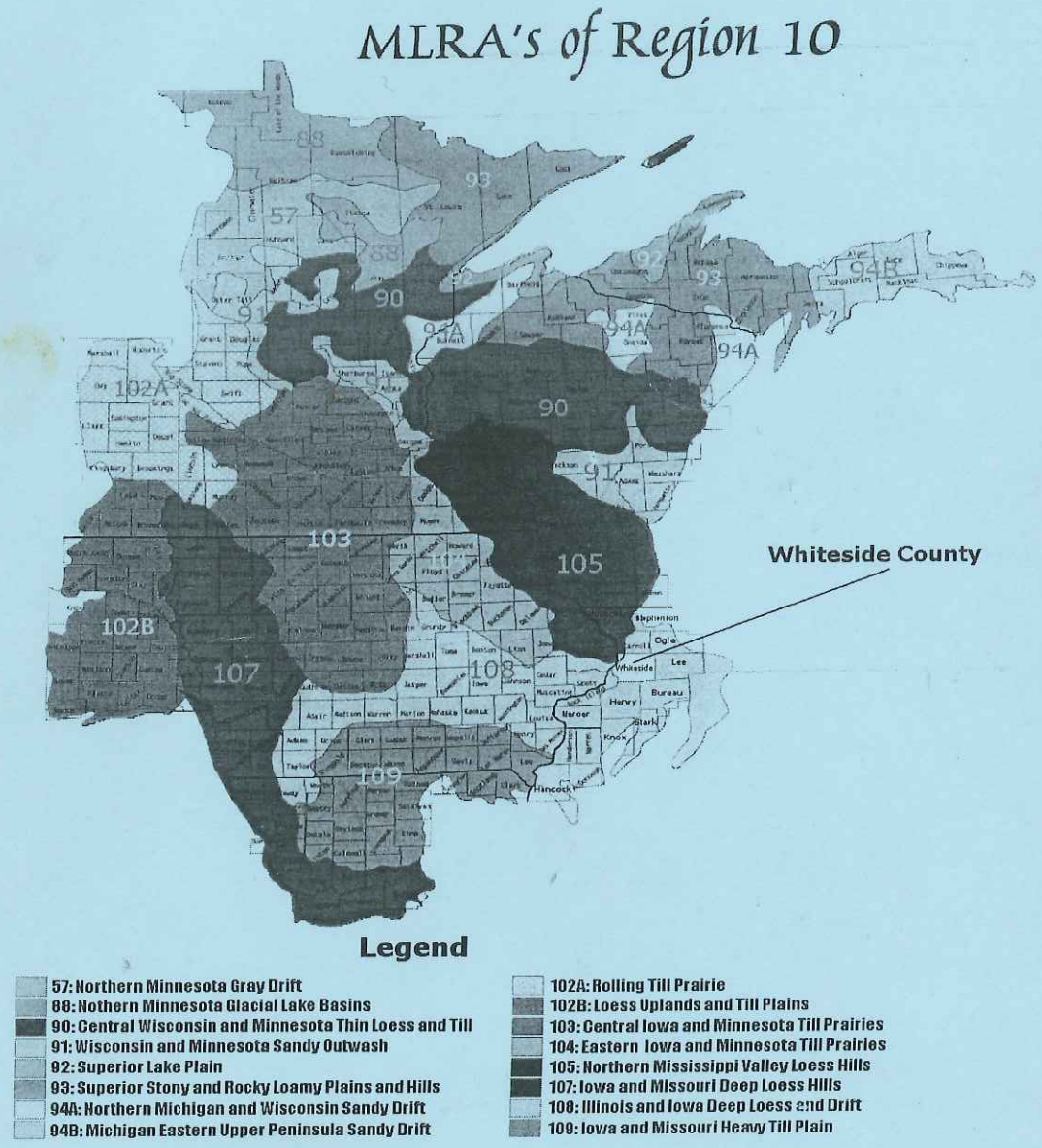
United States
Department of
Agriculture

Natural Resources
Conservation Service

North Central Glaciated
Regional MLRA
Soil Survey Office
St. Paul, Minnesota

Classification and Correlation of Soils in Whiteside County, Illinois

A Subset of MLRA 108B and 115C



February 2003

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

CLASSIFICATION AND CORRELATION OF THE SOILS OF WHITESIDE COUNTY, ILLINOIS (A SUBSET OF MLRAs 108B and 115C)

February 2003

This correlation was prepared by Steve Elmer, MLRA Soil Survey Project Leader in January 2003. It was prepared as part of the update of the soil survey of Whiteside County, Illinois. This update is a subset of the update of the soil survey of MLRAs 108B and 115C. Prior to publishing this correlation memorandum, a draft was critically reviewed by John Doll, Soil Scientist on the Illinois State Office staff. The final draft of this correlation was prepared by Tom Neuenfeldt, Soil Data Quality Specialist, on the MLRA Region 10 staff in February 2003.

Headnote for Detailed Soil Survey Legend:

Map symbols consist of numbers, or a combination of numbers and letters. The initial numbers represent the kind of soil. A capital letter following those numbers indicates the class of slope. A final number of 2 following the slope letter indicates that the soil is moderately eroded, and 3 indicates that it is severely eroded. Map symbols without a slope class letter are miscellaneous units.

SOIL CORRELATION OF
WHITESIDE COUNTY, ILLINOIS
JANUARY, 2003

Field Symbols	Field Map Unit Name	Publication Symbol	Approved Map Unit Name
8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded	8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded
8F2	Hickory silt loam, 18 to 35 percent slopes, eroded	8F2	Hickory silt loam, 18 to 35 percent slopes, eroded
21C2	Pecatonica silt loam, 5 to 10 percent slopes, eroded	21C2	Pecatonica silt loam, 5 to 10 percent slopes, eroded
21D2	Pecatonica silt loam, 10 to 18 percent slopes, eroded	21D2	Pecatonica silt loam, 10 to 18 percent slopes, eroded
49A	Watseka loamy fine sand, 0 to 2 percent slopes	49A	Watseka loamy fine sand, 0 to 2 percent slopes
51A	Muscatune silt loam, 0 to 2 percent slopes	51A	Muscatune silt loam, 0 to 2 percent slopes
54C	Plainfield sand 6 to 12 percent slopes	54C	Plainfield sand, 6 to 12 percent slopes
54E	Plainfield sand, 12 to 20 percent slopes	54E	Plainfield sand, 12 to 20 percent slopes
61A	Atterberry silt loam, 0 to 2 percent slopes	61A	Atterberry silt loam, 0 to 2 percent slopes
68A	Sable silty clay loam, 0 to 2 percent slopes	68A	Sable silty clay loam, 0 to 2 percent slopes
69A	Milford silty clay loam, 0 to 2 percent slopes	69A	Milford silty clay loam, 0 to 2 percent slopes
81A	Littleton silt loam, 0 to 2 percent slopes	81A	Littleton silt loam, 0 to 2 percent slopes
86B	Osco silt loam, 2 to 5 percent slopes	86B	Osco silt loam, 2 to 5 percent slopes
86C2	Osco silt loam, 5 to 10 percent slopes, eroded	86C2	Osco silt loam, 5 to 10 percent slopes, eroded
87A	Dickinson sandy loam, 0 to 2 percent slopes	87A	Dickinson sandy loam, 0 to 2 percent slopes
87B2	Dickinson sandy loam, 2 to 7 percent slopes, eroded	87B2	Dickinson sandy loam, 2 to 7 percent slopes, eroded
88A	Sparta loamy sand, 0 to 2 percent slopes	88A	Sparta loamy sand, 0 to 2 percent slopes
88C	Sparta loamy sand, 6 to 12 percent slopes	88C	Sparta loamy sand, 6 to 12 percent slopes
88E	Sparta loamy sand, 12 to 20 percent slopes	88E	Sparta loamy sand, 12 to 20 percent slopes
98B	Ade loamy fine sand, 2 to 7 percent slopes	98B	Ade loamy fine sand, 2 to 7 percent slopes
104A	Virgil silt loam, 0 to 2 percent slopes	104A	Virgil silt loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes	152A	Drummer silty clay loam, 0 to 2 percent slopes
172A	Hoopeston sandy loam, 0 to 2 percent slopes	172A	Hoopeston sandy loam, 0 to 2 percent slopes
175B2	Lamont fine sandy loam, 2 to 5 percent slopes, eroded	175B2	Lamont fine sandy loam, 2 to 5 percent slopes, eroded
175D2	Lamont fine sandy loam, 10 to 18 percent slopes, eroded	175D2	Lamont fine sandy loam, 10 to 18 percent slopes eroded
175F	Lamont fine sandy loam, 18 to 35 percent slopes	175F	Lamont fine sandy loam, 18 to 35 percent slopes
198A	Elburn silt loam, 0 to 2 percent slopes	198A	Elburn silt loam, 0 to 2 percent slopes
200A	Orio loam, 0 to 2 percent slopes	200A	Orio loam, 0 to 2 percent slopes
201A	Gilford fine sandy loam, 0 to 2 percent slopes	201A	Gilford fine sandy loam, 0 to 2 percent slopes

