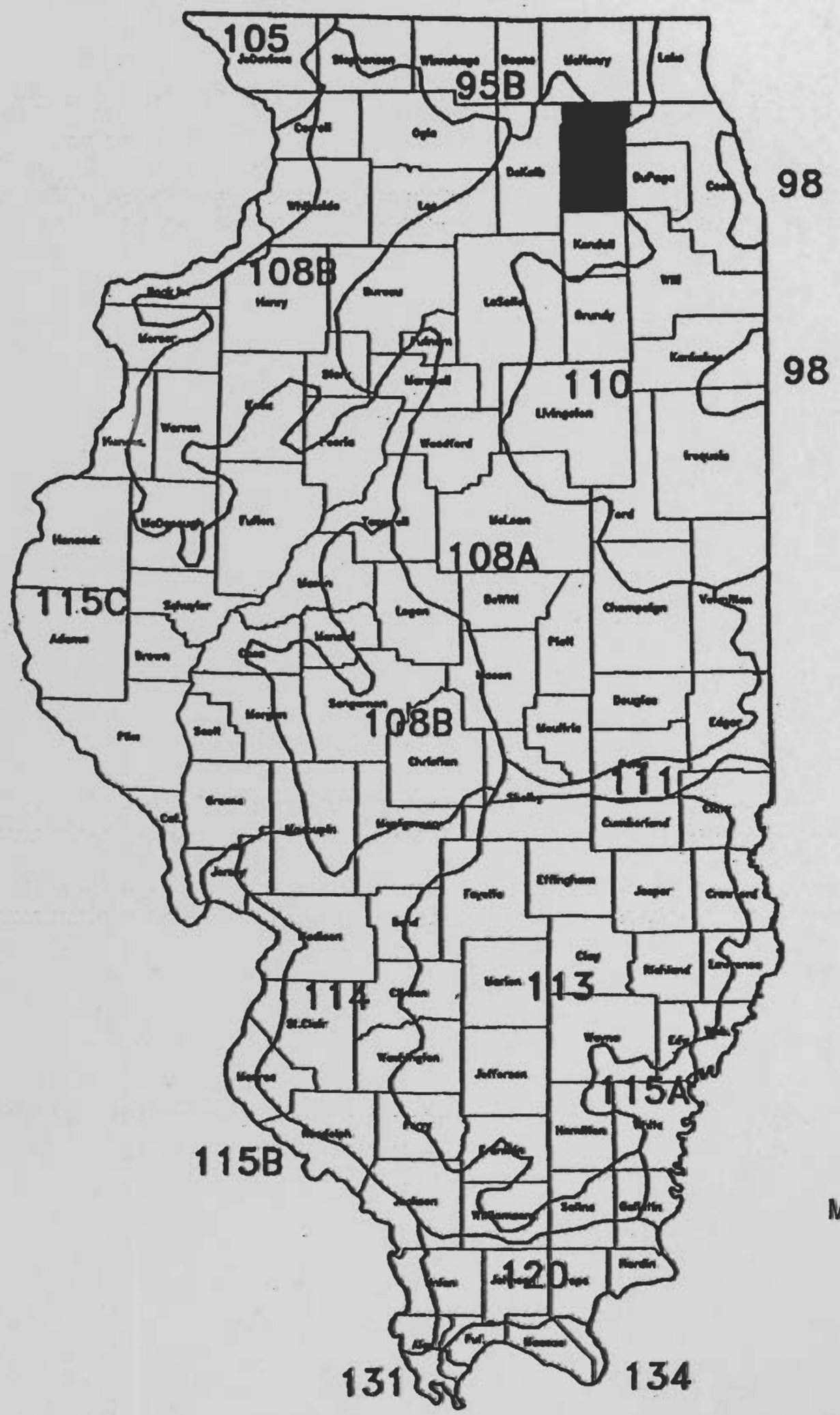
United States
Department of
Agriculture

Natural Resources
Conservation Service

**East Central Glaciated
Regional MLRA
Soil Survey Office
Indianapolis, IN**

Classification and Correlation of Soils in Kane County, Illinois

A Subset of MLRA 95B, 108A, and 110



March, 2000

United States Department of Agriculture
Natural Resources Conservation Service

Classification and Correlation of the Soils of Kane County, Illinois

A Subset of MLRA 95B, 108A, and 110

March 2000

This correlation was prepared by Asghar A. Chowdhery, Soil Data Quality Specialist (SDQS) MLRA Region 11 team, Indianapolis, IN; Dale E. Calsyn, MLRA team leader, Naperville, IL; and Jeffrey A. Deniger, Kane County soil survey project leader, Naperville, IL. It was prepared as part of the update of the Soil Survey of Kane County, a subset of MLRA 95B, 108A, and 110. A final field review was held December 6-8, 1999. This correlation is based on decisions arrived at the final field review, transect data, field notes, pedon descriptions, laboratory data, field soil maps, descriptive legend, "Classification and Correlation of the Soils of Kane County, Illinois" - July 1976, and the published soil survey report - April 1979.

Headnote for detailed soil survey legend:

This update of Kane County, Illinois is an update of a subset of the Soil Survey of Major Land Resource Areas (MLRA) 95B, 108A, and 110. Map units and their symbols and special and conventional symbols are consistent between subsets that are being updated. Map unit symbols consist of 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 a number 3 indicates that it is severely eroded. Absence of a number following the slope class indicates that the soil is slightly eroded or non-eroded.

Correlation of Kane County, Illinois

Field Symbol	Field Map Unit Name	Publication Symbol	Publication Map Unit Name
298	BEECHER SILT LOAM	23A	Blount silt loam, 0 to 2 percent slopes
59	LISBON SILT LOAM	59A	Lisbon silt loam, 0 to 2 percent slopes
59	LISBON SILT LOAM	59B	Lisbon silt loam, 2 to 4 percent slopes
154	Flanagan silt loam	59B	Lisbon silt loam, 2 to 4 percent slopes
60C2	LA ROSE, LOAM, 5 TO 10 PERCENT SLOPES, ERODED	60C2	La Rose silt loam, 5 to 10 percent slopes, eroded
656C2	OCTAGON SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	60C2	La Rose silt loam, 5 to 10 percent slopes, eroded
60D2	LA ROSE LOAM, 10 TO 15 PERCENT SLOPES, ERODED	60D2	La Rose loam, 10 to 18 percent slopes, eroded
656D2	OCTAGON SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED	60D2	La Rose loam, 10 to 18 percent slopes, eroded
59	LISBON SILT LOAM	62A	Herbert silt loam, 0 to 2 percent slopes
62	HERBERT SILT LOAM	62A	Herbert silt loam, 0 to 2 percent slopes
154	Flanagan silt loam	62A	Herbert silt loam, 0 to 2 percent slopes
67	HARPSTER SILTY CLAY LOAM	67A	Harpster silty clay loam, 0 to 2 percent slopes
69	MILFORD SILTY CLAY LOAM	69A	Milford silty clay loam, 0 to 2 percent slopes
103	HOUGHTON MUCK	103A	Houghton muck, 0 to 2 percent slopes
1103	HOUGHTON MUCK, WET	103A	Houghton muck, 0 to 2 percent slopes
104	VIRGIL SILT LOAM	104A	Virgil silt loam, 0 to 2 percent slopes
125	SELMA LOAM	125A	Selma loam, 0 to 2 percent slopes
134C2	Camden silt loam, 5 to 10 percent slopes, eroded	134C2	Camden silt loam, 5 to 10 percent slopes, eroded
146	ELLIOTT SILT LOAM	146A	Elliott silt loam, 0 to 2 percent slopes
146	ELLIOTT SILT LOAM	146B	Elliott silt loam, 2 to 4 percent slopes
148B[1]	PROCTOR SILT LOAM, 2 TO 5 PERCENT SLOPES	148B	Proctor silt loam, 2 to 5 percent slopes
149	BRENTON SILT LOAM	149A	Brenton silt loam, 0 to 2 percent slopes
152	Drummer silty clay loam	152A	Drummer silty clay loam, 0 to 2 percent slopes
154	Flanagan silt loam	154A	Flanagan silt loam, 0 to 2 percent slopes
171A	CATLIN SILT LOAM, 0 TO 2 PERCENT SLOPES	171A	Catlin silt loam, 0 to 2 percent slopes
171B	CATLIN SILT LOAM, 2 TO 5 PERCENT SLOPES	171B	Catlin silt loam, 2 to 5 percent slopes
24B	DODGE SILT LOAM, 2 TO 5 PERCENT SLOPES	193A	Mayville silt loam, 0 to 2 percent slopes
24B	DODGE SILT LOAM, 2 TO 5 PERCENT SLOPES	193B	Mayville silt loam, 2 to 5 percent slopes
24C2	DODGE SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	193C2	Mayville silt loam, 5 to 10 percent slopes, eroded

Correlation of Kane County, Illinois--Continued

Field Symbol	Field Map Unit Name	Publication Symbol	Publication Map Unit Name
198	ELBURN SILT LOAM	198A	Elburn silt loam, 0 to 2 percent slopes
206	Thorp silt loam	206A	Thorp silt loam, 0 to 2 percent slopes
210	Lena muck	210A	Lena muck, 0 to 2 percent slopes
219	Millbrook silt loam	219A	Millbrook silt loam, 0 to 2 percent slopes
656B	OCTAGON SILT LOAM, 2 TO 5 PERCENT SLOPES	221B	Parr silt loam, 2 to 5 percent slopes
656C2	OCTAGON SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	221B	Parr silt loam, 2 to 5 percent slopes
221B2	Parr silt loam, 2 to 5 percent slopes, eroded	221B2	Parr silt loam, 2 to 5 percent slopes, eroded
656C2	OCTAGON SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	221C2	Parr silt loam, 5 to 10 percent slopes, eroded, eroded
223B	VARNA SILT LOAM, 2 TO 5 PERCENT SLOPES	223B	Varna silt loam, 2 to 4 percent slopes
145C2	SAYBROOK SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	223C2	Varna silt loam, 4 to 6 percent slopes, eroded
223B	VARNA SILT LOAM, 2 TO 5 PERCENT SLOPES	223C2	Varna silt loam, 4 to 6 percent slopes, eroded
223C2	VARNA SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	223C2	Varna silt loam, 4 to 6 percent slopes, eroded
69	MILFORD SILTY CLAY LOAM	232A	Ashkum silty clay loam, 0 to 2 percent slopes
233A	BIRKBECK SILT LOAM, 0 TO 2 PERCENT SLOPES	233A	Birkbeck silt loam, 0 to 2 percent slopes
233B	BIRKBECK SILT LOAM, 2 TO 5 PERCENT SLOPES	233B	Birkbeck silt loam, 2 to 5 percent slopes
233C2	BIRKBECK SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	233C2	Birkbeck silt loam, 5 to 10 percent slopes, eroded
236	Sabina silt loam	236A	Sabina silt loam, 0 to 2 percent slopes
104	VIRGIL SILT LOAM	242A	Kendall silt loam, 0 to 2 percent slopes
290A	WARSAW LOAM, 0 TO 2 PERCENT SLOPES	290A	Warsaw loam, 0 to 2 percent slopes
290B	WARSAW LOAM, 2 TO 5 PERCENT SLOPES	290B	Warsaw loam, 2 to 4 percent slopes
297B	Ringwood silt loam, 2 to 4 percent slopes	297B	Ringwood silt loam, 2 to 4 percent slopes
297B	Ringwood silt loam, 2 to 4 percent slopes	297B	Ringwood silt loam, 2 to 4 percent slopes
298	BEECHER SILT LOAM	298A	Beecher silt loam, 0 to 2 percent slopes
146	ELLIOTT SILT LOAM	298B	Beecher silt loam, 2 to 4 percent slopes
298	BEECHER SILT LOAM	298B	Beecher silt loam, 2 to 4 percent slopes
318A	LORENZO LOAM, 0 TO 2 PERCENT SLOPES	318A	Lorenzo loam, 0 to 2 percent slopes
318B	LORENZO LOAM, 2 TO 5 PERCENT SLOPES	318B	Lorenzo loam, 2 to 4 percent slopes
318B	LORENZO LOAM, 2 TO 5 PERCENT SLOPES	318C2	Lorenzo loam, 4 to 6 percent slopes, eroded
318C2	LORENZO LOAM, 5 TO 10 PERCENT SLOPES, ERODED	318C2	Lorenzo loam, 4 to 6 percent slopes, eroded
318C2	LORENZO LOAM, 5 TO 10 PERCENT SLOPES, ERODED	318D2	Lorenzo loam, 6 to 12 percent slopes, eroded
323D	CASCO LOAM, 10 TO 15 PERECENT SLOPES	318D2	Lorenzo loam, 6 to 12 percent slopes, eroded

