained sand to loamy sand; stratified below 36 inches.	26–32	Moderate	Slow	Very slow	Moderate	None	Moderate	Moderately difficult.	Corn, oats, hay, and pasture	2-F
Spencer silt loam:															
Nearly level	SN	0–2	Dark-gray to brown, strongly acid, friable, granular silt loam; thin platy structure in place.	Pale-brown to brown, mottled, strongly acid, silty clay loam; medium blocky structure; gray coating on structural faces.	Dark reddish-brown massive glacial till; where silt is deeper than 30 inches a horizon of friable silt lies between subsoil and glacial till.	30–42	Moderate	Slow	Very slow	High	None	Moderate	Easy	Same	2-E
Gently sloping	SM	2–6	Same	Same	Same	30–42	Moderate	Slow	Slow	High	Slight	Moderate	Easy	Same	2-G
Sloping	SO	6–10	Same	Same	Same	30–42	Moderate	Slow	Medium	High	Moderate	Moderate	Moderately difficult.	Same	2-H
Stony steep land	SP	20–45	Rough stony areas of rock outcrops, talus slopes, or many loose stones with some finer soil material; deposits of soil may be rather deep between stones and in cracks in the bedrock.			4–12	Moderate	Moderate	Rapid	Low	Low	Low	Very difficult.	Forest	5-A
Terrace escarpment:															
Strongly sloping	TB	10–20	Brownish-gray, acid, loose sandy loam to gravelly sandy loam; low in organic matter; weak crumb structure.	The B horizon is usually absent	Stratified, yellowish-brown, loose sand and gravel.	6–12	Rapid	Rapid	Very rapid	Very low	Great	Very low	Very difficult.	Forest, idle land, and pasture	5-C
Moderately steep	TA	15–30	Same	Same	Same	6–12	Rapid	Rapid	Very rapid	Very low	Great	Very low	Very difficult.	Forest, idle land, and pasture	5-C
Wallkill silt loam	WA	0–2	Dark-gray, granular, acid silt loam; contains many roots.	Dark-brown to very dark brown muck.	Glacial till, lacustrine clays, or alluvial materials.	12–24	Moderate	Slow to very slow.	Very slow	High	None	Moderate	Very difficult.	Hay, pasture, and forest	4-E
Warman silt loam	WD	0–2	Dark-gray, thin platy, strongly acid, friable silt loam; rather high in organic matter.	Gray to grayish-brown, mottled, massive, strongly acid, heavy silt loam.	Yellowish-brown to yellowish-red acid, waterlogged, stratified sand and gravel.	24–32	Very slow	Very slow	Ponded	High	None	Moderate	Very difficult.	Forest, idle land, and pasture	4-E
Warman loamy sand, gravelly subsoil.	WC	0–2	Gray to dark-gray, weakly granular, strongly acid loamy sand; often has some black mucky material on surface.	Mottled yellowish-red and gray, single-grained, acid loamy sand; contains few roots.	Same	22–32	Slow	Slow	Ponded	Low	None	Low	Very difficult.	Forest, idle land, and pasture	4-E
Warman loamy fine sand	WB	0–2	Brownish-gray to gray, weakly granular, strongly acid loamy fine sand; high in organic matter.	Mottled yellowish-red and gray, single-grained, acid loamy fine sand.	Same	20–26	Slow	Slow	Ponded	Low	None	Low	Difficult	Hay, pasture, and forest	4-E

[1] Soil depth refers to the depth of soil over sand, gravel, hardpan (glacial till), or bedrock.

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