Field Symbols	Field Map Unit Name	Publi-cation Symbol	Approved Map Unit Name
206A	Thorp silt loam, 0 to 2 percent slopes	206A	Thorp silt loam, 0 to 2 percent slopes
233C2	Birkbeck silt loam, 5 to 10 percent slopes, eroded	233C2	Birkbeck silt loam, 5 to 10 percent slopes, eroded
261A	Niota silt loam, 0 to 2 percent slopes	261A	Niota silt loam, 0 to 2 percent slopes
262A	Denrock silt loam, 0 to 2 percent slopes	262A	Denrock silt loam, 0 to 2 percent slopes
268B	Mt. Carroll silt loam, 2 to 5 percent slopes	268B	Mt. Carroll silt loam, 2 to 5 percent slopes
268C2	Mt. Carroll silt loam, 5 to 10 percent slopes, eroded	268C2	Mt. Carroll silt loam, 5 to 10 percent slopes, eroded
274B	Seaton silt loam, 2 to 5 percent slopes	274B	Seaton silt loam, 2 to 5 percent slopes
274C2	Seaton silt loam, 5 to 10 percent slopes, eroded	274C2	Seaton silt loam, 5 to 10 percent slopes, eroded
274D2	Seaton silt loam, 10 to 18 percent slopes, eroded	274D2	Seaton silt loam, 10 to 18 percent slopes, eroded
275A	Joy silt loam, 0 to 2 percent slopes	275A	Joy silt loam, 0 to 2 percent slopes
277B	Port Byron silt loam, 2 to 5 percent slopes	277B	Port Byron silt loam, 2 to 5 percent slopes
277C	Port Byron silt loam, 5 to 10 percent slopes	277C	Port Byron silt loam, 5 to 10 percent slopes
279B	Rozetta silt loam, 2 to 5 percent slopes	279B	Rozetta silt loam, 2 to 5 percent slopes
279C2	Rozetta silt loam, 5 to 10 percent slopes, eroded	279C2	Rozetta silt loam, 5 to 10 percent slopes, eroded
280B	Fayette silt loam, 2 to 5 percent slopes	280B	Fayette silt loam, 2 to 5 percent slopes
280C2	Fayette silt loam, 5 to 10 percent slopes, eroded	280C2	Fayette silt loam, 5 to 10 percent slopes, eroded
354A	Hononegah loamy sand, 0 to 3 percent slopes	354A	Hononegah loamy sand, 0 to 3 percent slopes
410D2	Woodbine silt loam, 10 to 18 percent slopes, eroded	410D2	Woodbine silt loam, 10 to 18 percent slopes, eroded
411B	Ashdale silt loam, 2 to 5 percent slopes	411B	Ashdale silt loam, 2 to 5 percent slopes
412B	Ogle silt loam, 2 to 5 percent slopes	412B	Ogle silt loam, 2 to 5 percent slopes
412C	Ogle silt loam, 5 to 10 percent slopes	412C	Ogle silt loam, 5 to 10 percent slopes
430A	Raddle silt loam, 0 to 2 percent slopes	430A	Raddle silt loam, 0 to 2 percent slopes
430B	Raddle silt loam, 2 to 5 percent slopes	430B	Raddle silt loam, 2 to 5 percent slopes
485B	Richwood silt loam, 2 to 5 percent slopes	485B	Richwood silt loam, 2 to 5 percent slopes
485C2	Richwood silt loam, 5 to 10 percent slopes, eroded	485C2	Richwood silt loam, 5 to 10 percent slopes, eroded
486B	Bertrand silt loam, 2 to 5 percent slopes	486B	Bertrand silt loam, 2 to 5 percent slopes
486C2	Bertrand silt loam, 5 to 10 percent slopes, eroded	486C2	Bertrand silt loam, 5 to 10 percent slopes, eroded
487A	Joyce silt loam, 0 to 2 percent slopes	487A	Joyce silt loam, 0 to 2 percent slopes
488A	Hooppole loam, 0 to 2 percent slopes	488A	Hooppole loam, 0 to 2 percent slopes
509B	Whalan loam, 2 to 5 percent slopes	509B	Whalan loam, 2 to 5 percent slopes
529A	Selmass silt loam, 0 to 2 percent slopes	529A	Selmass silt loam, 0 to 2 percent slopes
533	Urban land	533	Urban land
564A	Waukegan silt loam, 0 to 2 percent slopes	564A	Waukegan silt loam, 0 to 2 percent slopes
564B	Waukegan silt loam, 2 to 5 percent slopes	564B	Waukegan silt loam, 2 to 5 percent slopes
564C2	Waukegan silt loam, 5 to 10 percent slopes, eroded	564C2	Waukegan silt loam, 5 to 10 percent slopes, eroded
565B	Tell silt loam, 2 to 5 percent slopes	565B	Tell silt loam, 2 to 5 percent slopes
565C2	Tell silt loam, 5 to 10 percent slopes, eroded	565C2	Tell silt loam, 5 to 10 percent slopes, eroded
565D2	Tell silt loam, 10 to 18 percent slopes,	565D2	Tell silt loam, 10 to 18 percent slopes,

Field Symbols	Field Map Unit Name	Publi-cation Symbol	Approved Map Unit Name
	eroded		eroded
638A	Muskego muck, 0 to 2 percent slopes	638A	Muskego muck, 0 to 2 percent slopes
647A	Lawler loam, 0 to 2 percent slopes	647A	Lawler loam, 0 to 2 percent slopes
383B	Downs silt loam, moderately wet, 2 to 5 percent slopes	675B	Greenbush silt loam, 2 to 5 percent slopes
383C2	Downs silt loam, moderately wet, 5 to 10 percent slopes, eroded	675C2	Greenbush silt loam, 5 to 10 percent slopes, eroded
171B	Catlin silt loam, 2 to 5 percent slopes	686B	Parkway silt loam, 2 to 5 percent slopes
171C2	Catlin silt loam, 5 to 10 percent slopes, eroded	686C2	Parkway silt loam, 5 to 10 percent slopes, eroded
689B	Coloma sand, 1 to 7 percent slopes	689B	Coloma sand, 1 to 7 percent slopes
689D	Coloma sand, 7 to 15 percent slopes	689D	Coloma sand, 7 to 15 percent slopes
727A	Waukee loam, 0 to 2 percent slopes	727A	Waukee loam, 0 to 2 percent slopes
759A	Udolpho loam, sandy substratum, 0 to 2 percent slopes	759A	Udolpho loam, sandy substratum, 0 to 2 percent slopes
760A	Marshan loam, sandy substratum, 0 to 2 percent slopes	760A	Marshan loam, sandy substratum, 0 to 2 percent slopes
763A	Joslin silt loam, 0 to 2 percent slopes	763A	Joslin silt loam 0 to 2 percent slopes
767A	Prophetstown silt loam, 0 to 2 percent slopes	767A	Prophetstown silt loam, 0 t 2 percent slopes
777A	Adrian muck, 0 to 2 percent slopes	777A	Adrian muck, 0 to 2 percent slopes
785G	Lacrescent cobbly loam, 25 to 60 percent slopes	785G	Lacrescent cobbly loam 25 to 60 percent slopes
802B	Orthents, loamy, undulating	802B	Orthents, loamy, undulating
865	Pits, gravel	865	Pits, gravel
868	Pits, organic	868	Pits, organic
869	Pits, quarries-Orthents complex	869	Pits, quarries - Orthents complex
917C2	Oakville - Tell complex, 5 to 10 percent slopes, eroded	917C2	Oakville - Tell complex, 5 to 10 percent slopes, eroded
917D2	Oakville - Tell complex, 10 to 18 percent slopes, eroded	917D2	Oakville - Tell complex, 10 to 18 percent slopes, eroded
943D3	Seaton-Timula silt loams, 10 to 18 percent slopes, severely eroded	943D3	Seaton-Timula silt loams, 10 to 18 percent slopes, severely eroded
943F2	Seaton-Timula silt loam, 18 to 35 percent slopes, eroded	943F2	Seaton-Timula silt loams, 18 to 35 percent slopes, eroded
943E3	Seaton-Timula silt loams, 18 to 25 percent slopes, severely eroded	943E3	Seaton-Timula silt loams, 18 to 25 percent slopes, severely eroded
1082A	Millington silt loam, undrained, 0 to 2 percent slopes, frequently flooded	1082A	Millington silt loam, undrained, 0 to 2 percent slopes, frequently flooded
1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded	1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
4400A	Calco silty clay loam, ponded, 0 to 2 percent slopes	1400A	Calco silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
2087B	Dickinson-Urban land complex, 1 to 7 percent slopes	2087B	Dickinson- Urban land complex, 1 to 7 percent slopes
2198A	Elburn-Urban land complex, 0 to 2 percent slopes	2198A	Elburn- Urban land complex, 0 to 2 percent slopes
2408A	Aquents-Urban land complex, 0 to 2 percent slopes	2408A	Aquents- Urban land complex, 0 to 2 percent slopes
2485B	Richwood-Urban land complex, 2 to 5	2485B	Richwood- Urban land complex, 2 to 5