Correlation of Kane County, Illinois--Continued

Field Symbol	Field Map Unit Name	Publication Symbol	Publication Map Unit Name
318B	LORENZO LOAM, 2 TO 5 PERCENT SLOPES	323C2	Casco loam, 4 to 6 percent slopes, eroded
318C2	LORENZO LOAM, 5 TO 10 PERCENT SLOPES, ERODED	323C2	Casco loam, 4 to 6 percent slopes, eroded
323D	CASCO LOAM, 10 TO 15 PERECENT SLOPES	323C2	Casco loam, 4 to 6 percent slopes, eroded
938C	MIAMI-CASCO COMPLEX, 4 TO 10 PERCENT SLOPES	323C2	Casco loam, 4 to 6 percent slopes, eroded
318C2	LORENZO LOAM, 5 TO 10 PERCENT SLOPES, ERODED	323D2	Casco loam, 6 to 12 percent slopes, eroded
323D	CASCO LOAM, 10 TO 15 PERECENT SLOPES	323D2	Casco loam, 6 to 12 percent slopes, eroded
938C	MIAMI-CASCO COMPLEX, 4 TO 10 PERCENT SLOPES	323D2	Casco loam, 6 to 12 percent slopes, eroded
938C	MIAMI-CASCO COMPLEX, 4 TO 10 PERCENT SLOPES	323D2	Casco loam, 6 to 12 percent slopes, eroded
938E	MIAMI-CASCO COMPLEX, 10 TO 20 PERCENT SLOPES	323D2	Casco loam, 6 to 12 percent slopes, eroded
325A	DRESDEN SILT LOAM, 0 TO 2 PERCENT SLOPES	325A	Dresden silt loam, 0 to 2 percent slopes
325B	DRESDEN SILT LOAM, 2 TO 5 PERCENT SLOPES	325B	Dresden silt loam, 2 to 4 percent slopes
325B	DRESDEN SILT LOAM, 2 TO 5 PERCENT SLOPES	325C2	Dresden silt loam, 4 to 6 percent slopes, eroded
325C	DRESDEN SILT LOAM, 5 TO 10 PERCENT SLOPES	325C2	Dresden silt loam, 4 to 6 percent slopes, eroded
327A	FOX SILT LOAM, 0 TO 2 PERCENT SLOPES	327A	Fox silt loam, 0 to 2 percent slopes
327B	FOX SILT LOAM, 2 TO 5 PERCENT SLOPES	327B	Fox silt loam, 2 to 4 percent slopes
327B	FOX SILT LOAM, 2 TO 5 PERCENT SLOPES	327C2	Fox silt loam, 4 to 6 percent slopes, eroded
327C	FOX SILT LOAM, 5 TO 10 PERCENT SLOPES	327C2	Fox silt loam, 4 to 6 percent slopes, eroded
327D	FOX SILT LOAM, 10 TO 15 PERCENT SLOPES	327C2	Fox silt loam, 4 to 6 percent slopes, eroded
327C	FOX SILT LOAM, 5 TO 10 PERCENT SLOPES	327D2	Fox loam, 6 to 12 percent slopes, eroded
327D	FOX SILT LOAM, 10 TO 15 PERCENT SLOPES	327D2	Fox loam, 6 to 12 percent slopes, eroded
329	WILL SILTY CLAY LOAM	329A	Will loam, 0 to 2 percent slopes
330	PEOTONE SILTY CLAY LOAM	330A	Peotone silty clay loam, 0 to 2 percent slopes
343	KANE SILT LOAM	343A	Kane silt loam, 0 to 2 percent slopes
344C	HARVARD SILT LOAM, 5 TO 10 PERCENT SLOPES	344C2	Harvard silt loam, 5 to 10 percent slopes, eroded
24B	DODGE SILT LOAM, 2 TO 5 PERCENT SLOPES	348B	Wingate silt loam, 2 to 5 percent slopes
145A	SAYBROOK SILT LOAM, 0 TO 2 PERCENT SLOPES	348B	Wingate silt loam, 2 to 5 percent slopes
145B	SAYBROOK SILT LOAM, 2 TO 5 PERCENT SLOPES	348B	Wingate silt loam, 2 to 5 percent slopes
24C2	DODGE SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	348C2	Wingate silt loam, 5 to 10 percent slopes, eroded
145C2	SAYBROOK SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	348C2	Wingate silt loam, 5 to 10 percent slopes, eroded
152	Drummer silty clay loam	356A	Elpaso silty clay loam, 0 to 2 percent slopes
361B	KIDDER SILT LOAM, 2 TO 5 PERCENT SLOPES	361B	Kidder loam, 2 to 4 percent slopes

Correlation of Kane County, Illinois--Continued

Field Symbol	Field Map Unit Name	Publication Symbol	Publication Map Unit Name
361B	KIDDER SILT LOAM, 2 TO 5 PERCENT SLOPES	361C2	Kidder loam, 4 to 6 percent slopes, eroded
361C	KIDDER SILT LOAM, 5 TO 10 PERCENT SLOPES	361C2	Kidder loam, 4 to 6 percent slopes, eroded
361D	KIDDER SILT LOAM, 10 TO 15 PERCENT SLOPES	361C2	Kidder loam, 4 to 6 percent slopes, eroded
361C	KIDDER SILT LOAM, 5 TO 10 PERCENT SLOPES	361D2	Kidder loam, 6 to 12 percent slopes, eroded
361D	KIDDER SILT LOAM, 10 TO 15 PERCENT SLOPES	361D2	Kidder loam, 6 to 12 percent slopes, eroded
361D	KIDDER SILT LOAM, 10 TO 15 PERCENT SLOPES	361E2	Kidder loam, 12 to 20 percent slopes, eroded
148A	PROCTOR SILT LOAM, 0 TO 2 PERCENT SLOPES	369A	Waupecan silt loam, 0 to 2 percent slopes
199A	PLANO SILT LOAM, 0 TO 2 PERCENT SLOPES	369A	Waupecan silt loam, 0 to 2 percent slopes
369A	WAUPECAN SILT LOAM, 0 TO 2 PERCENT SLOPES	369A	Waupecan silt loam, 0 to 2 percent slopes
148B[1]	PROCTOR SILT LOAM, 2 TO 5 PERCENT SLOPES	369B	Waupecan silt loam, 2 to 4 percent slopes
199B	PLANO SILT LOAM, 2 TO 5 PERCENT SLOPES	369B	Waupecan silt loam, 2 to 4 percent slopes
369B	WAUPECAN SILT LOAM, 2 TO 5 PERCENT SLOPES	369B	Waupecan silt loam, 2 to 4 percent slopes
442	MUNDELEIN SILT LOAM	442A	Mundelein silt loam, 0 to 2 percent slopes
329	WILL SILTY CLAY LOAM	488A	Hooppole loam, 0 to 2 percent slopes
347	CANISTEO LOAM	488A	Hooppole loam, 0 to 2 percent slopes
145A	SAYBROOK SILT LOAM, 0 TO 2 PERCENT SLOPES	512A	Danabrook silt loam, 0 to 2 percent slopes
145B	SAYBROOK SILT LOAM, 2 TO 5 PERCENT SLOPES	512B	Danabrook silt loam, 2 to 5 percent slopes
145C2	SAYBROOK SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	512C2	Danabrook silt loam, 5 to 10 percent slopes, eroded
152	Drummer silty clay loam	523A	Dunham silty clay loam, 0 to 2 percent slopes
149	BRENTON SILT LOAM	526A	Grundelein silt loam, 0 to 2 percent slopes
198	ELBURN SILT LOAM	526A	Grundelein silt loam, 0 to 2 percent slopes
442	MUNDELEIN SILT LOAM	526A	Grundelein silt loam, 0 to 2 percent slopes
27B	MIAMI SILT LOAM, 2 TO 5 PERCENT SLOPES	527B	Kidami silt loam, 2 to 4 percent slopes
27B	MIAMI SILT LOAM, 2 TO 5 PERCENT SLOPES	527C2	Kidami loam, 4 to 6 percent slopes, eroded
27C2	MIAMI SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	527C2	Kidami loam, 4 to 6 percent slopes, eroded
938C	MIAMI-CASCO COMPLEX, 4 TO 10 PERCENT SLOPES	527C2	Kidami loam, 4 to 6 percent slopes, eroded
27C2	MIAMI SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	527D2	Kidami loam, 6 to 12 percent slopes, eroded
27D2	MIAMI SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED	527D2	Kidami loam, 6 to 12 percent slopes, eroded
938C	MIAMI-CASCO COMPLEX, 4 TO 10 PERCENT SLOPES	527D2	Kidami loam, 6 to 12 percent slopes, eroded
938E	MIAMI-CASCO COMPLEX, 10 TO 20 PERCENT SLOPES	527D2	Kidami loam, 6 to 12 percent slopes, eroded

Correlation of Kane County, Illinois--Continued

Field Symbol	Field Map Unit Name	Publication Symbol	Publication Map Unit Name
27C2	MIAMI SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	527D3	Kidami clay loam, 6 to 12 percent slopes, severely eroded
27D3	MIAMI CLAY LOAM, 10 TO 15 PERCENT SLOPES, SEVERELY ERODED	527D3	Kidami clay loam, 6 to 12 percent slopes, severely eroded
125	SELMA LOAM	529A	Selmass loam, 0 to 2 percent slopes
194B	MORLEY SILT LOAM, 2 TO 5 PERCENT SLOPES	530B	Ozaukee silt loam, 2 to 4 percent slopes
194B	MORLEY SILT LOAM, 2 TO 5 PERCENT SLOPES	530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded
194C	MORLEY SILT LOAM, 5 TO 10 PERCENT SLOPES	530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded
194D	MORLEY SILT LOAM, 10 TO 15 PERCENT SLOPES	530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded
194C	MORLEY SILT LOAM, 5 TO 10 PERCENT SLOPES	530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
194D	MORLEY SILT LOAM, 10 TO 15 PERCENT SLOPES	530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
194E	MORLEY SILT LOAM, 15 TO 20 PERCENT SLOPES	530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
194E	MORLEY SILT LOAM, 15 TO 20 PERCENT SLOPES	530E	Ozaukee silt loam, 12 to 20 percent slopes
194B	MORLEY SILT LOAM, 2 TO 5 PERCENT SLOPES	531B	Markham silt loam, 2 to 4 percent slopes
194C	MORLEY SILT LOAM, 5 TO 10 PERCENT SLOPES	531C2	Markham silt loam, 4 to 6 percent slopes, eroded
531C2	MARKHAM SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	531C2	Markham silt loam, 4 to 6 percent slopes, eroded
145B	SAYBROOK SILT LOAM, 2 TO 5 PERCENT SLOPES	541B	Graymont silt loam, 2 to 5 percent slopes
570B	MARTINSVILLE LOAM, 2 TO 5 PERCENT SLOPES	570B	Martinsville silt loam, 2 to 4 percent slopes
570C	MARTINSVILLE LOAM, 5 TO 10 PERCENT SLOPES	570B	Martinsville silt loam, 2 to 4 percent slopes
570C	MARTINSVILLE LOAM, 5 TO 10 PERCENT SLOPES	570C2	Martinsville silt loam, 4 to 6 percent slopes, eroded
614A	Chenoa silty clay loam, 0 to 2 percent slopes	614A	Chenoa silty clay loam, 0 to 2 percent slopes
27D2	MIAMI SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED	618E	Senachwine silt loam, 12 to 20 percent slopes
27D3	MIAMI CLAY LOAM, 10 TO 15 PERCENT SLOPES, SEVERELY ERODED	618E	Senachwine silt loam, 12 to 20 percent slopes
938E	MIAMI-CASCO COMPLEX, 10 TO 20 PERCENT SLOPES	618E	Senachwine silt loam, 12 to 20 percent slopes
618F	Senachwine silt loam, 20 to 30 percent slopes	618F	Senachwine silt loam, 20 to 30 percent slopes
347	CANISTEO LOAM	626A	Kish loam, 0 to 2 percent slopes
145B	SAYBROOK SILT LOAM, 2 TO 5 PERCENT SLOPES	656B	Octagon silt loam, 2 to 4 percent slopes
656B	OCTAGON SILT LOAM, 2 TO 5 PERCENT SLOPES	656B	Octagon silt loam, 2 to 4 percent slopes