Field Symbols	Field Map Unit Name	Publi-cation Symbol	Approved Map Unit Name
	percent slopes		percent slopes
3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded	3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded
3077A	Huntsville silt loam, 0 to 2 percent slopes, frequently flooded	3077A	Huntsville silt loam, 0 to 2 percent slopes, frequently flooded
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
3302A	Ambraw silty clay loam, 0 to 2 percent slopes, frequently flooded	3302A	Ambraw silty clay loam, 0 to 2 percent slopes, frequently flooded
3321A	DuPage silt loam, 0 to 2 percent slopes, frequently flooded	3321A	DuPage silt loam, 0 to 2 percent slopes, frequently flooded
3400A	Calco silty clay loam, 0 to 2 percent slopes, frequently flooded	3400A	Calco silty clay loam, 0 to 2 percent slopes, frequently flooded
3404A	Titus silty clay loam, 0 to 2 percent slopes, frequently flooded	3404A	Titus silty clay loam, 0 to 2 percent slopes, frequently flooded
3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded	3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded
3428A	Coffeen silt loam, 0 to 2 percent slopes, frequently flooded	3428A	Coffeen silt loam, 0 to 2 percent slopes, frequently flooded
3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded	3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded
3452A	Riley loam, 0 to 2 percent slopes, frequently flooded	3452A	Riley loam, 0 to 2 percent slopes, frequently flooded
1334A	Birds silt loam, undrained, 0 to 2 percent slopes, frequently flooded	3646L	Fluvaquents, loamy, 0 to 2 percent slopes, frequently flooded, long duration
1381A	Craigmile sand loam, undrained, 0 to 2 percent slopes, frequently flooded	3646L	Fluvaquents, loamy, 0 to 2 percent slopes, frequently flooded, long duration
7070A	Beaucoup silty clay loam, 0 to 2 percent slopes, rarely flooded	7070A	Beaucoup silty clay loam, 0 to 2 percent slopes, rarely flooded
7073A	Ross loam, 0 to 2 percent slopes, rarely flooded	7073A	Ross silt loam, 0 to 2 percent slopes, rarely flooded
7076A	Otter silt loam, 0 to 2 percent slopes, rarely flooded	7076A	Otter silt loam, 0 to 2 percent slopes, rarely flooded
7082A	Millington clay loam, 0 to 2 percent slopes, rarely flooded	7082A	Millington clay loam, 0 to 2 percent slopes, rarely flooded
7100A	Palms muck, 0 to 2 percent slopes, rarely flooded	7100A	Palms muck, 0 to 2 percent slopes, rarely flooded
7103A	Houghton muck, 0 to 2 percent slopes, rarely flooded	7103A	Houghton muck, 0 to 2 percent slopes, rarely flooded
7107A	Sawmill silty clay loam, 0 to 2 percent slopes, rarely flooded	7107A	Sawmill silty clay loam, 0 to 2 percent slopes, rarely flooded
7210A	Lena muck, 0 to 2 percent slopes, rarely flooded	7210A	Lena muck, 0 to 2 percent slopes, rarely flooded
7302A	Ambraw clay loam, 0 to 2 percent slopes, rarely flooded	7302A	Ambraw clay loam, 0 to 2 percent slopes, rarely flooded
7345A	Elvers silt loam, 0 to 2 percent slopes, rarely flooded	7345A	Elvers silt loam, 0 to 2 percent slopes, rarely flooded
7349B	Zumbro sandy loam, 1 to 4 percent slopes, rarely flooded	7349B	Zumbro sandy loam, 1 to 4 percent slopes, rarely flooded
7404A	Titus silty clay loam, 0 to 2 percent slopes,	7404A	Titus silty clay loam, 0 to 2 percent slopes,

Field Symbols	Field Map Unit Name	Publi-cation Symbol	Approved Map Unit Name
	rarely flooded		rarely flooded
7428A	Coffeen silt loam, 0 to 2 percent slopes, rarely flooded	7428A	Coffeen silt loam, 0 to 2 percent slopes, rarely flooded
7452A	Riley loam, 0 to 2 percent slopes, rarely flooded	7452A	Riley loam, 0 to 2 percent slopes, rarely flooded
7516A	Faxon silty clay loam, 0 to 2 percent slopes, rarely flooded	7516A	Faxon silty clay loam, 0 to 2 percent slopes, rarely flooded
8516A	Faxon silty clay loam, 0 to 2 percent slopes, occasionally flooded	7516A	Faxon silty clay loam, 0 to 2 percent slopes, rarely flooded
7603A	Blackoar silt loam, 0 to 2 percent slopes, rarely flooded	7603A	Blackoar silt loam, 0 to 2 percent slopes, rarely flooded
7682A	Medway loam, 0 to 2 percent slopes, rarely flooded	7682A	Medway loam, 0 to 2 percent slopes, rarely flooded
7777A	Adrian muck, 0 to 2 percent slopes, rarely flooded	7777A	Adrian muck, 0 to 2 percent slopes, rarely flooded
8107+	Sawmill silt loam, 0 to 2 percent slopes, occasionally flooded, overwash	8107+	Sawmill silt loam, 0 to 2 percent slopes, occasionally flooded, overwash
8166A	Cohoctah loam, 0 to 2 percent slopes, occasionally flooded	8166A	Cohoctah loam, 0 to 2 percent slopes, occasionally flooded
8302A	Ambraw loam, 0 to 2 percent slopes, occasionally flooded	8302A	Ambraw loam, 0 to 2 percent slopes, occasionally flooded
8321A	DuPage silt loam, 0 to 2 percent slopes, occasionally flooded	8321A	DuPage silt loam, 0 to 2 percent slopes, occasionally flooded
8400A	Calco silty clay loam, 0 to 2 percent slopes, occasionally flooded	8400A	Calco silty clay, loam 0 to 2 percent slopes, occasionally flooded
8404A	Titus silty clay loam, 0 to 2 percent slopes, occasionally flooded	8404A	Titus silty clay loam, 0 to 2 percent slopes, occasionally flooded
8415A	Orion silt loam, 0 to 2 percent slopes, occasionally flooded	8415A	Orion silt loam, 0 to 2 percent slopes, occasionally flooded
8451A	Lawson silt loam, 0 to 2 percent slopes, occasionally flooded	8451A	Lawson silt loam, 0 to 2 percent slopes, occasionally flooded
8452A	Riley loam, 0 to 2 percent slopes, occasionally flooded	8452A	Riley loam, 0 to 2 percent slopes, occasionally flooded
8499A	Fella silty clay loam, 0 to 2 percent slopes, occasionally flooded	8499A	Fella silty clay loam, 0 to 2 percent slopes, occasionally flooded
M-W	Miscellaneous Water	M-W	Miscellaneous Water
W	Water	W	Water

Series Established by this Correlation:

None

Series added to previous correlated legend:

Coloma Fluvaquents Greenbush Parkway

Series Dropped from previous correlated legend:

Birds Catlin Craigmile Downs

Verification of Exact Cooperator Names:

For the front cover, general soil map, and half-title page:

United States Department of Agriculture
Natural Resources Conservation Service
in Cooperation with
Illinois Agricultural Experiment Station

The cooperators to be listed on the inside of the front cover are the same as those on the front cover and in addition state: "This soil survey update is part of the technical assistance provided to the Whiteside County Soil and Water Conservation District". Financial assistance was made available by the Whiteside County Board and the Illinois Department of Agriculture.

Prior Soil Survey Publication:

Prior soil surveys of Whiteside County, Illinois were published in 1928 (University of Illinois, Agric. Exp. Sta. Report No. 40, R.S. Smith, 0.1. Ellis, E.E. DeTurk, F.C. Bauer and L.H. Smith); in 1995 (Univ. of IL. Agric. Exp. Sta. Soil Report No. 142, L.R. Sabata); soil maps digitized at scale 1:24000, no written report or tables were generated based on this update product.

This survey update joins with soils in the region (MLRA 108) and places the soil information on 1:12000 scale USGS Digital Ortho Quarter Quad sheets.

Disposition of Field Sheets:

The soil maps have been photographically reduced from a scale of 1:15,840 to a scale of 1:12,000 and recompiled onto 3.75' orthophotography. Compiled maps, locator maps and field maps are in the NRCS state office in Champaign, Illinois.

Copies of a computer tape of the digital product for Whiteside County will remain at the state office, be certified for SSURGO at NCC, and be provided to the Whiteside County Board as part of the cost share cooperative agreement.

Instructions for Map Compilation and Map Finishing:

Vendor-scanned digital maps were checked for accuracy of line placement, and any necessary adjustments due to recent urban or construction activities, by the Rock Falls MLRA staff. The completed maps and supporting documentation have been forwarded to the Digital Map Finishing Unit GIS staff at Salina, KS for digitization, using the soil identification legend and symbols legend in this document.

Symbols for map finishing will be those approved for SSURGO standards and as shown in this document.

Conventional and Special Symbols Legend:

Only those symbols indicated on the on the attached NRCS-SOILS-37A (5/01) will be shown on the legend and placed on the maps. The definition of the special symbols for clay spot, escarpment-bedrock, escarpment-nonbedrock, short steep slope, sandy spot, and stony spot in Whiteside County are not as stated in Part 627 (5/01) of the National Soil Survey Handbook.

FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

Soil Survey Area: WHITESIDE COUNTY

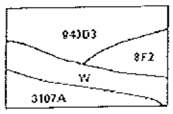
State: ILLINOIS

Date: January 2003

DESCRIPTION	SYMBOL

SOIL SURVEY FEATURES

✔ SOIL DELINEATIONS AND LABELS



STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES

- ✔ Bedrock escarpment
- ✔ Non-bedrock escarpment
- Gully
- Levee
- ✔ Short steep slope
- 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

AD HOC FEATURES (Describe on back)

LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL
✔ DSS			GSP		
			✔ CSP		
			✔ MUC		
			✔ GLA		

CULTURAL FEATURES (Optional)

BOUNDARIES

- ✔ National, state or province
- ✔ County or parish
- Minor civil division
- ✔ Reservation (national or state forest or park)
- Limit of soil survey (label) and/or denied access areas
- ✔ Field sheet matchline and neatline
- Public Land Survey System Section Boundary
- ✔ Public Land Survey System Section Corner Tics

TRANSPORTATION

- Divided road Normally not shown
- Other road Normally not shown
- Trail Normally not shown

ROAD EMBLEMS

- ✔ Interstate
- ✔ Federal
- ✔ State
- County, farm or ranch

LOCATED OBJECTS

- Airport, airfield
- Cemetery
- Church
- Farmstead, house (omit in urban areas)
- Lighthouse
- Located object (label)
- Lookout tower
- Oil and/or natural gas well
- Other Religion (label) — Mt Carmel
- School
- Soil sample site (completed only not published)
- Tank (label)
- Windmill

HYDROGRAPHIC FEATURES (Optional)

- Drainage end (indicates direction of flow)
- Perennial stream
- Intermittent stream
- Unclassified stream
- Perennial drainage or irrigation ditch
- Intermittent drainage or irrigation ditch
- Unclassified drainage or irrigation ditch
- Flood pool line
- Spring
- Well, artesian
- Well, irrigation

SPECIAL SYMBOLS FOR SOIL SURVEY AND SSURGO – CODES & DEFINITIONS

MLRA: 108B COUNTY SUBSET: Whiteside County, IL DATE: 2/03

SYMBOL	LABEL	MAJOR CODE	MINOR CODE	NAME	DEFINITION
	CLA	900	309	Clay Spot	Surface texture is silty clay or clay. Typically 1/4 to 2 acres.
	ESB	900	204	Escarpment, bedrock	A relatively continuous and steep slope or cliff produced by erosion or faulting breaking the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.
	ESO	900	206	Escarpment, nonbedrock	A relatively continuous and steep slope or cliff produced by erosion or faulting breaking the general continuity of more gently sloping land surfaces. Exposed non-bedrock material is developed soil.
	GRA	900	310	Gravelly spot	A spot where the surface layer has more than 35 percent, by volume, rock fragments that are mostly less than 3 inches in diameter. Typically 1/4 to 2 acres.
	MAR	905	111	Marsh or swamp	A water saturated, very poorly drained area, intermittently or permanently covered by water. Sedges, cattails, and rushes dominate marsh areas. Trees or shrubs dominate swamps. Typically 1/4 to 2 acres.
	MPI	920	325	Mine or quarry	An open excavation from which soil and underlying material are removed and the bedrock is exposed. Also denotes surface openings to underground mines. Typically 1/4 to 2 acres.
	ROC	900	311	Rock outcrop	An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock. Typically 1/4 to 2 acres.
	SAN	900	313	Sandy spot	Surface layer with sand content greater than 75 percent in areas where the surface layer of the named soils of the surrounding map unit have less than about 25 percent sand. Typically 1/4 to 2 acres.
	ERO	900	314	Severely eroded spot	An area where on the average 75 percent or more of the original surface layer has been lost from accelerated erosion. Typically 1/4 to 2 acres.
	SLP	900	203	Short, steep slope	Narrow soil area that has slopes that are at least 1 slope classes steeper than the slope class of the surrounding map unit.
	SPO	900	304	Spoil area	A pile of earthy materials, either smoothed or uneven, resulting from human activity. Typically 1/4 to 2 acres.
	STN			Stony spot	An area with 0.01 to 3 percent of the surface covered with rock fragments that are greater than 10 inches in diameter. Typically 1/4 to 2 acres.

SYMBOL	LABEL	MAJOR CODE	MINOR CODE	NAME	DEFINITION
	WET	905	330	Wet spot	A somewhat poorly drained to very poorly drained area that is at least 2 drainage classes wetter than the named soils in the surrounding map unit. Typically 1/4 to 2 acres.
	MUC	998	030	Organic spot	Small areas where the soil consists primarily of organic material. May or may not be highly decomposed. Does not include areas having thin stratified layers of muck. Typically 1/4 to 2 acres.
	CSP	998	029	Calcareous spot	Small areas where the soil surface layer is calcareous (reacts to 1N HCl) in areas where the surface layer of the named soils do not react. Typically 1/4 to 2 acres.
	DSS	998	020	Disturbed soil spot	Small man-disturbed areas that consist primarily of earth fill from excavations. The soil material is capable of supporting plant life. In many places it contains fragments of bricks, concrete, broken glass, etc. Typically 1/4 to 2 acres.
	GLA	998	040	Glacial till spot	Areas where the surface layer is loamy glacial till. Stones are often scattered over the surface. Primarily in moderately sloping to steep mapping units having loess parent material. Includes areas where a paleosol is still present. Typically 1/4 to 2 acres.

PRIME FARMLAND
WHITESIDE COUNTY, ILLINOIS

Map Symbol	Code	Soil Map unit Name
51A	1	MUSCATUNE SILT LOAM, 0 TO 2 PERCENT SLOPES
61A	2	ATTERBERRY SILT LOAM, 0 TO 2 PERCENT SLOPES
68A	2	SABLE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
69A	2	MILFORD SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
81A	1	LITTLETON SILT LOAM, 0 TO 2 PERCENT SLOPES
86B	1	OSCO SILT LOAM, 2 TO 5 PERCENT SLOPES
87A	1	DICKINSON SANDY LOAM, 0 TO 2 PERCENT SLOPES
87B2	1	DICKINSON SANDY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
104A	2	VIRGIL SILT LOAM, 0 TO 2 PERCENT SLOPES
152A	2	DRUMMER SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
172A	1	HOOPESTON SANDY LOAM, 0 TO 2 PERCENT SLOPES
175B2	1	LAMONT FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES, ERODED
198A	1	ELBURN SILT LOAM, 0 TO 2 PERCENT SLOPES
200A	2	ORIO LOAM, 0 TO 2 PERCENT SLOPES
201A	2	GILFORD FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES
206A	2	THORP SILT LOAM, 0 TO 2 PERCENT SLOPES
261A	2	NIOTA SILT LOAM, 0 TO 2 PERCENT SLOPES
262A	1	DENROCK SILT LOAM, 0 TO 2 PERCENT SLOPES
268B	1	MT. CARROLL SILT LOAM, 2 TO 5 PERCENT SLOPES
274B	1	SEATON SILT LOAM, 2 TO 5 PERCENT SLOPES
275A	1	JOY SILT LOAM, 0 TO 2 PERCENT SLOPES
277B	1	PORT BYRON SILT LOAM, 2 TO 5 PERCENT SLOPES
279B	1	ROZETTA SILT LOAM, 2 TO 5 PERCENT SLOPES
280B	1	FAYETTE SILT LOAM, 2 TO 5 PERCENT SLOPES
411B	1	ASHDALE SILT LOAM, 2 TO 5 PERCENT SLOPES
412B	1	OGLE SILT LOAM, 2 TO 5 PERCENT SLOPES
430A	1	RADDLE SILT LOAM, 0 TO 2 PERCENT SLOPES
430B	1	RADDLE SILT LOAM, 2 TO 5 PERCENT SLOPES
485B	1	RICHWOOD SILT LOAM, 2 TO 5 PERCENT SLOPES
486B	1	BERTRAND SILT LOAM, 2 TO 5 PERCENT SLOPES
487A	1	JOYCE SILT LOAM, 0 TO 2 PERCENT SLOPES
488A	2	HOOPPOLE LOAM, 0 TO 2 PERCENT SLOPES
509B	1	WHALAN LOAM, 2 TO 5 PERCENT SLOPES
529A	2	SELMASS SILT LOAM, 0 TO 2 PERCENT SLOPES
564A	1	WAUKEGAN SILT LOAM, 0 TO 2 PERCENT SLOPES
564B	1	WAUKEGAN SILT LOAM, 2 TO 5 PERCENT SLOPES
565B	1	TELL SILT LOAM, 2 TO 5 PERCENT SLOPES
647A	1	LAWLER LOAM, 0 TO 2 PERCENT SLOPES
675B	1	GREENBUSH SILT LOAM, 2 TO 5 PERCENT SLOPES
686B	1	PARKWAY SILT LOAM, 2 TO 5 PERCENT SLOPES
727A	1	WAUKEE LOAM, 0 TO 2 PERCENT SLOPES
759A	2	UDOLPHO LOAM, SANDY SUBSTRATRUM, 0 TO 2 PERCENT SLOPES
760A	2	MARSHAN LOAM, SANDY SUBSTRATRUM, 0 TO 2 PERCENT SLOPES
763A	1	JOSLIN SILT LOAM, 0 TO 2 PERCENT SLOPES
767A	2	PROPHETSTOWN SILT LOAM, 0 TO 2 PERCENT SLOPES
3076A	5	OTTER SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED

Map Symbol	Code	Soil Map unit Name
3077A	3	HUNTSVILLE SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
3107A	5	SAWMILL SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
3302A	5	AMBRAW SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
3321A	3	DUPAGE SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
3400A	5	CALCO SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
3404A	5	TITUS SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
3415A	3	ORION SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
3428A	3	COFFEEN SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
3451A	3	LAWSON SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
3452A	3	RILEY LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
7070A	2	BEAUCOUP SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED
7073A	1	ROSS SILT LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED
7076A	2	OTTER SILT LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED
7082A	2	MILLINGTON CLAY LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED
7107A	2	SAWMILL SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED
7302A	2	AMBRAW CLAY LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED
7345A	2	ELVERS SILT LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED
7404A	2	TITUS SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED
7428A	1	COFFEEN SILT LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED
7452A	1	RILEY LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED
7516A	2	FAXON SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED
7603A	2	BLACKOAR SILT LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED
7682A	1	MEDWAY LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED
8107+	2	SAWMILL SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, OVERWASH
8166A	2	COHOCTAH LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED
8302A	2	AMBRAW LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED
8321A	1	DUPAGE SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED
8400A	2	CALCO SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED
8404A	2	TITUS SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED
8415A	1	ORION SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED
8451A	1	LAWSON SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED
8452A	1	RILEY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED
8499A	2	FELLA SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED

1 All areas are prime farmland.
2 Only drained areas are prime farmland.
3 Only areas protected from flooding or not frequently flooded during the growing season are prime farmland.
5 Only drained areas that are either protected from flooding or not frequently flooded during the growing season are prime farmland.