Correlation of Kane County, Illinois--Continued

Field Symbol	Field Map Unit Name	Publication Symbol	Publication Map Unit Name
60C2	LA ROSE, LOAM, 5 TO 10 PERCENT SLOPES, ERODED	656C2	Octagon silt loam, 4 to 6 percent slopes, eroded
145C2	SAYBROOK SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	656C2	Octagon silt loam, 4 to 6 percent slopes, eroded
656C2	OCTAGON SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	656C2	Octagon silt loam, 4 to 6 percent slopes, eroded
60D2	LA ROSE LOAM, 10 TO 15 PERCENT SLOPES, ERODED	656D2	Octagon silt loam, 6 to 12 percent slopes, eroded
656D2	OCTAGON SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED	656D2	Octagon silt loam, 6 to 12 percent slopes, eroded
344A	HARVARD SILT LOAM, 0 TO 2 PERCENT SLOPES	662A	Barony silt loam, 0 to 2 percent slopes
344B	HARVARD SILT LOAM, 2 TO 5 PERCENT SLOPES	662B	Barony silt loam, 2 to 5 percent slopes
148A[1]	PROCTOR SILT LOAM, 0 TO 2 PERCENT SLOPES	663A	Clare silt loam, 0 to 2 percent slopes
148B[1]	PROCTOR SILT LOAM, 2 TO 5 PERCENT SLOPES	663B	Clare silt loam, 2 to 5 percent slopes
105A	BATAVIA SILT LOAM, 0 TO 2 PERCENT SLOPES	667A	Kaneville silt loam, 0 to 2 percent slopes
105B	BATAVIA SILT LOAM, 2 TO 5 PERCENT SLOPES	667B	Kaneville silt loam, 2 to 5 percent slopes
134A	CAMDEN SILT LOAM, 0 TO 2 PERCENT SLOPES	668A	Somonauk silt loam, 0 to 2 percent slopes
134B	CAMDEN SILT LOAM, 2 TO 5 PERCENT SLOPES	668B	Somonauk silt loam, 2 to 5 percent slopes
199A	PLANO SILT LOAM, 0 TO 2 PERCENT SLOPES	679A	Blackberry silt loam, 0 to 2 percent slopes
199B	PLANO SILT LOAM, 2 TO 5 PERCENT SLOPES	679B	Blackberry silt loam, 2 to 5 percent slopes
243A	ST. CHARLES SILT LOAM, 0 TO 2 PERCENT SLOPES	680A	Campton silt loam, 0 to 2 percent slopes
243B	ST. CHARLES SILT LOAM, 2 TO 5 PERCENT SLOPES	680B	Campton silt loam, 2 to 5 percent slopes
696B	ZURICH SILT LOAM, 2 TO 5 PERCENT SLOPES	696B	Zurich silt loam 2 to 4 percent slopes
697	WAUCONDA SILT LOAM	697A	Wauconda silt loam, 0 t 2 percent slopes
921B[2]	FAXON-RIPON COMPLEX, 0 TO 5 PERCENT SLOPES	739B	Milton silt loam, 2 to 6 percent slopes
921B[2]	FAXON-RIPON COMPLEX, 0 TO 5 PERCENT SLOPES	739D	Milton silt loam, 6 to 12 percent slopes
134A	CAMDEN SILT LOAM, 0 TO 2 PERCENT SLOPES	791A	Rush silt loam, 0 to 2 percent slopes
243A	ST. CHARLES SILT LOAM, 0 TO 2 PERCENT SLOPES	791A	Rush silt loam, 0 to 2 percent slopes
134B	CAMDEN SILT LOAM, 2 TO 5 PERCENT SLOPES	791B	Rush silt loam, 2 to 4 percent slopes
243B	ST. CHARLES SILT LOAM, 2 TO 5 PERCENT SLOPES	791B	Rush silt loam, 2 to 4 percent slopes
696B	ZURICH SILT LOAM, 2 TO 5 PERCENT SLOPES	791B	Rush silt loam, 2 to 4 percent slopes
791B	RUSH SILT LOAM, 2 TO 5 PERCENT SLOPES	791B	Rush silt loam, 2 to 4 percent slopes
134B	CAMDEN SILT LOAM, 2 TO 5 PERCENT SLOPES	791C2	Rush silt loam, 4 to 6 percent slopes, eroded
243B	ST. CHARLES SILT LOAM, 2 TO 5 PERCENT SLOPES	791C2	Rush silt loam, 4 to 6 percent slopes, eroded
696B	ZURICH SILT LOAM, 2 TO 5 PERCENT SLOPES	791C2	Rush silt loam, 4 to 6 percent slopes, eroded

Correlation of Kane County, Illinois--Continued

Field Symbol	Field Map Unit Name	Publication Symbol	Publication Map Unit Name
791C2	RUSH SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	791C2	Rush silt loam, 4 to 6 percent slopes, eroded
105A	BATAVIA SILT LOAM, 0 TO 2 PERCENT SLOPES	792A	Bowes silt loam, 0 to 2 percent slopes
344A	HARVARD SILT LOAM, 0 TO 2 PERCENT SLOPES	792A	Bowes silt loam, 0 to 2 percent slopes
792A	BOWES SILT LOAM, 0 TO 2 PERECENT SLOPES	792A	Bowes silt loam, 0 to 2 percent slopes
105B	BATAVIA SILT LOAM, 2 TO 5 PERCENT SLOPES	792B	Bowes silt loam, 2 to 4 percent slopes
344B	HARVARD SILT LOAM, 2 TO 5 PERCENT SLOPES	792B	Bowes silt loam, 2 to 4 percent slopes
792B	BOWES SILT LOAM, 2 TO 5 PERCENT SLOPES	792B	Bowes silt loam, 2 to 4 percent slopes
105B	BATAVIA SILT LOAM, 2 TO 5 PERCENT SLOPES	792C2	Bowes silt loam, 4 to 6 percent slopes, eroded
344B	HARVARD SILT LOAM, 2 TO 5 PERCENT SLOPES	792C2	Bowes silt loam, 4 to 6 percent slopes, eroded
344C	HARVARD SILT LOAM, 5 TO 10 PERCENT SLOPES	792C2	Bowes silt loam, 4 to 6 percent slopes, eroded
792C	BOWES SILT LOAM, 5 TO 10 PERCENT SLOPES	792C2	Bowes silt loam, 4 to 6 percent slopes, eroded
392	URBAN LAND-ORTHENTS, LOAMY, COMPLEX	802B	Orthents, loamy, undulating
392	URBAN LAND-ORTHENTS, LOAMY, COMPLEX	805B	orthents, clayey, undulating
830	Landfills	830	Landfills
864	PITS, QUARRY	864	Pits, quarry
865	PITS, GRAVEL	865	Pits, gravel
903A	Muskego and Houghton mucks, 0 to 2 percent slopes	903A	Muskego and Houghton mucks, 0 to 2 percent slopes
93F	RODMAN SOILS, 15 TO 30 PERCENT SLOPES	969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded
323D	CASCO LOAM, 10 TO 15 PERECENT SLOPES	969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded
323E	CASCO LOAM, 15 TO 20 PERCENT SLOPES	969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded
938E	MIAMI-CASCO COMPLEX, 10 TO 20 PERCENT SLOPES	969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded
93F	RODMAN SOILS, 15 TO 30 PERCENT SLOPES	969F	Casco-Rodman complex, 20 to 30 percent slopes
938E	MIAMI-CASCO COMPLEX, 10 TO 20 PERCENT SLOPES	969F	Casco-Rodman complex, 20 to 30 percent slopes
103	HOUGHTON MUCK	1103A	Houghton muck, undrained, 0 to 2 percent slopes
1103	HOUGHTON MUCK, WET	1103A	Houghton muck, undrained, 0 to 2 percent slopes
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
210	Lena muck	1210A	Lena muck, undrained, 0 to 2 percent slopes
76	OTTER SILT LOAM	3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded

Correlation of Kane County, Illinois--Continued

Field Symbol	Field Map Unit Name	Publication Symbol	Publication Map Unit Name
82	MILLINGTON LOAM	3082A	Millington silt loam, 0 to 2 percent slopes, frequently flooded
921B[2]	FAXON-RIPON COMPLEX, 0 TO 5 PERCENT SLOPES	8076A	Otter silt loam, 0 to 2 percent slopes, occasionally flooded
921B[2]	FAXON-RIPON COMPLEX, 0 TO 5 PERCENT SLOPES	8082A	Millington silt loam, 0 to 2 percent slopes, occasionally flooded
W	Water	W	Water

[1] Most delineations were correlated to 663B, however some 148B delineations were required for joining with McHenry County.

[2] This unit was correlated to consociations. The Ripon component was correlated to primarily 739B, and the Faxon component correlated primarily to 8082A.

General Correlations Outside the Standard Correlation Legend

Based on the photo tones of the orthophotos, polygons of Aquolls may be delineated from map units consisting of Udolls and Udalfs and vice versa.

In some delineations within end moraines and ground moraines, Aquolls tend to be over-exaggerated in size. These units have been partially or totally correlated to the surrounding map units of Udolls or Udalfs.

Some delineations of Udolls mapped in areas where native vegetation is forest or where native vegetation is transitional between prairie and forest have been correlated to mollic intergrades.

Some delineations of mollic intergrades mapped in areas where native vegetation is prairie have been correlated to Udolls.

Some delineations of Typic/Oxyaquic Hapludalfs and Aeric Endo(Epi)aqualfs mapped in areas where native vegetation is prairie or where native vegetation is transitional between prairie and forest have been correlated to mollic intergrades.

Isolated polygons of outwash soils mapped among till soils have been correlated to the corresponding till soils and vice versa.

Isolated polygons of loamy outwash soils mapped among gravelly outwash soils have been correlated to the corresponding gravelly outwash soils and vice versa.

Isolated polygons of soils developed in loam till mapped among soils developed in silty clay loam till have been correlated to the corresponding silty clay loam till soils and vice versa.

Delineations of Histosols mapped on sloping and steeper slopes have been correlated to the surrounding map units and identified with a muck spot symbol.

Delineations on the Soil Report # 109 published maps in the southwestern and south central portion of the county were incorrectly identified as 223B and 223C2. These delineations have been correlated to the correct map symbols 233B and 233C2 respectively.

The use of two foot contour maps as a compilation guide provided a basis to determine correct slope groups and the basis for delineating other polygons within some delineations. These correlations do not necessary follow the standard correlation legend.