CONVERSION LEGEND FOR
WHITESIDE COUNTY ILLINOIS

Field symbol	Publi-cation symbol
8D3	8D3
8F2	8F2
21C2	21C2
21D2	21D2
49A	49A
51A	51A
54C	54C
54E	54E
61A	61A
68A	68A
69A	69A
81A	81A
86B	86B
86C2	86C2
87A	87A
87B2	87B2
88A	88A
88C	88C
88E	88E
98B	98B
104A	104A
152A	152A
171B	686B
171C2	686C2
172A	172A
175B2	175B2
175D2	175D2
175F	175F
198A	198A
200A	200A
201A	201A
206A	206A
233C2	233C2
261A	261A
262A	262A
268B	268B
268C2	268C2

Field symbol	Publi-cation symbol
274B	274B
274C2	274C2
274D2	274D2
275A	275A
277B	277B
277C	277C
279B	279B
279C2	279C2
280B	280B
280C2	280C2
354A	354A
383B	675B
383C2	675C2
410D2	410D2
411B	411B
412B	412B
412C	412C
430A	430A
430B	430B
485B	485B
485C2	485C2
486B	486B
486C2	486C2
487A	487A
488A	488A
509B	509B
529A	529A
533	533
564A	564A
564B	564B
564C2	564C2
565B	565B
565C2	565C2
565D2	565D2
638A	638A
647A	647A
689B	689B

Field symbol	Publi-cation symbol
689D	689D
727A	727A
759A	759A
760A	760A
763A	763A
767A	767A
777A	777A
785G	785G
802B	802B
865	865
868	868
869	869
917C2	917C2
917D2	917D2
943D3	943D3
943E3	943E3
943F2	943F2
1082A	1082A
1107A	1107A
1334A	3646L
1381A	3646L
2087B	2087B
2198A	2198A
2408A	2408A
2485B	2485B
3076A	3076A
3077A	3077A
3107A	3107A
3302A	3302A
3321A	3321A
3400A	3400A
3404A	3404A
3415A	3415A
3428A	3428A
3451A	3451A
3452A	3452A

Field symbol	Publi-cation symbol
4400A	1400A
7070A	7070A
7073A	7073A
7076A	7076A
7082A	7082A
7100A	7100A
7103A	7103A
7107A	7107A
7210A	7210A
7302A	7302A
7345A	7345A
7349B	7349B
7404A	7404A
7428A	7428A
7452A	7452A
7516A	7516A
7603A	7603A
7682A	7682A
7777A	7777A
8107+	8107+
8166A	8166A
8302A	8302A
8321A	8321A
8400A	8400A
8404A	8404A
8415A	8415A
8451A	8451A
8452A	8452A
8499A	8499A
8516A	7516A
M-W	M-W
W	W

SOIL IDENTIFICATION LEGEND ACCORDING TO ALPHABETICAL SEQUENCE

Map Symbol	Approved Map Unit Name
98B	Ade loamy fine sand, 2 to 7 percent slopes
777A	Adrian muck, 0 to 2 percent slopes
7777A	Adrian muck, 0 to 2 percent slopes, rarely flooded
7302A	Ambraw clay loam, 0 to 2 percent slopes, rarely flooded
8302A	Ambraw loam, 0 to 2 percent slopes, occasionally flooded
3302A	Ambraw silty clay loam, 0 to 2 percent slopes, frequently flooded
2408A	Aquents- Urban land complex, 0 to 2 percent slopes
411B	Ashdale silt loam, 2 to 5 percent slopes
61A	Atterberry silt loam, 0 to 2 percent slopes
7070A	Beaucoup silty clay loam, 0 to 2 percent slopes, rarely flooded
486B	Bertrand silt loam, 2 to 5 percent slopes
486C2	Bertrand silt loam, 5 to 10 percent slopes, eroded
233C2	Birkbeck silt loam, 5 to 10 percent slopes, eroded
7603A	Blackoar silt loam, 0 to 2 percent slopes, rarely flooded
3400A	Calco silty clay loam, 0 to 2 percent slopes, frequently flooded
1400A	Calco silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
8400A	Calco silty clay, loam 0 to 2 percent slopes, occasionally flooded
3428A	Coffeen silt loam, 0 to 2 percent slopes, frequently flooded
7428A	Coffeen silt loam, 0 to 2 percent slopes, rarely flooded
8166A	Cohoctah loam, 0 to 2 percent slopes, occasionally flooded
689B	Coloma sand, 1 to 7 percent slopes
689D	Coloma sand, 7 to 15 percent slopes
262A	Denrock silt loam, 0 to 2 percent slopes
87A	Dickinson sandy loam, 0 to 2 percent slopes
87B2	Dickinson sandy loam, 2 to 7 percent slopes, eroded
2087B	Dickinson- Urban land complex, 1 to 7 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes
3321A	DuPage silt loam, 0 to 2 percent slopes, frequently flooded
8321A	DuPage silt loam, 0 to 2 percent slopes, occasionally flooded
198A	Elburn silt loam, 0 to 2 percent slopes
2198A	Elburn- Urban land complex, 0 to 2 percent slopes
7345A	Elvers silt loam, 0 to 2 percent slopes, rarely flooded
7516A	Faxon silty clay loam, 0 to 2 percent slopes, rarely flooded
280B	Fayette silt loam, 2 to 5 percent slopes
280C2	Fayette silt loam, 5 to 10 percent slopes, eroded
8499A	Fella silty clay loam, 0 to 2 percent slopes, occasionally flooded
3646L	Fluvaquents, loamy, 0 to 2 percent slopes, frequently flooded, long duration
201A	Gilford fine sandy loam, 0 to 2 percent slopes
675B	Greenbush silt loam, 2 to 5 percent slopes
675C2	Greenbush silt loam, 5 to 10 percent slopes, eroded
8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded
8F2	Hickory silt loam, 18 to 35 percent slopes, eroded
354A	Hononegah loamy sand, 0 to 3 percent slopes
172A	Hoopeston sandy loam, 0 to 2 percent slopes
488A	Hooppole loam, 0 to 2 percent slopes
7103A	Houghton muck, 0 to 2 percent slopes, rarely flooded
3077A	Huntsville silt loam, 0 to 2 percent slopes, frequently flooded
763A	Joslin silt loam 0 to 2 percent slopes
275A	Joy silt loam, 0 to 2 percent slopes
487A	Joyce silt loam, 0 to 2 percent slopes
785G	Lacrescent cobbly loam 25 to 60 percent slopes

Map Symbol	Approved Map Unit Name
175D2	Lamont fine sandy loam, 10 to 18 percent slopes eroded
175F	Lamont fine sandy loam, 18 to 35 percent slopes
175B2	Lamont fine sandy loam, 2 to 5 percent slopes, eroded
647A	Lawler loam, 0 to 2 percent slopes
3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded
8451A	Lawson silt loam, 0 to 2 percent slopes, occasionally flooded
7210A	Lena muck, 0 to 2 percent slopes, rarely flooded
81A	Littleton silt loam, 0 to 2 percent slopes
760A	Marshan loam, sandy substratum, 0 to 2 percent slopes
7682A	Medway loam, 0 to 2 percent slopes, rarely flooded
69A	Milford silty clay loam, 0 to 2 percent slopes
7082A	Millington clay loam, 0 to 2 percent slopes, rarely flooded
1082A	Millington silt loam, undrained, 0 to 2 percent slopes, frequently flooded
M-W	Miscellaneous Water
268B	Mt. Carroll silt loam, 2 to 5 percent slopes
268C2	Mt. Carroll silt loam, 5 to 10 percent slopes, eroded
51A	Muscatune silt loam, 0 to 2 percent slopes
638A	Muskego muck, 0 to 2 percent slopes
261A	Niota silt loam, 0 to 2 percent slopes
917D2	Oakville - Tell complex, 10 to 18 percent slopes, eroded
917C2	Oakville - Tell complex, 5 to 10 percent slopes, eroded
412B	Ogle silt loam, 2 to 5 percent slopes
412C	Ogle silt loam, 5 to 10 percent slopes
200A	Orio loam, 0 to 2 percent slopes
3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded
8415A	Orion silt loam, 0 to 2 percent slopes, occasionally flooded
802B	Orthents, loamy, undulating
86B	Osco silt loam, 2 to 5 percent slopes
86C2	Osco silt loam, 5 to 10 percent slopes, eroded
3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded
7076A	Otter silt loam, 0 to 2 percent slopes, rarely flooded
7100A	Palms muck, 0 to 2 percent slopes, rarely flooded
686B	Parkway silt loam, 2 to 5 percent slopes
686C2	Parkway silt loam, 5 to 10 percent slopes, eroded
21D2	Pecatonica silt loam, 10 to 18 percent slopes, eroded
21C2	Pecatonica silt loam, 5 to 10 percent slopes, eroded
865	Pits, gravel
868	Pits, organic
869	Pits, quarries - Orthents complex
54E	Plainfield sand, 12 to 20 percent slopes
54C	Plainfield sand, 6 to 12 percent slopes
277B	Port Byron silt loam, 2 to 5 percent slopes
277C	Port Byron silt loam, 5 to 10 percent slopes
767A	Prophetstown silt loam, 0 t 2 percent slopes
430A	Raddle silt loam, 0 to 2 percent slopes
430B	Raddle silt loam, 2 to 5 percent slopes
485B	Richwood silt loam, 2 to 5 percent slopes
485C2	Richwood silt loam, 5 to 10 percent slopes, eroded
2485B	Richwood- Urban land complex, 2 to 5 percent slopes
3452A	Riley loam, 0 to 2 percent slopes, frequently flooded
8452A	Riley loam, 0 to 2 percent slopes, occasionally flooded
7452A	Riley loam, 0 to 2 percent slopes, rarely flooded
7073A	Ross silt loam, 0 to 2 percent slopes, rarely flooded

Map Symbol	Approved Map Unit Name
279B	Rozetta silt loam, 2 to 5 percent slopes
279C2	Rozetta silt loam, 5 to 10 percent slopes, eroded
68A	Sable silty clay loam, 0 to 2 percent slopes
8107+	Sawmill silt loam, 0 to 2 percent slopes, occasionally flooded, overwash
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
7107A	Sawmill silty clay loam, 0 to 2 percent slopes, rarely flooded
1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
274D2	Seaton silt loam, 10 to 18 percent slopes, eroded
274B	Seaton silt loam, 2 to 5 percent slopes
274C2	Seaton silt loam, 5 to 10 percent slopes, eroded
943D3	Seaton-Timula silt loams, 10 to 18 percent slopes, severely eroded
943E3	Seaton-Timula silt loams, 18 to 25 percent slopes, severely eroded
943F2	Seaton-Timula silt loams, 18 to 35 percent slopes, eroded
529A	Selmass silt loam, 0 to 2 percent slopes
88A	Sparta loamy sand, 0 to 2 percent slopes
88E	Sparta loamy sand, 12 to 20 percent slopes
88C	Sparta loamy sand, 6 to 12 percent slopes
565D2	Tell silt loam, 10 to 18 percent slopes, eroded
565B	Tell silt loam, 2 to 5 percent slopes
565C2	Tell silt loam, 5 to 10 percent slopes, eroded
206A	Thorp silt loam, 0 to 2 percent slopes
3404A	Titus silty clay loam, 0 to 2 percent slopes, frequently flooded
8404A	Titus silty clay loam, 0 to 2 percent slopes, occasionally flooded
7404A	Titus silty clay loam, 0 to 2 percent slopes, rarely flooded
759A	Udolpho loam, sandy substratum, 0 to 2 percent slopes
533	Urban land
104A	Virgil silt loam, 0 to 2 percent slopes
W	Water
49A	Watseka loamy fine sand, 0 to 2 percent slopes
727A	Waukee loam, 0 to 2 percent slopes
564A	Waukegan silt loam, 0 to 2 percent slopes
564B	Waukegan silt loam, 2 to 5 percent slopes
564C2	Waukegan silt loam, 5 to 10 percent slopes, eroded
509B	Whalan loam, 2 to 5 percent slopes
410D2	Woodbine silt loam, 10 to 18 percent slopes, eroded
7349B	Zumbro sandy loam, 1 to 4 percent slopes, rarely flooded

Classification of Pedons Sampled for Laboratory Analysis

The classification of pedons sampled for laboratory analysis for Whiteside County is not included in this document. Information relating to sampling and analysis of soils for this update are archived at the University of Illinois, Department of Natural Resources and Environmental Sciences, Urbana, Illinois 61801 and the National Soil Survey Laboratory, Lincoln, Nebraska.

Notes to Accompany the
Correlation of the Soils of
Whiteside County, Illinois
by
Steve Elmer, John Doll, and Tom Neuenfeldt
January, 2003

Ade Series:
The depth of lamellae is shallower than defined for the range of the series. These soils are not as acid in the subsoil as defined for the Ade series.

Pedon 87-195-442 from Whiteside County is the type location for this series in MLRA 108B.

Adrian Series:
Pedon 84-195-321 from Whiteside County is the type location for the series in MLRA 108B.

Ambraw Series:
Pedon 85-195-353 from Whiteside County is the type location for the series in MLRA 108B.

Ashdale Series:
These soils are formed in 40 to 60 inches of loess over limestone bedrock. The field data from Whiteside County indicated the clay content of the series control section averages about 26 percent in the county. The official series description currently allows 27 to 35 percent clay in the control section.

Pedon 78-103-11 from Lee County, IL is the type location for the series in MLRA 108B.

Atterberry Series:
OSD pedon 83-011-108 from Bureau County, IL is also the type location for the series in MLRA 108B.

Beaucoup Series:
Pedon 84-195-281 from Whiteside County is the type location for the series in MLRA 108B.

Bertrand Series:
Pedon 85-195-331 from Whiteside County is the type location for the series in MLRA 108B.

Birds Series: (drop)
These soils occur on islands and shorelines along the unprotected areas of the Mississippi River between the river and the levees. They are formed in recent alluvium that is aggrading yearly. These areas lack an A horizon because the recent sediments are deposited faster than an A horizon can form.

Soils on similar positions in other recent northwestern Illinois update projects along the Mississippi River have correlated these polygons to Fluvaquents (mixed, active, mesic Typic Fluvaquents). This Birds soil is being correlated to Fluvaquents in Whiteside County to join these adjacent projects.

Birkbeck Series:
Pedon 82-011-78 from Bureau County, IL is the type location for the series in MLRA 108B.

Blackoar Series:
Pedon 84-195-280 from Whiteside County is the type location for the series in MLRA 108B.

Calco Series:
Pedon 83-195-240 from Whiteside County is the type location for the series in MLRA 108B.

Catlin Series: (drop)

The Parkway series (Typic Argiudolls) is established to replace the Catlin series (Oxyaquic Argiudolls) on the Illinoian till plain in northwestern Illinois. The Catlin soils in Whiteside County are correlated to the Parkway series with this update.

Coffeen Series:
Pedon 84-195-283 from Whiteside County is the type location for the series in MLRA 108B.

Cohoctah Series:
Pedon 83-195-131 from Whiteside County is the type location for the series in MLRA 108B.

Coloma Series: (add)
This series is added to replace the Plainfield polygons on summits and terrace breaks of outwash plains that typically contain textural lamella in the lower part of the control section.

Pedon 00-131-2 from Mercer County, Illinois is the type location for the series in MLRA 108B and 115C.

Craigmile Series: (drop)
These soils were previously mapped on islands and shorelines along the unprotected areas of the Mississippi River between the river and the levees. They are formed in recent alluvium that is aggrading yearly. These areas do not have an A horizon because the recent sediments are deposited faster than an A horizon can form.

Soils on similar positions in other recent northwestern Illinois update projects along the Mississippi River have been correlated to Fluvaquents (mixed, active, mesic Typic Fluvaquents). The Craigmile soils are correlated to Fluvaquents in Whiteside County to join these adjacent projects.

Denrock Series:
Pedon 83-195-232 from Whiteside County is the type location for the series in MLRA 108B.

Dickinson Series:
Pedon 82-011-112 from Bureau County, Illinois is the type location for the series in MLRA 108B.

Map unit 87B2 is a taxadjunct to the series because it has a thinner dark colored surface layer than defined for the series. It classifies coarse-loamy, mixed, superactive, mesic Dystric Eutrudepts.

Downs Series: (drop)
These soils were originally correlated and subsequently confirmed in the previous soil survey update as the moderately wet phase of the series, with a seasonal water table at 4 to 6 feet. Since then, other area updates have established the Greenbush series to replace the moderately wet phase of the Downs series. The Downs soils in Whiteside County are being correlated to the Greenbush series with this update.

Drummer Series:
The OSD pedon 96-019-005 from Champaign County, Illinois is also the type location for the series in MLRA 108B.

The Drummer soils in Whiteside County primarily occur south of the Rock River. They contain less clay in the series control section than are defined for the series.

North of the Rock River these soils formed in loess over Wisconsin outwash on an Illinoian age landscape rather than Wisconsin age landscape. They contain less clay in the series control section than defined for the series. Three of these areas were field checked during the previous update in 1995-97. These areas were previously correlated as Drummer silty clay loam, sandy substratum. The sandy substratum phase is correlated to the Selmass series (529 map unit) with this correlation. They are adjacent to map units Richwood, Joyce, and Waukegan soils. (See correlation notes for Selmass series.)

During the 1997 correlation the following model was discussed:

Selmass series should allow 20 to 40 inches of loess over outwash.
(See correlation notes for Selmass series.)
Drummer series formed in 40 to 60 inches of loess over outwash.
Sable, sandy substratum phase formed in 60 to 80 inches of loess over outwash.
Sable formed in greater than 80 inches of loess.

DuPage Series:
Pedon 84-195-270 from Whiteside County is the type location for the series in MLRA 108B.

Elburn Series:
Pedon 85-011-8 from Bureau County, Illinois is the type location for the series in MLRA 108B.

Elvers Series:
Pedon 85-195-368 from Whiteside County is the type location for the series in MLRA 108B.

Faxon Series:
Pedon 85-195-405 from Whiteside County is the type location for the series in MLRA 108B.

These soils in Whiteside County are taxadjuncts because they have a lower content of sand coarser than very fine sand in the series control section than defined for the series. They also have an irregular decrease in organic carbon. They classify as Fine-silty, mixed, mesic Fluvaquentic Endoaquolls.

There are about 600 acres of Faxon soils in Whiteside County. In Illinois these soils have been correlated as Fine-silty family class in DuPage County, and Fine-loamy in Grundy, Kane, and Kankakee counties.

Fayette Series:
These soils in Whiteside County are less acid than is defined for the series.
Pedon 87-187-018 from Warren County, Illinois is the type location for the series in MLRA 108B.

Fella Series:
Pedon 95-011-2 from Bureau County, Illinois is the type location for the series in MLRA 108B.

Fluvaquents: (add)

This great group is added with this update. It replaces the Birds and Craigmile soils on the unprotected islands and shorelines of the Mississippi River.
This joins correlation decisions made in recent updates along the Mississippi River in northwestern Illinois.