Series established by this correlation: None

Series added to the previously correlated legend (July 1976): Ashkum, Barony, Blackberry, Blount, Campton, Chenoa, Clare, Danabrook, Dunham, Elpaso, Graymont, Grundelein, Hooppole, Kaneville, Kendall, Kidami, Kish, Mayville, Milton, Muskego, Ozaukee, Parr, Ringwood, Sawmill, Selmass, Senachwine, Somonauk, and Wingate

Series dropped from the previously correlated legend (July 1976): Batavia, Canisteo, Dodge, Faxon, Miami, Morley, Plano, Ripon, St. Charles, and Saybrook

Series made inactive: None

Verification of exact cooperator names: For the front cover and half-title page:

United States Department of Agriculture
Natural Resources Conservation Service
in Cooperation with the
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 Kane County Soil and Water Conservation District. Financial assistance was made available by the Kane County Board and the Illinois Department of Agriculture."

Prior soil survey publication: The last soil survey of Kane County was completed in 1976 and published by the United States Department of Agriculture, Soil Conservation Service in April 1979. It is Illinois Agricultural Experiment Station Soil Report No. 109, "Soil Survey of Kane County, Illinois". Reference to the prior soil survey will be included in the literature citation of the manuscript. This survey replaces the 1979 soil survey and provides additional data, updated soil interpretations, and digital soil maps at a 1:12,000 scale on an orthophoto base.

Join statement: Kane County, which was published in 1979, joins five modern soil surveys. These are Cook, DeKalb, DuPage, Kendall, and McHenry Counties in Illinois. Cook County to the east was published in 1979. DeKalb County to the west is currently being updated, with a projected publication date of 2001. DuPage County to the east was updated, with a projected publication date of 2000. Kendall County to the south was published in 1978. McHenry County to the north was updated, with a projected publication date of 2000.

An exact join will be completed with DeKalb, DuPage, and McHenry Counties. An acceptable join will be completed with the remaining adjacent counties.

Disposition of field sheets: The 64 original field sheets at a scale of 1:15,840 were rectified and ratioed to a scale of 1:12,000. These maps were used to recompile the soils layer onto Mylar sheets with 1:12,000 scale orthophoto quarter quads serving as a base. Publication scale is 1:12,000 according to SSURGO standards. Copies of a computer tape of the final digital product will remain at the Illinois NRCS state office. This survey will be certified for SSURGO at the Kansas Digitizing Center, Digital spatial and attribute data will be provided to the Kane County Board as part of the cost share cooperative agreement.

Instructions for map compilation and map finishing: Map recompilation is scheduled for completion by the Naperville MLRA team in April 2000. Soils, hydrography , and conventional and special symbols will be recompiled on Mylar separates at a 1:12,000 scale. The soils layer will be delivered to the Kansas Digitizing Center for scanning and digital processing. The hydrography layer and the conventional and special symbols layer will be delivered to the Illinois NRCS state office for scanning and digital processing. Symbols for map finishing are those approved for SSURGO standards and as shown in this document. The Naperville MLRA team and the Illinois NRCS state office GIS staff will complete a final check of the digital materials before delivering the product to the Kansas Digitizing Center for SSURGO certification.

Conventional and special symbols legend: Only those symbols indicated on the attached NRCS-SOILS-37A will be shown on the legend and placed on the maps. Cultural features appear on the 7.5 minute series topographic quadrangle will appear on the published maps. During compilation, only those cultural features that do not appear on the 7.5 minute series topographic quadrangle have been compiled onto the conventional symbols Mylar sheet.

NRCS SOILS 37A
3/95

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

CULTURAL FEATURES

BOUNDARIES

- National, state, or province
- County or parish
- Minor civil division
- Reservation, (national forest or park, state forest or park)
- Land grant
- Limit of soil survey (label) and/or denied access areas
- Field sheet matchline & neatline
- Previously published survey

OTHER BOUNDARY (label)

- Airport, airfield (Davis airstrip)
- Cemetery (St Johns Cemetery)
- City / county Park (Central Park)

STATE COORDINATE TICK

LAND DIVISION CORNERS (section and land grants)

GEOGRAPHIC COORDINATE TICK

TRANSPORTATION

- Divided roads
- Other roads
- Trails

ROAD EMBLEMS & DESIGNATIONS

- Interstate (79, 79 345)
- Federal (410, 410 224)
- State (52, 52 347)
- County, farm, or ranch (376)

RAILROAD

POWER TRANSMISSION LINE (normally not shown)

PIPELINE (normally not shown)

FENCE (normally not shown)

LEVEES

- Without road
- With road
- With railroad
- Single side slope (showing actual feature location)

DAMS

- Medium or small (W)

LANDFORM FEATURES

- Prominent Hill or Peak
- Soil Sample Site (S)

CULTURAL FEATURES (cont.)

MISCELLANEOUS CULTURAL FEATURES

- Farmland, house (omit in urban areas)
- Church
- School
- Other Religion (label) (Mt Carmel)
- Located object (label) (Ranger Station)
- Tank (label) (Petroleum)
- Lookout Tower
- Oil and / or Natural Gas Wells
- Windmill
- Lighthouse

HYDROGRAPHIC FEATURES

STREAMS

- Perennial, double line
- Unclassified
- Drainage end

DRAINAGE AND IRRIGATION

- Double line canal (label) (CANAL)
- Perennial drainage and/or Irrigation ditch
- Intermittent drainage and/or Irrigation ditch

SMALL LAKES, PONDS, AND RESERVOIRS

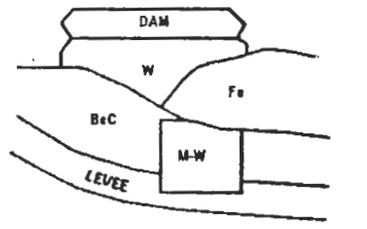
- Perennial water
- Miscellaneous water
- Flood pool line

MISCELLANEOUS WATER FEATURES

- Spring
- Well, artesian
- Well, Irrigation

SPECIAL SYMBOLS FOR SOIL SURVEY AND SSURGO

SOIL DELINEATIONS AND SYMBOLS



LANDFORM FEATURES

ESCARPMENTS

- Bedrock
- Other than bedrock
- SHORT STEEP SLOPE
- GULLY
- DEPRESSION, closed
- SINKHOLE

EXCAVATIONS

PITS

- Borrow pit
- Gravel pit
- Mine or quarry

LANDFILL

MISCELLANEOUS SURFACE FEATURES

- Blowout
- Clay spot
- Gravelly spot
- Lava flow
- Marsh or swamp
- Rock outcrop (includes sandstone and shale)
- Saline spot
- Sandy spot
- Severely eroded spot
- Slide or slip
- Sodic spot
- Spoil area
- Stony spot
- Very stony spot
- Wet spot

RECOMMENDED AD HOC SOIL SYMBOLS

SYMBOL_ID		SYMBOL_ID	
1		23	
2		24	
3		25	
4		26	
5		27	
6		28	
7		29	CSP
8		30	MUC
9		31	
10		32	
11		33	
12		34	
13		35	
14		36	
15		37	
16		38	
17		39	
18		40	
19		41	
20	DSS	42	
21		43	
22		44	

Definitions and Guidelines for Use of Conventional and Special Symbols for Kane County, Illinois A Subset of MLRA 95B, 108A, and 110 Scale - 1:12,000

Description	Label	Definitions and Guidelines
Cultural Features		
Reservation (state parks and county forest preserves)		Label feature with proper name. Do not draw boundaries of extent.
Airport.	AIRP	Label feature with proper name. Do not draw boundaries of extent.
Cemetery	CEME	Show if one acre or larger. Label with the proper name or the word cemetery if the tract is large enough. Label smaller cemeteries with the cross symbol. Do not show boundaries of extent.
Land Division Corners (section)		Section corners are shown, and section numbers are placed as close to the center of the section as possible.
Trail (bicycle)		Label feature with proper name. Locate the extent of the trail.
Interstate, Federal, and State Road interstate, federal, Emblems		Use appropriate symbols for and state roads. Other roads will not be labeled.

Hydrographic Features

Perennial, double line stream	PDDR	Use for streams that are 100 feet or more in width on the landscape or 0.10 inch or more on the atlas sheet. Generally labeled with proper name.
Unclassified stream		Streams which may or may not flow water throughout year. They are less than 100 feet in width on the landscape or less than 0.10 inch on the atlas sheet.
Drainage end	DEND	Shows the point where concentrated water flow stops, and there is no channel within 250 feet or more on the landscape or 0.25 inch or more on the atlas sheet.
Unclassified drainage ditch		Water channels which have been excavated or straightened and that may or may not flow water throughout the year. They are less 100 feet in width on the landscape or less than 0.10 inch on the atlas sheet.

Depression, closed	DEP	A shallow, saucer-shaped area slightly lower on the landscape than the surrounding area, but without a natural outlet for surface drainage. Typically ¼ to 2 acres.
Escarpment, other	ESO	A relatively continuous and steep slope or cliff generally produced by erosion, but can be produced by faulting breaking the continuity of more gently sloping land surfaces. Exposed nonbedrock material is nonsoil or very shallow, poorly developed soil.
Gravel pit	GPI	An open excavation from which soil and underlying material have been removed, and used without crushing, as a source of sand or gravel. Typically ¼ to 2 acres.
Gravelly spot	GRA	Surface layer has more than 35 percent, by volume, of rock fragments that are mostly less than 3 inches in diameter. Typically ¼ to 2 acres.
Marsh or swamp	MAR	A water saturated, very poorly drained area, intermittently or permanently water-covered. Marsh areas are dominantly covered by sedges, cattails, and rushes. Swamps are dominantly covered by trees or shrubs. Not used in map units where poorly drained or very poorly drained soils are the named components. Typically ¼ to 2 acres.
Sandy spot	SAN	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 ¼ to 2 acres.
Severely eroded spot	ERO	An area where on the average 75 percent or more of the original surface layer has been lost from accelerated erosion. Typically ¼ to 2 acres.
Short, steep slope	SLP	Narrow soil area that has slopes that are at least 2 slope classes steeper than the slope class of the surrounding map unit.
Wet spot	WET	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 ¼ to 2 acres.
Disturbed Soil Spot	DSS	An area in which the soil has been removed and materials redeposited due to human activity. Typically ¼ to 2 acres.
Calcareous spot	CSP	An area in which the soil contains carbonates in the surface layer. Effervescence can be detected by dilute hydrochloric acid. The surface layer of the named soils in the surrounding map unit is noncalcareous. Typically ¼ to 2 acres.
Muck spot	MUC	An area with a poorly drained or very poorly drained soil that has a surface layer consisting of organic soil material. The surface layer of the named soils in the surrounding map unit consists of mineral soil material. Typically ¼ to 2 acres.