Gilford Series:
Pedon 83-195-124 from Whiteside County is the type location for the series in MLRA 108B.

Greenbush Series: (add)
This series replaces the Downs, moderately wet phase in northwestern Illinois update projects.

OSD pedon 86-187-78 from Warren County, Illinois is also the type location for the series in MLRA 108B.

Hickory Series:
Pedon 85-011-20 from Bureau County, Illinois is the type location for this series in MLRA 108B.

Map unit 8F2 has carbonates shallower than defined for the series. These soils in Whiteside County are formed in truncated Illinoian age till. This commonly occurs in the northern and western parts of the Illinoian till plain that are in close proximity to the Wisconsinan till plain. These map units are similar to the Senachwine (formerly Miami) series, fine-loamy, mixed, mesic Typic Hapludalfs that developed in Wisconsin age glacial till.

Hononegah Series:
Pedon 86-195-424 from Whiteside County is the type location for the series in MLRA 108B.

Hoopeston Series:
Pedon 84-195-314 in Whiteside County is the type location for the series in MLRA 108B.

Hooppole Series:
Pedon 83-011-66 from Bureau County, Illinois is the type location for the series in MLRA 108B.

Houghton Series:
Pedon 82-011-55 from Bureau County, Illinois is the type location for the series in MLRA 108B.

Huntsville Series:
Pedon 78-095-4 from Knox County, Illinois is the type location for the series in MLRA 108B.

Joslin Series:
The OSD pedon 98-161-028 from Rock Island County, Illinois is also the type location for the series in MLRA 108B.

These soils were previously correlated as taxadjuncts in Whiteside County because they were thought to have less than 15 percent sand coarser than very fine in the upper 20 inches of the argillic horizon. The taxadjunct classification was -- Fine-silty, mixed, mesic Typic Argiudolls.

There is about 1000 acres in Whiteside County and 1600 acres in Rock Island County. There is no lab data available to determine the range of the sand fraction. Soils that were field mapped and shown on the initial field review for the published soil survey as Coyne soils (Coarse-loamy) were thought to be higher in clay content than Coyne and were included in the Joslin soils. Hence, there are areas in Whiteside County were the soils definitely fit within the concept of Joslin.

With this update, the Joslin soils are not considered to be taxadjuncts. A note in the map unit description will cover these similar soils that have less sand the upper part of the soil profile.

Joy Series:
Pedon 83-195-146 from Whiteside County is the type location for the series in MLRA 108B.

Joyce Series:
The OSD pedon 83-195-150 from Whiteside County is also the type location for the series in MLRA 108B.

Lacrescent Series:
Pedon 85-195-371 from Whiteside County is the type location for the series in MLRA 108B.

These soils have carbonates throughout the series control section in Whiteside County. The source of the carbonates are from the limestone bedrock and Illinoian age till.

Lamont Series:
Pedon 82-011-135 from Bureau County, Illinois is the type location for the series in MLRA 108B.

These soils contain lamellae above 60 inches which is higher in the profile than is defined for the series. Soils in map units 175D2 and 175F have higher pH in the series control section than defined for the series. Soils in map unit (175F) have carbonates in the lower part of the series control section.

Lawler Series:
Pedon 83-195-152 from Whiteside County is the type location for the series in MLRA 108B.

Lawson Series:
Pedon 84-011-12 from Bureau County, Illinois is the type location for the series in MLRA 108B.

Lena Series:
Pedon 82-011-37 from Bureau County, Illinois is the type location for the series in MLRA 108B.

Littleton Series:
Pedon 85-195-398 from Whiteside County is the type location for the series in MLRA 108B.

Marshan Series:
Pedon 86-195-429 from Whiteside County is the type location for the series in MLRA 108B.

These soils in Whiteside County have about 2 percent gravel in the 2C horizon. The OSD allows stratified textures of sand, coarse sand and gravel with about 5 to 50 percent gravel.

A sandy substratum phase of the Marshan series has been developed with this correlation to accommodate the lower gravel content in the 2C horizon.

Medway Series:
Pedon 84-195-253 from Whiteside County is the type location for the series in MLRA 108B.

Milford Series:
Pedon 84-195-320 from Whiteside County is the type location for the series in MLRA 108B.

Millington Series:
Pedon 83-195-245 from Whiteside County is the type location for the series in MLRA 108B.

Mt. Carroll Series:
Pedon 82-195-14 from Whiteside County is the type location for the series in MLRA 108B.

Muscatune Series:
Pedon 86-187-100 from Warren County, Illinois is the type location for the series in MLRA 108B.

Muskego Series:
Pedon 82-011-132 from Bureau County, Illinois is the type location for the series in MLRA 108B.

Niota Series:
Pedon 84-195-267 from Whiteside County is the type location for the series in MLRA 108B.

Oakville Series:
Pedon 82-011-184 from Bureau County, Illinois is the type location for the series in MLRA 108B.

Ogle Series:
The OSD pedon 96-015-14 from Carroll County, Illinois is also the type location for the series in MLRA 108B.

The upper part of the control section of these soils in Whiteside County has a clay content on the lower end of the series allowable range.

Orio Series:
The OSD pedon 78-073-57 from Henry County, Illinois is also the type location for the series in MLRA 108B.

Orion Series:
Pedon 83-195-132 from Whiteside County is the type location for the series in MLRA 108B.

Orthents:

Pedon 84-011-86 from Bureau County, Illinois is the type location for the series in MLRA 108B.

Osco Series:
The OSD pedon 56-015-2 from Carroll County, Illinois is also the type location for the series in MLRA 108B.

Osco soils in map unit (86C2) are taxadjuncts to the series because they have thinner, dark colored surface layer than defined for the series. They classify as Fine-silty, mixed, superactive, mesic Mollic Hapludalfs.

Otter Series:
Pedon 84-195-199 from Whiteside County is the type location for the series in MLRA 108B.

Palms Series:
Pedon 85-195-366 from Whiteside County is the type location for the series in MLRA 108B.

Parkway Series:
The Parkway series was established to replace the Catlin series on the Illinoian till plain in northwestern Illinois. Parkway soils classify as fine-silty, mixed, superactive, mesic Typic Argiudolls.

The OSD pedon 78-073-63 from Henry County, Illinois is also the type location for the series in MLRA 108B.

Parkway soils in map unit (686C2) are taxadjuncts to the series because they have thinner, dark colored surface layer than defined for the series. They classify as Fine-silty, mixed, superactive, mesic Mollic Hapludalfs.

Pecatonica Series:
Pedon 85-195-380 from Whiteside County is the type location for the series in MLRA 108B. Map unit 21D2 was added to the legend with this correlation for joining with Carroll County.

Pits, Gravel:
These miscellaneous areas are mostly composed of sandy materials with some gravel.

Pits, Organic:

These miscellaneous areas are composed of organic products that are mined for commercial use.

Pits, Quarries-orthents:
These are areas used for fill material that include soil and bedrock materials.

Plainfield Series:
Pedon 83-195-141 from Whiteside County is the type location for the series in MLRA 108B.

Polygons of this series occur on two distinctly separate landscapes within Whiteside County: nearly level to gently sloping outwash plains, and sloping to steep dunes on outwash plains. A recent (2000-2001) multi-county special study confirmed the presence of textural lamella in these soils on the outwash plains within MLRA 108B and 115C, including Whiteside County. The data collected resulted in the correlation of the Plainfield series to the Coloma series on outwash plain landscapes.

Port Byron Series:
The OSD pedon 83-195-220 from Whiteside County is also the type location for the series in MLRA 108B.

Prophetstown Series:

The OSD pedon 83-195-210 from Whiteside County is also the type location for the series in MLRA 108B.

Raddle Series:
Pedon 82-195-63 from Whiteside County is the type location for the series in MLRA 108B.

Richwood Series:
Pedon 78-073-58 from Henry County, Illinois is the type location for the series in MLRA 108B.

Richwood soils in map unit (485C2) are taxadjuncts to the series because they have thinner, dark colored surface layer than defined for the series. They classify as Fine-silty, mixed, superactive, mesic Mollic Hapludalfs.

Riley Series:
Pedon 84-195-286 from Whiteside County is the type location for the series in MLRA 108B.

Ross Series:
Pedon 85-179-17 from Tazewell County, Illinois is the type location for the series in MLRA 108B.

Rozetta Series:
The OSD pedon 96-177-12 from Stephenson County, Illinois is also the type location for the series in MLRA 108B.

Sable Series:
The OSD pedon 57-187-1 from Warren County, Illinois is also the type location for the series in MLRA 108B.

Sawmill Series:
The OSD pedon 96-167-18 from Sangamon County, Illinois is also the type location for the series in MLRA 108B.

Seaton Series:
Pedon 83-195-120 from Whiteside County is the type location for the series in MLRA 108B.

Selmass Series:
Pedon 86-195-120 from Whiteside County is the type location for the series in MLRA 108B.

These soils in Whiteside County typically have 20 to 40 inches of loess over the underlying loamy outwash.

Sparta Series:
Pedon 73-141-15 from Ogle County, Illinois is the type location for the series in MLRA 108B.

Tell Series:
Pedon 82-011-138 from Bureau County, Illinois is the type location for the series in MLRA 108B.

Thorp Series:
The OSD pedon 96-099-8 from La Salle County, Illinois is also the type location for the series in MLRA 108B.

The 2C horizon in Whiteside County is slightly more acid than defined for the series.

Timula Series:
Pedon 83-195-117 from Whiteside County is the type location for the series in MLRA 108B.