Conversion Legend
For Kane County, Illinois

Field Symbol	Publi-cation Symbol
C.F.	802B
G.P.	865
Qu.	864
W	W
W103	1103A
23A	23A
24B	193A
24B	193B
24B	348B
24C2	193C2
24C2	348C2
27B	527B
27B	527C2
27C2	527C2
27C2	527D2
27C2	527D3
27D2	527D2
27D2	618E
27D3	527D3
27D3	618E
59	59A
59	59B
59	62A
59A	59A
59B	59B
60C2	60C2
60C2	656C2
60D2	60D2
60D2	656D2
62	62A
62A	62A
67	67A
67A	67A
69	69A
69	232A
69A	69A
76	3076A
76	8076A
82	3082A
82	8082A
93F	969E2
93F	969F
103	103A
103	1103A
103A	103A
104	104A
104	242A
104A	104A
105A	667A
105A	792A
105B	667B
105B	792B
105B	792C2
125	125A
125	529A
125A	125A
134A	668A
134A	791A
134B	668B
134B	791B
134B	791C2
134C2	134C2
145A	348B
145A	512A
145B	348B
145B	512B
145B	541B
145B	656B
145C2	223C2
145C2	348C2
145C2	512C2
145C2	656C2
146	146A
146	146B
146	298B
146A	146A
146B	146B
148A[1]	369A
148A[1]	663A
148B[1]	148B
148B[1]	148B
148B[1]	369B
148B[1]	663B
149	149A
149	526A
149A	149A
152	152A
152	356A
152	523A
152A	152A
154	59B
154	62A
154	154A
154A	154A
171A	171A
171B	171B
193A	193A
193B	193B
193C2	193C2
194B	530B
194B	530C2
194B	531B
194C	530C2
194C	530D2
194C	531C2
194D	530C2
194D	530D2
194E	530D2
194E	530E
198	198A
198	526A
198A	198A
199A	369A
199A	679A
199B	369B
199B	679B
206	206A
206A	206A
210	210A
210	1210A
210A	210A
219	219A
219A	219A
221B	221B
221B2	221B2
221C2	221C2
223B	223B
223B	223C2
223C2	223C2
232A	232A
233A	233A
233B	233B
233C2	233C2
236	236A
236A	236A
242A	242A
243A	680A
243A	791A
243B	680B
243B	791B
243B	791C2
290A	290A
290B	290B
297B	297B
298	23A
298	298A
298	298B
298A	298A
298B	298B
318A	318A

Conversion Legend
For Kane County, Illinois -- Continued

Field Symbol	Publi-cation Symbol
318A	318A
318B	318B
318B	318B
318B	318C2
318B	323C2
318C2	318C2
318C2	318D2
318C2	323C2
318C2	323D2
318D2	318D2
323C2	323C2
323D	318D2
323D	323C2
323D	323D2
323D	969E2
323D2	323D2
323E	969E2
325A	325A
325B	325B
325B	325C2
325C	325C2
325C2	325C2
327A	327A
327B	327B
327B	327C2
327C	327C2
327C	327D2
327C2	327C2
327D	327C2
327D	327D2
327D2	327D2
329	329A
329	488A
329A	329A
330	330A
330A	330A
343	343A
343A	343A
344A	662A
344A	792A
344B	662B
344B	792B
344B	792C2
344C	344C2
344C	792C2

Field Symbol	Publi-cation Symbol
344C2	344C2
347	488A
347	626A
348B	348B
348C2	348C2
356A	356A
361B	361B
361B	361C2
361C	361C2
361C	361D2
361C2	361C2
361D	361C2
361D	361D2
361D	361E2
361D2	361D2
361E2	361E2
369A	369A
369B	369B
392	802B
392	805B
442	442A
442	526A
442A	442A
488A	488A
512A	512A
512B	512B
512C2	512C2
523A	523A
526A	526A
527B	527B
527C2	527C2
527D2	527D2
527D3	527D3
529A	529A
530B	530B
530C2	530C2
530D2	530D2
530E	530E
531B	531B
531C2	531C2
541B	541B
570B	570B
570C	570B
570C	570C2
570C2	570C2
614A	614A

Field Symbol	Publi-cation Symbol
618E	618E
618F	618F
626A	626A
656B	221B
656B	656B
656C2	60C2
656C2	221B
656C2	221C2
656C2	656C2
656D2	60D2
656D2	656D2
662A	662A
662B	662B
663A	663A
663B	663B
667A	667A
667B	667B
668A	668A
668B	668B
679A	679A
679B	679B
680A	680A
680B	680B
696B	696B
696B	791B
696B	791C2
697	697A
697A	697A
712	526A
713	523A
921B[2]	739B
921B[2]	739D
791A	791A
791B	791B
791C2	791C2
792A	792A
792B	792B
792C	792C2
792C2	792C2
802B	802B
805B	805B
830	830
864	864
865	865
903A	903A
921B[2]	8076A

Conversion Legend
For Kane County, Illinois -- Continued

Field Symbol	Publi-cation Symbol
921B[2]	8082A
938C	323C2
938C	323D2
938C	527C2
938C	527D2

Field Symbol	Publi-cation Symbol
938E	323D2
938E	527D2
938E	618E
938E	969E2
938E	969F
969E2	969E2
969F	969F
1103	103A

Field Symbol	Publi-cation Symbol
1103	1103A
1103A	1103A
1107A	1107A
1210A	1210A
3076A	3076A
3082A	3082A
3082A	8082A
8076A	3076A

(1) Most delineations were correlated to 663B, however some delineations were maintained in order to have and exact join with McHenry County.

(2) This complex soil map unit was correlated to consociations. The Ripon component was primarily correlated to 739B, and the Faxon component primarily correlated to 8082A.

MLRA 95B, 108A, and 110
Kane County Subset
Alphabetical Identification Legend

Soil Symbol	Map Unit Name
232A	Ashkum silty clay loam, 0 to 2 percent slopes
662A	Barony silt loam, 0 to 2 percent slopes
662B	Barony silt loam, 2 to 5 percent slopes
298A	Beecher silt loam, 0 to 2 percent slopes
298B	Beecher silt loam, 2 to 4 percent slopes
233A	Birkbeck silt loam, 0 to 2 percent slopes
233B	Birkbeck silt loam, 2 to 5 percent slopes
233C2	Birkbeck silt loam, 5 to 10 percent slopes, eroded
679A	Blackberry silt loam, 0 to 2 percent slopes
679B	Blackberry silt loam, 2 to 5 percent slopes
23A	Blount silt loam, 0 to 2 percent slopes
792A	Bowes silt loam, 0 to 2 percent slopes
792B	Bowes silt loam, 2 to 4 percent slopes
792C2	Bowes silt loam, 4 to 6 percent slopes, eroded
149A	Brenton silt loam, 0 to 2 percent slopes
134C2	Camden silt loam, 5 to 10 percent slopes, eroded
680A	Campton silt loam, 0 to 2 percent slopes
680B	Campton silt loam, 2 to 5 percent slopes
323C2	Casco loam, 4 to 6 percent slopes, eroded
323D2	Casco loam, 6 to 12 percent slopes, eroded
969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded
969F	Casco-Rodman complex, 20 to 30 percent slopes
171A	Catlin silt loam, 0 to 2 percent slopes
171B	Catlin silt loam, 2 to 5 percent slopes
614A	Chenoa silty clay loam, 0 to 2 percent slopes
663A	Clare silt loam, 0 to 2 percent slopes
663B	Clare silt loam, 2 to 5 percent slopes
512A	Danabrook silt loam, 0 to 2 percent slopes
512B	Danabrook silt loam, 2 to 5 percent slopes
512C2	Danabrook silt loam, 5 to 10 percent slopes, eroded
325A	Dresden silt loam, 0 to 2 percent slopes
325B	Dresden silt loam, 2 to 4 percent slopes
325C2	Dresden silt loam, 4 to 6 percent slopes, eroded
152A	Drummer silty clay loam, 0 to 2 percent slopes
523A	Dunham silty clay loam, 0 to 2 percent slopes
198A	Elburn silt loam, 0 to 2 percent slopes
146A	Elliott silt loam, 0 to 2 percent slopes
146B	Elliott silt loam, 2 to 4 percent slopes
356A	Elpaso silty clay loam, 0 to 2 percent slopes
154A	Flanagan silt loam, 0 to 2 percent slopes
327D2	Fox loam, 6 to 12 percent slopes, eroded
327A	Fox silt loam, 0 to 2 percent slopes
327B	Fox silt loam, 2 to 4 percent slopes
327C2	Fox silt loam, 4 to 6 percent slopes, eroded
541B	Graymont silt loam, 2 to 5 percent slopes
526A	Grundelein silt loam, 0 to 2 percent slopes

Soil Symbol	Map Unit Name
67A	Harpster silty clay loam, 0 to 2 percent slopes
344C2	Harvard silt loam, 5 to 10 percent slopes, eroded
62A	Herbert silt loam, 0 to 2 percent slopes
488A	Hooppole loam, 0 to 2 percent slopes
103A	Houghton muck , 0 to 2 percent slopes
1103A	Houghton muck, undrained, 0 to 2 percent slopes
343A	Kane silt loam, 0 to 2 percent slopes
667A	Kaneville silt loam, 0 to 2 percent slopes
667B	Kaneville silt loam, 2 to 5 percent slopes
242A	Kendall silt loam, 0 to 2 percent slopes
527D3	Kidami clay loam, 6 to 12 percent slopes, severely eroded
527C2	Kidami loam, 4 to 6 percent slopes, eroded
527D2	Kidami loam, 6 to 12 percent slopes, eroded
527B	Kidami silt loam, 2 to 4 percent slopes
361E2	Kidder loam, 12 to 20 percent slopes, eroded
361B	Kidder loam, 2 to 4 percent slopes
361C2	Kidder loam, 4 to 6 percent slopes, eroded
361D2	Kidder loam, 6 to 12 percent slopes, eroded
626A	Kish loam, 0 to 2 percent slopes
60D2	La Rose loam, 10 to 18 percent slopes, eroded
60C2	La Rose loam, 5 to 10 percent slopes, eroded
830	Landfills
210A	Lena muck, 0 to 2 percent slopes
1210A	Lena muck, undrained, 0 to 2 percent slopes
59A	Lisbon silt loam, 0 to 2 percent slopes
59B	Lisbon silt loam, 2 to 4 percent slopes
318A	Lorenzo loam, 0 to 2 percent slopes
318B	Lorenzo loam, 2 to 4 percent slopes
318C2	Lorenzo loam, 4 to 6 percent slopes, eroded
318D2	Lorenzo loam, 6 to 12 percent slopes, eroded
531B	Markham silt loam, 2 to 4 percent slopes
531C2	Markham silt loam, 4 to 6 percent slopes, eroded
570B	Martinsville silt loam, 2 to 4 percent slopes
570C2	Martinsville silt loam, 4 to 6 percent slopes, eroded
193A	Mayville silt loam, 0 to 2 percent slopes
193B	Mayville silt loam, 2 to 5 percent slopes
193C2	Mayville silt loam, 5 to 10 percent slopes, eroded
69A	Milford silty clay loam, 0 to 2 percent slopes
219A	Millbrook silt loam, 0 to 2 percent slopes
3082A	Millington silt loam, 0 to 2 percent slopes, frequently flooded
8082A	Millington silt loam, 0 to 2 percent slopes, occasionally flooded
739B	Milton silt loam, 0 to 6 percent slopes
739D	Milton silt loam, 6 to 12 percent slopes
442A	Mundelein silt loam, 0 to 2 percent slopes
903A	Muskego and Houghton mucks, 0 to 2 percent slopes
656B	Octagon silt loam, 2 to 4 percent slopes
656C2	Octagon silt loam, 4 to 6 percent slopes, eroded
656D2	Octagon silt loam, 6 to 12 percent slopes, eroded
805B	Orthents, clayey, undulating
802D	Orthents, loamy, rolling

Soil Symbol	Map Unit Name
802B	Orthents, loamy, undulating
3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded
8076A	Otter silt loam, 0 to 2 percent slopes, occasionally flooded
530E	Ozaukee silt loam, 12 to 20 percent slopes
530B	Ozaukee silt loam, 2 to 4 percent slopes
530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded
530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
221B	Parr silt loam, 2 to 5 percent slopes
221B2	Parr silt loam, 2 to 5 percent slopes, eroded
221C2	Parr silt loam, 5 to 10 percent slopes, eroded
330A	Peotone silty clay loam, 0 to 2 percent slopes
865	Pits, gravel
864	Pits, quarry
148B	Proctor silt loam, 2 to 5 percent slopes
297B	Ringwood silt loam, 2 to 4 percent slopes
791A	Rush silt loam, 0 to 2 percent slopes
791B	Rush silt loam, 2 to 4 percent slopes
791C2	Rush silt loam, 4 to 6 percent slopes, eroded
236A	Sabina silt loam, 0 to 2 percent slopes
1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
125A	Selma loam, 0 to 2 percent slopes
529A	Selmass loam, 0 to 2 percent slopes
618E	Senachwine silt loam, 12 to 20 percent slopes
618F	Senachwine silt loam, 20 to 30 percent slopes
668A	Somonauk silt loam, 0 to 2 percent slopes
668B	Somonauk silt loam, 2 to 5 percent slopes
206A	Thorp silt loam, 0 to 2 percent slopes
223B	Varna silt loam, 2 to 4 percent slopes
223C2	Varna silt loam, 4 to 6 percent slopes, eroded
104A	Virgil silt loam, 0 to 2 percent slopes
290A	Warsaw loam, 0 to 2 percent slopes
290B	Warsaw loam, 2 to 4 percent slopes
W	Water
697A	Wauconda silt loam, 0 to 2 percent slopes
369A	Waupecan silt loam, 0 to 2 percent slopes
369B	Waupecan silt loam, 2 to 4 percent slopes
329A	Will loam, 0 to 2 percent slopes
348B	Wingate silt loam, 2 to 5 percent slopes
348C2	Wingate silt loam, 5 to 10 percent slopes, eroded
696B	Zurich silt loam, 2 to 4 percent slopes

MLRA 95B, 108A, and 110
Kane County Subset
Numerical Identification Legend

Soil Symbol	Map Unit Name
W	Water
23A	Blount silt loam, 0 to 2 percent slopes
59A	Lisbon silt loam, 0 to 2 percent slopes
59B	Lisbon silt loam, 2 to 4 percent slopes
60C2	La Rose loam, 5 to 10 percent slopes, eroded
60D2	La Rose loam, 10 to 18 percent slopes, eroded
62A	Herbert silt loam, 0 to 2 percent slopes
67A	Harpster silty clay loam, 0 to 2 percent slopes
69A	Milford silty clay loam, 0 to 2 percent slopes
103A	Houghton muck , 0 to 2 percent slopes
104A	Virgil silt loam, 0 to 2 percent slopes
125A	Selma loam, 0 to 2 percent slopes
134C2	Camden silt loam, 5 to 10 percent slopes, eroded
146A	Elliott silt loam, 0 to 2 percent slopes
146B	Elliott silt loam, 2 to 4 percent slopes
148B	Proctor silt loam, 2 to 5 percent slopes
149A	Brenton silt loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes
154A	Flanagan silt loam, 0 to 2 percent slopes
171A	Catlin silt loam, 0 to 2 percent slopes
171B	Catlin silt loam, 2 to 5 percent slopes
193A	Mayville silt loam, 0 to 2 percent slopes
193B	Mayville silt loam, 2 to 5 percent slopes
193C2	Mayville silt loam, 5 to 10 percent slopes, eroded
198A	Elburn silt loam, 0 to 2 percent slopes
206A	Thorp silt loam, 0 to 2 percent slopes
210A	Lena muck, 0 to 2 percent slopes
219A	Millbrook silt loam, 0 to 2 percent slopes
221B	Parr silt loam, 2 to 5 percent slopes
221B2	Parr silt loam, 2 to 5 percent slopes, eroded
221C2	Parr silt loam, 5 to 10 percent slopes, eroded
223B	Varna silt loam, 2 to 4 percent slopes
223C2	Varna silt loam, 4 to 6 percent slopes, eroded
232A	Ashkum silty clay loam, 0 to 2 percent slopes
233A	Birkbeck silt loam, 0 to 2 percent slopes
233B	Birkbeck silt loam, 2 to 5 percent slopes
233C2	Birkbeck silt loam, 5 to 10 percent slopes, eroded
236A	Sabina silt loam, 0 to 2 percent slopes
242A	Kendall silt loam, 0 to 2 percent slopes
290A	Warsaw loam, 0 to 2 percent slopes
290B	Warsaw loam, 2 to 4 percent slopes
297B	Ringwood silt loam, 2 to 4 percent slopes
298A	Beecher silt loam, 0 to 2 percent slopes
298B	Beecher silt loam, 2 to 4 percent slopes
318A	Lorenzo loam, 0 to 2 percent slopes
318B	Lorenzo loam, 2 to 4 percent slopes

Soil Symbol	Map Unit Name
318C2	Lorenzo loam, 4 to 6 percent slopes, eroded
318D2	Lorenzo loam, 6 to 12 percent slopes, eroded
323C2	Casco loam, 4 to 6 percent slopes, eroded
323D2	Casco loam, 6 to 12 percent slopes, eroded
325A	Dresden silt loam, 0 to 2 percent slopes
325B	Dresden silt loam, 2 to 4 percent slopes
325C2	Dresden silt loam, 4 to 6 percent slopes, eroded
327D2	Fox loam, 6 to 12 percent slopes, eroded
327A	Fox silt loam, 0 to 2 percent slopes
327B	Fox silt loam, 2 to 4 percent slopes
327C2	Fox silt loam, 4 to 6 percent slopes, eroded
329A	Will loam, 0 to 2 percent slopes
330A	Peotone silty clay loam, 0 to 2 percent slopes
343A	Kane silt loam, 0 to 2 percent slopes
344C2	Harvard silt loam, 5 to 10 percent slopes, eroded
348B	Wingate silt loam, 2 to 5 percent slopes
348C2	Wingate silt loam, 5 to 10 percent slopes, eroded
356A	Elpaso silty clay loam, 0 to 2 percent slopes
361B	Kidder loam, 2 to 4 percent slopes
361C2	Kidder loam, 4 to 6 percent slopes, eroded
361D2	Kidder loam, 6 to 12 percent slopes, eroded
361E2	Kidder loam, 12 to 20 percent slopes, eroded
369A	Waupecan silt loam, 0 to 2 percent slopes
369B	Waupecan silt loam, 2 to 4 percent slopes
442A	Mundelein silt loam, 0 to 2 percent slopes
488A	Hooppole loam, 0 to 2 percent slopes
512A	Danabrook silt loam, 0 to 2 percent slopes
512B	Danabrook silt loam, 2 to 5 percent slopes
512C2	Danabrook silt loam, 5 to 10 percent slopes, eroded
523A	Dunham silty clay loam, 0 to 2 percent slopes
526A	Grundelein silt loam, 0 to 2 percent slopes
527B	Kidami silt loam, 2 to 4 percent slopes
527C2	Kidami loam, 4 to 6 percent slopes, eroded
527D2	Kidami loam, 6 to 12 percent slopes, eroded
527D3	Kidami clay loam, 6 to 12 percent slopes, severely eroded
529A	Selmass loam, 0 to 2 percent slopes
530B	Ozaukee silt loam, 2 to 4 percent slopes
530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded
530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
530E	Ozaukee silt loam, 12 to 20 percent slopes
531B	Markham silt loam, 2 to 4 percent slopes
531C2	Markham silt loam, 4 to 6 percent slopes, eroded
541B	Graymont silt loam, 2 to 5 percent slopes
570B	Martinsville silt loam, 2 to 4 percent slopes
570C2	Martinsville silt loam, 4 to 6 percent slopes, eroded
614A	Chenoa silty clay loam, 0 to 2 percent slopes
618E	Senachwine silt loam, 12 to 20 percent slopes
618F	Senachwine silt loam, 20 to 30 percent slopes
626A	Kish loam, 0 to 2 percent slopes
656B	Octagon silt loam, 2 to 4 percent slopes

Soil Symbol	Map Unit Name
656C2	Octagon silt loam, 4 to 6 percent slopes, eroded
656D2	Octagon silt loam, 6 to 12 percent slopes, eroded
662A	Barony silt loam, 0 to 2 percent slopes
662B	Barony silt loam, 2 to 5 percent slopes
663A	Clare silt loam, 0 to 2 percent slopes
663B	Clare silt loam, 2 to 5 percent slopes
667A	Kaneville silt loam, 0 to 2 percent slopes
667B	Kaneville silt loam, 2 to 5 percent slopes
668A	Somonauk silt loam, 0 to 2 percent slopes
668B	Somonauk silt loam, 2 to 5 percent slopes
679A	Blackberry silt loam, 0 to 2 percent slopes
679B	Blackberry silt loam, 2 to 5 percent slopes
680A	Campton silt loam, 0 to 2 percent slopes
680B	Campton silt loam, 2 to 5 percent slopes
696B	Zurich silt loam, 2 to 4 percent slopes
697A	Wauconda silt loam, 0 to 2 percent slopes
739B	Milton silt loam, 0 to 6 percent slopes
739D	Milton silt loam, 6 to 12 percent slopes
791A	Rush silt loam, 0 to 2 percent slopes
791B	Rush silt loam, 2 to 4 percent slopes
791C2	Rush silt loam, 4 to 6 percent slopes, eroded
792A	Bowes silt loam, 0 to 2 percent slopes
792B	Bowes silt loam, 2 to 4 percent slopes
792C2	Bowes silt loam, 4 to 6 percent slopes, eroded
802B	Orthents, loamy, undulating
802D	Orthents, loamy, rolling
805B	Orthents, clayey, undulating
830	Landfills
864	Pits, quarry
865	Pits, gravel
903A	Muskego and Houghton mucks, 0 to 2 percent slopes
969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded
969F	Casco-Rodman complex, 20 to 30 percent slopes
1103A	Houghton muck, undrained, 0 to 2 percent slopes
1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
1210A	Lena muck, undrained, 0 to 2 percent slopes
3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded
3082A	Millington silt loam, 0 to 2 percent slopes, frequently flooded
8076A	Otter silt loam, 0 to 2 percent slopes, occasionally flooded
8082A	Millington silt loam, 0 to 2 percent slopes, occasionally flooded

Classification of Pedons Sampled For Laboratory Analysis For Kane County, Illinois A Subset of MLRA 95B, 108A, and 110

1. Laboratory Data from NSSL

Sampled As	Pedon Number	Approved Series Name
Bowes[1]	S67IL-089-001	Bowes
Dodge[1]	S67IL-089-002	Mayville
Drummer[1]	S67IL-089-006	Drummer
Drummer[1]	S67IL-089-007	Harpster
Drummer[1]	S67IL-089-008	Drummer
Flanagan[1]	S67IL-089-005	Flanagan
Octagon[1]	S67IL-089-003	Octagon
Saybrook[1]	S67IL-089-004	Danabrook

2. Laboratory Data from the U of IL Pedology Lab

Sampled As	Pedon Number	Approved Series Name
Thorp[1]	S74IL-089-016	Thorp

3. Laboratory Data from the Morton Arboretum Soil Characterization Laboratory

Sampled As	Pedon Number	Approved Series Name
Flanagan	97IL-089-003	Classifies as fine-silty, mixed, superactive, mesic Aquic Argiudolls. Mapped as an inclusion in Flanagan.

4. Engineering Test Data from IL Dept. of Transportation

Sampled As	Pedon Number	Approved Series Name
Bowes[1]	S74IL-089-006(1-3)	Bowes
Dresden[1]	S73IL-089-002(1-4)	Dresden
Harvard[1]	S74IL-089-032(1-4)	Barony

4. Engineering Test Data (continued)

Sampled As	Pedon Number	Approved Series Name
Herbert[1]	S74IL-089-014(1,4,&8)	Herbert
Kane[1]	S73IL-089-004(1-4)	Kane
Lorenzo[1]	S73IL-089-001(1-3)	Lorenzo
Markham[1]	S74IL-089-010(1-3)	Markham
Millbrook[1]	S74IL-089-023(1,3,6,&8)	Millbrook
Octagon[1]	S73IL-089-005(1-3)	Octagon
Rush[1]	S74IL-089-007(1-3)	Rush
St. Charles[1]	S74IL-089-024(1-4)	Campton
Will[1]	S73IL-089-003(1-3)	Will

[1] Pedon was previously identified in the "Classification and Correlation of the Soils of Kane County, Illinois", dated July 1976.