Titus Series:
Pedon 84-195-324 from Whiteside County is the type location for the series in MLRA 108B.

Udolpho Series:
These soils in Whiteside County have less than 10 percent coarse fragments in the lower part of the series control section. The series range allows 10 to 50 percent.

A sandy substratum phase is correlated with this correlation (pedon 85-195-332 from Whiteside County).

Virgil Series:
The OSD pedon 96-177-3 from Stephenson County, Illinois is also the type location for the series in MLRA 108B.

Watseka Series:
Pedon 85-195-346 from Whiteside County is the type location for the series in MLRA 108B.

Waukee Series:
Pedon 85-195-403 is the type location for the series in MLRA 108B.

These soils are slightly less acid in the middle 1/3 (B horizons) of the series control section. The range as defined for the series is medium or strongly acid.

Waukegan Series:
Pedon 82-011-106 from Bureau County, Illinois is the type location for the series in MLRA 108B.

Map unit 564C2 in Whiteside County is a taxadjunct to the series because it has a thinner, dark colored surface layer than defined for the series. These soils classify as Fine-silty over sandy or sandy-skeletal, mixed, superactive, mesic Dystric Eutrudepts.

Whalan Series:
Pedon 85-195-383 from Whiteside County is the type location for the series in MLRA 108B.

Woodbine Series:

OSD pedon 03-177-6 from Stephenson County, Illinois is the type location for the series in MLRA 108B.

Zumbro Series:
Pedon 85-195-392 from Whiteside County is the type location for the series in MLRA 108B.

Soil name	Family or higher taxonomic class
Ade	Coarse-loamy, mixed, superactive mesic Lamellic Argiudolls
Adrian	Sandy or sandy-skeletal, mixed, euic, mesic Terric Haplosaprists
Ambraw	Fine-loamy, mixed, superactive, mesic Fluvaquentic Endoaquolls
Aquents	Aquents
Ashdale	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Atterberry	Fine-silty, mixed, superactive, mesic Udollic Endoaqualfs
Beaucoup	Fine-silty, mixed, superactive, mesic Fluvaquentic Endoaquolls
Bertrand	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Birkbeck	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Blackoar	Fine-silty, mixed superactive, mesic Fluvaquentic Endoaquolls
Calco	Fine-silty, mixed, superactive, calcareous, mesic Cumulic Endoaquolls
Coffeen	Coarse-silty, mixed, superactive, mesic Fluvaquentic Hapludolls
Cohoctah	Coarse-loamy, mixed, active, mesic Fluvaquentic Endoaquolls
Coloma	Mixed, mesic Lamellic Udipsamments
Denrock	Fine, mixed, superactive, mesic Aquic Argiudolls
Dickinson	Coarse-loamy, mixed, superactive, mesic Typic Hapludolls
*Dickinson	Coarse-loamy, mixed, superactive, mesic Dystric Eutrudepts
Drummer	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
DuPage	Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls
Elburn	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Elvers	Coarse-silty, mixed, nonacid, mesic Thapto-Histic Fluvaquents
*Faxon	Fine-silty, mixed, superactive, mesic Fluvaquentic Endoaquolls
Fayette	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Fella	Fine-silty, mixed, superactive, mesic Fluvaquentic Endoaquolls
Fluvaquents	Fine-silty, mixed, active, nonacid, mesic Typic Fluvaquents
Gilford	Coarse-loamy, mixed, superactive, mesic Typic Endoaquolls
Greenbush	Fine-silty, mixed mesic Mollic Hapludalfs
Hickory	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Hononegah	Sandy, mixed, mesic Entic Hapludolls
Hoopeston	Coarse-loamy, mixed, superactive, mesic Aquic Hapludolls
Hooppole	Fine-loamy, mixed, superactive, calcareous, mesic Typic Endoaquolls
Houghton	Euic, mesic Typic Haplosaprists
Huntsville	Fine-silty, mixed, superactive, mesic Cumulic Hapludolls
Joslin	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
Joy	Fine-silty, mixed, superactive, mesic Aquic Hapludolls
Joyce	Fine-silty, mixed, superactive, mesic Aquic Hapludolls
Lacrescent	Loamy-skeletal, mixed, superactive, mesic Typic Hapludolls
Lamont	Coarse-loamy, mixed, superactive, mesic Typic Hapludalfs
Lawler	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Aquic Hapludolls
Lawson	Fine-silty, mixed, superactive, mesic Aquic Cumulic Hapludolls
Lena	Euic, mesic Typic Haplosaprists
Littleton	Fine-silty, mixed, superactive, mesic Aquic Cumulic Hapludolls
Marshan	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Endoaquolls
Medway	Fine-loamy, mixed, superactive, mesic Fluvaquentic Hapludolls
Milford	Fine, mixed, superactive, mesic Typic Endoaquolls
Millington	Fine-loamy, mixed, superactive, calcareous, mesic Cumulic Endoaquolls
Mt. Carroll	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs
Muscatune	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Muskego	Coprogenous, euic, mesic Limnic Haplosaprists
Niota	Fine, mixed, superactive, mesic Vertic Albaqualfs
Oakville	Mixed, mesic Typic Udipsamments

Soil name	Family or higher taxonomic class
Ogle	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Orio	Fine-loamy, mixed, active, mesic Mollic Endoaqualfs
Orion	Coarse-silty, mixed, superactive, nonacid, mesic Aquic Udifluvents
Orthents	Fine-loamy, mixed, active, mesic Typic Udorthents
Osco	Fine-silty, mixed, superactive, mesic Typic Argiudolls
*Osco	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs
Otter	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
Palms	Loamy, mixed, euic, mesic Terric Haplosaprists
Parkway	Fine-silty, mixed, superactive, mesic Typic Argiudolls
*Parkway	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs
Pecatonica	Fine-loamy, mixed, superactive, mesic Typic Hapludalfs
Plainfield	Mixed, mesic Typic Udipsamments
Port Byron	Fine-silty, mixed, superactive, mesic Typic Hapludolls
Prophetstown	Fine-silty, mixed, superactive, mesic Typic Calciaquolls
Raddle	Fine-silty, mixed, superactive, mesic Typic Hapludolls
Richwood	Fine-silty, mixed, superactive, mesic Typic Argiudolls
*Richwood	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs
Riley	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Fluvaquentic Hapludolls
Ross	Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls
Rozetta	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Sable	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Sawmill	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
Seaton	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Selmass	Fine-loamy, mixed, superactive, mesic Typic Endoaquolls
Sparta	Sandy, mixed, mesic Entic Hapludolls
Tell	Fine-silty over sandy or sandy-skeletal, mixed, superactive, mesic Typic Hapludalfs
Thorp	Fine-silty, mixed, superactive, mesic Argiaquic Argialbolls
Timula	Coarse-silty, mixed, superactive, mesic Typic Eutrudepts
Titus	Fine, smectitic, mesic Vertic Endoaquolls
Udolpho	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Mollic Endoaqualfs
Virgil	Fine-silty, mixed, superactive, mesic Udollic Endoaqualfs
Watseka	Sandy, mixed, mesic Aquic Hapludolls
Waukee	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Hapludolls
*Waukegan	Fine-silty over sandy or sandy-skeletal, mixed, superactive, mesic Dystric Eutrudepts
Waukegan	Fine-silty over sandy or sandy-skeletal, mixed, superactive, mesic Typic Hapludolls
Whalan	Fine-loamy, mixed, superactive, mesic Typic Hapludalfs
Woodbine	Fine-loamy, mixed, mesic Typic Hapludalfs
Zumbro	Sandy, mixed, mesic Entic Hapludolls

* Indicates that one or more mapping unit using this taxonomic reference term is a taxadjunct to the series and has the classification shown in the table. See "Notes to Accompany..." for additional information.

Certification Statement:

The MO Leader certifies that:

1. This soil survey update joins adjacent published modern soil surveys as follows:
   Carroll County -- Out-of-Date publication; currently being updated. Exact join will be made with the updated maps along county line.
   Lee County -- Published survey; cooperative agreement signed for updating; exact join will be made with the updated maps along county line.
   Ogle County -- Published survey; exact join will be made along county line when Ogle County soil survey is updated; acceptable join currently exists.
   Bureau County -- Published soils survey with SSURGO certified digital and spatial data (1/14/1999); exact join will be made along county line.
   Henry County -- Update soil survey; SSURGO certified digital and spatial data (8/23/2002); manuscript submitted for publication to MO-10; exact join has been made along county line.
   Rock Island County -- Update soil survey; SSURGO certified digital and spatial data (1/30/2003); manuscript submitted for publication to MO-10; exact join has been made along county line.
   Whiteside County Digital Map Update -- Maps and spatial data SSURGO certified (7/29/1999); SSURGO will be updated as part of this soil survey update.

   Joining has been checked with the published detailed and general soil maps in all adjoining counties as indicated above. New names and symbols were added and some names and symbols were deleted. All changes agree with the MLRA 108 soil identification legend.

2. Interpretations are being coordinated with adjoining survey areas. The manuscript will be generated using the MUG (map unit generator) program, therefore, the text and tables will be consistent with the NASIS data. Exceptions to perfect agreement between the NASIS data and the manuscript will be as noted in this Correlation Memorandum.

3. The location of all series typical pedons has been checked for correct location and for the soil delineations using that name. Series typical pedons are those that represent the soils in MLRA 108. Not all typical pedons are located in Whiteside County.

4. All publication symbols will be those shown in the conversion legend and in the feature and symbol legend of this Correlation Memorandum.

5. All typifying pedons used for classification are accurately classified according to Soil Taxonomy.

Approved Signatures and Date:

2-10-03

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St. Paul, Minnesota

2/14/03

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