Notes to Accompany the Classification and Correlation of the Soils of Kane County Prepared by Dale E. Calsyn

Soil Name	Comments	OSD (Y/N)	TP Location	Pedon Number	MLRA
Ashkum	Required for join with DuPage County. Also, narrower delineations of Milford occurring in end and ground moraines were correlated to Ashkum.	Y	Will County	96IL-197-023	110.
Barony	It replaces those soils which were previously mapped Harvard fitting an Oxyaquic subgroup classification.	Y	Kane County	97IL-089-002	95B.
Batavia	See notes for Kaneville series.				
Beecher	Previously correlated for Soil Report # 109.	Y	Kankakee County	97IL-091-002	110.
Birkbeck	Previously correlated for Soil Report # 109.	Y	Macon County	80IL-115-035	108A.
Blackberry	This series replaces those soils previously mapped Plano fitting an Oxyaquic subgroup classification.	Y	Kane County	98IL-089-003	108A.
Blount	Required for join with DuPage County.	N	Livingston County	87IL-105-090	110.
Bowes	Previously correlated for Soil Report # 109.	Y	Kane County		95B.
Brenton	Previously correlated for Soil Report # 109.	N	McHenry County	95IL-111-007	95B.
Camden	See notes for Somonauk series. Previously correlated for Soil Report # 109.	N	Bureau County	85IL-011-005	108A.
Campton	This series replaces those soils previously mapped St. Charles fitting an Oxyaquic subgroup classification.	Y	Kane County	98IL-089-001	95B.
Canisteo	See notes for Hooppole and Kish series.				
Casco	Previously correlated for Soil Report # 109.	Y	McHenry County	94IL-111-029	95B.
Catlin	Previously correlated for Soil Report # 109.	Y	Ogle County	72IL-141-015	108B.
Chenoa	Required for join with DuPage County.	Y	Livingston County	87IL-105-121	110.
Clare	This series replaces those soils previously mapped Proctor fitting an Oxyaquic subgroup classification.	Y	DeKalb County	97IL-037-008	95B.
Danabrook	These soils were previously mapped Saybrook. The clay content in the lower part of the series control section averages less than 20 percent. The 512C2 map unit is a taxadjunct to the series because it has a thinner, dark colored surface layer than is defined for the series. It classifies as fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs.	Y	DeKalb County	95IL-037-004	95B.

Soil Name	Comments	OSD (Y/N)	TP Location	Pedon Number	MLRA
Dodge	See notes for Mayville series.				
Dresden	Previously correlated for Soil Report # 109.	N	Kane County	94IL-089-004	95B.
Drummer	Previously correlated for Soil Report # 109.	Y	Champaign County	77IL-019-034	108A.
Dunham	On the original field sheets, areas were previously mapped 713 - Drummer silty clay loam, gravelly and sandy substratum which were correlated to Drummer. Those delineations will now be identified as Dunham soils with this update.	Y	McHenry County	93IL-111-035	95B.
Elburn	Previously correlated for Soil Report # 109.	Y	Logan County IL	96IL-107-007	108A.
Elliott	Previously correlated for Soil Report # 109.	Y	Livingston County	85IL-105-034	110.
Elpaso	This series replaces certain areas of Drummer soils which are mapped in narrow drainageways within dissected end and ground moraines. These areas were found to be underlain by till rather than glacial outwash.	Y	Woodford County	91IL-203-085	108A.
Faxon	Formerly mapped in complex with Ripon soils. With this update, these units will be mapped as consociations. Areas of this component were found to contain gravelly layers rather than bedrock. This component will be included with either Millington or Otter.	N			
Flanagan	Previously correlated for Soil Report # 109.	Y	Champaign County	76IL-019-022	108A.
Fox	Previously correlated for Soil Report # 109.	Y	Jefferson County, WI		95B.
Graymont	Required for join with DuPage County.	Y	Livingston County	90IL-105-001	110.
Grundelein	On the original field sheets, areas were previously mapped 712 - Elburn silt loam, gravelly and sandy substratum which were correlated to Elburn. Those delineations will now be identified as Grundelein soils with this update.	Y	McHenry County	93IL-111-038	95B.
Harpster	Previously correlated for Soil Report # 109.	Y	Ford County	67IL-053-001	108A.
Harvard	See notes for Barony series. Previously correlated for Soil Report # 109.		DeKalb County	94IL-037-012	95B.
Herbert	Previously correlated for Soil Report # 109.	Y	DeKalb County	94IL-037-004	95B.
Hooppole	These soils were previously mapped Canisteo. They were found to be developed in outwash rather than till. Mapped predominantly in association with gravelly outwash soils. Sandy textures are dominant after 40 inches in the profile.	Y	Bureau County	83IL-011-066	108B.

Soil Name	Comments	OSD (Y/N)	TP Location	Pedon Number	MLRA
Houghton	Previously correlated for Soil Report # 109.	N	McHenry County	94IL-111-027	95B.
Kane	Previously correlated for Soil Report # 109.	Y	McHenry County	94IL-111-072	95B.
Kaneville	This series replaces those soils previously mapped Batavia fitting an Oxyaquic subgroup classification.	Y	Kane County	97IL-089-001	108A.
Kendall	This series was previously mapped on the original field sheets but was then correlated to Virgil. Those delineations will now be identified as Kendall soils with this update.	Y	Douglas County	98IL-041-002	108A.
Kidami	These soils were previously mapped Miami. The till in the lower part of the series control section is not as dense as is required for the Miami series.	Y	McHenry County	92IL-111-031	95B.
Kidder	Previously correlated for Soil Report # 109.	Y	Rock County, WI		95B.
Kish	These soils were previously mapped Canisteo. They were found to be developed in outwash rather than till. Loamy textures are dominant after 40 inches in the profile.	Y	McHenry County	95IL-111-002	95B.
La Rose	Previously correlated for Soil Report # 109.	N	McHenry County	93IL-111-019	95B
Lena	Previously correlated for Soil Report # 109.	N	McHenry County	94IL-111-033.	95B
Lisbon	Previously correlated for Soil Report # 109.	Y	Boone County	94IL-007-003	95B.
Lorenzo	Previously correlated for Soil Report # 109.		McHenry County	93IL-111-021	95B.
Markham	Previously correlated for Soil Report # 109.	Y	DuPage County	97IL-043-010	110.
Martinsville	Previously correlated for Soil Report # 109.	N	Kane County	94IL-089-003	95B.
Mayville	This series replaces those soils previously mapped Dodge fitting an Oxyaquic subgroup classification.	Y	Washington County, WI		95B.
Miami	See notes for Kidami series.				
Milford	Previously correlated for Soil Report # 109.	Y	Iroquois County	59IL-075-001	110.
Millbrook	Previously correlated for Soil Report # 109.	N	DeKalb County	95IL-037-002	95B.
Millington	Previously correlated for Soil Report # 109.	N	Kane County	99IL-089-001	110.
Milton	This series replaces those soils previously mapped Ripon which was mapped in complex with Faxon soils.	N	Kane County	99IL-089-004	110.
Morley	See notes for Ozaukee series.				
Mundelein	Previously correlated for Soil Report # 109.	Y	Lake County	97IL-097-005	110.

Soil Name	Comments	OSD (Y/N)	TP Location	Pedon Number	MLRA
Muskego	Required for join with DuPage County. Mapped with Houghton in an undifferentiated unit.		DuPage County	97IL-043-014	110.
Octagon	Previously correlated for Soil Report # 109.		Kane County	94IL-089-005	95B.
Orthents, clayey	This unit replaces certain delineations of 392 - Urban land-Orthents, loamy complex which were mapped in silty clay loam till areas.				
Orthents, loamy	This unit replaces most delineations which were previously identified as 392 - Urban land-Orthents, loamy complex.				
Otter	Previously correlated for Soil Report # 109.	Y	DeKalb County	97IL-037-018	108A.
Ozaukee	This series replaces those soils previously mapped Morley. Pedons in the county average over 50 percent silt in the lower part of the series control section.	N	DuPage County	97IL-043-004	110.
Parr	This series replaces those areas of Octagon soils which had previously been mapped in areas where the native vegetation is prairie. The 221B2 and 221C2 are taxadjuncts to the series because they have thinner, dark colored surface layers than are defined for the series. They classify as fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs.	N	McHenry County	94IL-111-015	95B.
Peotone	Previously correlated for Soil Report # 109.	Y	Ford County	83IL-053-021	110.
Plano	See notes for Blackberry series.				
Proctor	See notes for Clare series. Previously correlated for Soil Report # 109. Required primarily for join with McHenry County.	N	DeKalb County	95IL-037-001	95B.
Ringwood	Required for join with McHenry County.	Y	McHenry County	92IL-111-030	95B.
Ripon	See notes for Milton series. Formerly mapped in complex with Faxon soils.				
Rodman	Previously correlated for Soil Report # 109. Mapped in complex with Casco.	N	McHenry County	94IL-111-028	95B.
Rush	Previously correlated for Soil Report # 109.	N	Kane County	94IL-089-002	95B.
Sabina	Previously correlated for Soil Report # 109.	Y	Douglas County	98IL-041-001	108A.
Sawmill	Required for join with DuPage County.	N	Livingston County	86IL-105-052	110.
Saybrook	See notes for Danabrook series.				
Selma	Previously correlated for Soil Report # 109.	N	Grundy County	97IL-063-003	110.
Selmass	This series replaces those areas of Selma soils which had previously been mapped in association with gravelly outwash soils.	Y	McHenry County	94IL-111-066	95B.

Soil Name	Comments	OSD (Y/N)	TP Location	Pedon Number	MLRA
	These areas were found to have sandy outwash between a depth of 40 and 60 inches.				
Senachwine	This series replaces those soils previously mapped Miami fitting a Typic subgroup classification.	N	McHenry County	94IL-111-002	95B.
Somonauk	This series replaces those soils previously mapped Camden fitting an Oxyaquic subgroup classification.	Y	DeKalb County	96IL-037-221	95B.
St. Charles	See notes for Campton series.				
Thorp	Previously correlated for Soil Report # 109.	Y	LaSalle County	96IL-099-008	108A.
Varna	Previously correlated for Soil Report # 109. The 223C2 map unit is a taxadjunct to the series because it has a thinner, dark colored surface layer than is defined for the series. It classifies as fine illitic, mesic Oxyaquic Hapludalfs.	Y	Kankakee County	97IL-091-003	110.
Virgil	Previously correlated for Soil Report # 109.	Y	Stephenson County		95B.
Warsaw	Previously correlated for Soil Report # 109.	N	McHenry County	94IL-111-010	95B.
Wauconda	Previously correlated for Soil Report # 109.	Y	Lake County	97IL-097-002	110.
Waupecan	Previously correlated for Soil Report # 109.	Y	Kane County	95IL-089-006	95B.
Will	Previously correlated for Soil Report # 109 as a taxadjunct to the Will series because the transitional layer between the fine-loamy outwash and the sandy or sandy-skeletal material was too thick. As a result, the series did not have a strongly contrasting particle-size class. Through field investigations in the subset and adjacent 95B subsets, the majority of the pedons were found to have a strongly contrasting particle-size class. Will soils will not be considered as a taxadjunct with this update.	Y	Winnebago County	94IL-201-006	95B.
Wingate	This series replaces certain areas of Saybrook soils which were mapped in areas where the vegetation was transitional between forest and prairie. These areas were found to have mollic intergrade surface layers.	Y	Edgar County	87IL-045-034	108A
Zurich	Previously correlated for Soil Report # 109.	Y	Lake County	97IL-097-004	110.

Prime Farmland
Kane County, Illinois

Map Symbol	Soil Map Unit Name
23A	Blount silt loam, 0 to 2 percent slopes (where drained)
59A	Lisbon silt loam, 0 to 2 percent slopes
59B	Lisbon silt loam, 2 to 4 percent slopes
60C2	La Rose loam, 5 to 10 percent slopes, eroded
62A	Herbert silt loam, 0 to 2 percent slopes (where drained)
67A	Harpster silty clay loam, 0 to 2 percent slopes (where drained)
69A	Milford silty clay loam, 0 to 2 percent slopes (where drained)
104A	Virgil silt loam, 0 to 2 percent slopes (where drained)
125A	Selma loam, 0 to 2 percent slopes (where drained)
146A	Elliott silt loam, 0 to 2 percent slopes
146B	Elliott silt loam, 2 to 4 percent slopes
148B	Proctor silt loam, 2 to 5 percent slopes
149A	Brenton silt loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes (where drained)
154A	Flanagan silt loam, 0 to 2 percent slopes
171A	Catlin silt loam, 0 to 2 percent slopes
171B	Catlin silt loam, 2 to 5 percent slopes
193A	Mayville silt loam, 0 to 2 percent slopes
193B	Mayville silt loam, 2 to 5 percent slopes
198A	Elburn silt loam, 0 to 2 percent slope
206A	Thorp silt loam, 0 to 2 percent slopes (where drained)
219A	Millbrook silt loam, 0 to 2 percent slopes (where drained)
221B	Parr silt loam, 2 to 5 percent slopes
221B2	Parr silt loam, 2 to 5 percent slopes, eroded
221C2	Parr silt loam, 5 to 10 percent slopes, eroded
223B	Varna silt loam, 2 to 4 percent slopes
223C2	Varna silt loam, 4 to 6 percent slopes, eroded
232A	Ashkum silty clay loam, 0 to 2 percent slopes (where drained)
233A	Birkbeck silt loam, 0 to 2 percent slopes
233B	Birkbeck silt loam, 2 to 5 percent slopes
236A	Sabina silt loam, 0 to 2 percent slopes (where drained)
242A	Kendall silt loam, 0 to 2 percent slopes (where drained)
290A	Warsaw loam, 0 to 2 percent slopes
290B	Warsaw loam, 2 to 4 percent slopes
297B	Ringwood silt loam, 2 to 4 percent slopes
298A	Beecher silt loam, 0 to 2 percent slopes (where drained)
298B	Beecher silt loam, 2 to 4 percent slopes
325A	Dresden silt loam, 0 to 2 percent slopes
325B	Dresden silt loam, 2 to 4 percent slopes
325C2	Dresden silt loam, 4 to 6 percent slopes, eroded
327A	Fox silt loam, 0 to 2 percent slopes
327B	Fox silt loam, 2 to 4 percent slopes
327C2	Fox silt loam, 4 to 6 percent slopes, eroded
329A	Will loam, 0 to 2 percent slopes (where drained)
330A	Peotone silty clay loam, 0 to 2 percent slopes (where drained)

Kane County Prime Farmland (continued)

Map Symbol	Soil Map Unit Name
343A	Kane silt loam, 0 to 2 percent slopes
348B	Wingate silt loam, 2 to 5 percent slopes
356A	Elpaso silty clay loam, 0 to 2 percent slopes (where drained)
361B	Kidder loam, 2 to 4 percent slopes
361C2	Kidder loam, 4 to 6 percent slopes, eroded
369A	Waupecan silt loam, 0 to 2 percent slopes
369B	Waupecan silt loam, 2 to 4 percent slopes
442A	Mundelein silt loam, 0 to 2 percent slopes
488A	Hooppole loam, 0 to 2 percent slopes (where drained)
512A	Danabrook silt loam, 0 to 2 percent slopes
512B	Danabrook silt loam, 2 to 5 percent slopes
523A	Dunham silty clay loam, 0 to 2 percent slopes (where drained)
526A	Grundelein silt loam, 0 to 2 percent slopes
527B	Kidami silt loam, 2 to 4 percent slopes
527C2	Kidami loam, 4 to 6 percent slopes, eroded
529A	Selmass loam, 0 to 2 percent slopes (where drained)
530B	Ozaukee silt loam, 2 to 4 percent slopes
530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded
531B	Markham silt loam, 2 to 4 percent slopes
531C2	Markham silt loam, 4 to 6 percent slopes, eroded
541B	Graymont silt loam, 2 to 5 percent slopes
570B	Martinsville silt loam, 2 to 4 percent slopes
570C2	Martinsville silt loam, 4 to 6 percent slopes, eroded
614A	Chenoa silty clay loam, 0 to 2 percent slopes
626A	Kish loam, 0 to 2 percent slopes (where drained)
656B	Octagon silt loam, 2 to 4 percent slopes
656C2	Octagon silt loam, 4 to 6 percent slopes, eroded
662A	Barony silt loam, 0 to 2 percent slopes
662B	Barony silt loam, 2 to 5 percent slopes
663A	Clare silt loam, 0 to 2 percent slopes
663B	Clare silt loam, 2 to 5 percent slopes
667A	Kaneville silt loam, 0 to 2 percent slopes
667B	Kaneville silt loam, 2 to 5 percent slopes
668A	Somonauk silt loam, 0 to 2 percent slopes
668B	Somonauk silt loam, 2 to 5 percent slopes
679A	Blackberry silt loam, 0 to 2 percent slopes
679B	Blackberry silt loam, 2 to 5 percent slopes
680A	Campton silt loam, 0 to 2 percent slopes
680B	Campton silt loam, 2 to 5 percent slopes
696B	Zurich silt loam, 2 to 4 percent slopes
697A	Wauconda silt loam, 0 to 2 percent slopes (where drained)
739B	Milton silt loam, 0 to 6 percent slopes
791A	Rush silt loam, 0 to 2 percent slopes
791B	Rush silt loam, 2 to 4 percent slopes
792A	Bowes silt loam, 0 to 2 percent slopes
792B	Bowes silt loam, 2 to 4 percent slopes

Kane County Prime Farmland (continued)

Map Symbol	Soil Map Unit Name
792C2	Bowes silt loam, 4 to 6 percent slopes, eroded
3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded (where drained and either protected from flooding or flooding is less often than once in two years during the growing season)
3082A	Millington loam, 0 to 2 percent slopes, frequently flooded (where drained and either protected from flooding or flooding is less often than once in two years during the growing season)
8076A	Otter silt loam, 0 to 2 percent slopes, occasionally flooded (where drained)
8082A	Millington silt loam, 0 to 2 percent slopes, occasionally flooded (where drained)

Classification of the Soils of Kane County, Illinois

Soil name	Family or higher taxonomic class
Ashkum	Fine, mixed, superactive, mesic Typic Endoaquolls
Barony	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Beecher	Fine, illitic, mesic Udollic Epiaqualfs
Birkbeck	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Blackberry	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Blount	Fine, illitic, mesic Aeric Epiaqualfs
Bowes	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs
Brenton	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Camden	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Campton	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Casco	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Inceptic Hapludalfs
Catlin	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Chenoa	Fine, illitic, mesic Aquic Argiudolls
Clare	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Danabrook[1]	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Dresden	Fine-loamy over sandy or sandy-skeletal, mixed, active, mesic Mollic Hapludalfs
Drummer	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Dunham	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Elburn	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Elliott	Fine, illitic, mesic Aquic Argiudolls
Elpaso	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Flanagan	Fine, smectitic, mesic Aquic Argiudolls
Fox	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Hapludalfs
Graymont	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Grundelein	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Harpster	Fine-silty, mixed, superactive, mesic Typic Calciaquolls
Harvard	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs
Herbert	Fine-silty, mixed, superactive, mesic Udollic Epiaqualfs
Hooppole	Fine-loamy, mixed, superactive, calcareous, mesic Typic Endoaquolls
Houghton	Euic, mesic Typic Haplosaprists
Kane	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Aquic Argiudolls
Kaneville	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Kendall	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Kidami	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
Kidder	Fine-loamy, mixed, active, mesic Typic Hapludalfs

Kane County Classification of the Soils (continued)

Soil name	Family or higher taxonomic class
Kish	Fine-loamy, mixed, superactive, calcareous, mesic Typic Endoaquolls
La Rose	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
Lena	Euic, mesic Typic Haplosaprists
Lisbon	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Lorenzo	Fine-loamy over sandy or sandy-skeletal, mixed, active, mesic Typic Argiudolls
Markham	Fine, illitic, mesic Oxyaquic Hapludalfs
Martinsville	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Mayville	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Milford	Fine, mixed, superactive, mesic Typic Endoaquolls
Millbrook	Fine-silty, mixed, superactive, mesic Udollic Endoaqualfs
Millington	Fine-loamy, mixed, superactive, calcareous, mesic Cumulic Endoaquolls
Milton	Fine, mixed, active, mesic Typic Hapludalfs
Mundelein	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Muskego	Coprogenous, euic, mesic Limnic Haplosaprists
Octagon	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
Orthents, clayey	Fine, mixed, active, nonacid, mesic Aquic Udorthents
Orthents, loamy	Fine-loamy, mixed, active, nonacid, mesic Oxyaquic Udorthents
Otter	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
Ozaukee	Fine, illitic, mesic Oxyaquic Hapludalfs
Parr[(1)]	Fine-loamy, mixed, active, mesic Oxyaquic Argiudolls
Peotone	Fine, smectitic, mesic Cumulic Vertic Endoaquolls
Proctor	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Ringwood	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
Rodman	Sandy-skeletal, mixed, mesic Typic Hapludolls
Rush	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Sabina	Fine, smectitic, mesic Aeric Epiaqualfs
Sawmill	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
Selma	Fine-loamy, mixed, superactive, mesic Typic Endoaquolls
Selmass	Fine-loamy, mixed, superactive, mesic Typic Endoaquolls
Senachwine	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Somonauk	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Thorp	Fine-silty, mixed, superactive, mesic Argiaquic Argialbolls
Varna[(1)]	Fine, illitic, mesic Oxyaquic Argiudolls
Virgil	Fine-silty, mixed, superactive, mesic Udollic Endoaqualfs
Warsaw	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Argiudolls

Kane County Classification of the Soils (continued)

Soil name	Family or higher taxonomic class
Wauconda	Fine-silty, mixed, superactive, mesic Udollic Endoaqualfs
Waupecan	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Will	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Endoaquolls
Wingate	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Zurich	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs

(1) Moderately eroded phases of these soils are taxadjunct to the series. See "Notes to Accompany the Correlation and Classification of Soils in Kane County" for a description of those characteristics that are outside the range of the series.

Certification Statement

The MLRA Region 11 Team Leader certifies that:

a. The fieldwork activities were completed in December 1999.

b. Kane County joins the following subsets:
McHenry County, a subset of MLRA 95B, is to the north (digital product due 2000)
Cook County, a subset of MLRA 110, is to the east (published 1979)
DuPage County, a subset of MLRA 110, is to the east (digital product is due 2000)
Kendall County, a subset of MLRA 108A and 110, is to the south (published 1978)
DeKalb County, a subset of MLRA 95B and 108A, is to the west (digital product is due 2001)

An exact join has been completed with those counties scheduled for digital products. The remaining counties have an acceptable join and will have an exact join when they are updated to their respective MLRA legends.

c. Interpretations have been coordinated and agree with adjoining survey areas.

d. The locations of all typical pedons have been checked for accuracy, and that they occur in delineations using those names. Typical pedons are those that represent the taxonomic units in MLRA 95B, 108A, or 110. Not all typical pedons are located in Kane County but are within other subsets of those MLRA.

e. All typical pedons are classified according to Keys to Soil Taxonomy, 8th edition, 1998.

f. The digital soil maps, once complete, will be reviewed for accuracy and consistency.

Approval Signature and Date:

Travis Neely — 3/22/00
Travis Neely
Team Leader
MLRA Region 11
Date

William J. Gradle — 3/22/00
William J. Gradle
State Conservationist
Date