

**United States Department of Agriculture
Natural Resources Conservation Service**

**Classification and Correlation
Of the Soils of
Kendall County, Illinois**

A Subset of MLRA 108A and 110

May 2007

This Correlation was prepared by Jeffrey A. Deniger, MLRA Soil Scientist, Aurora, IL; Dale E. Calsyn, MLRA Team Leader, Aurora; Asghar A. Chowdhery, Soil Data Quality Specialist (SDQS) MLRA Region 11 team, Indianapolis, IN; and John C. Doll, Soil Scientist, Champaign, IL. It was prepared as part of the update of the soil survey of Kendall County, a subset of MLRA 108A and 110. A final correlation conference was held May 15, 2007. This correlation is based on decisions made at that conference. Decisions were based on field reviews, transect data, field notes, pedon descriptions, field soil maps, "Classification and Correlation of the Soils of Kendall County, Illinois" – May 1973, and the published soil survey report – March 1978.

Headnote for detailed soil survey legend:

This update of the Soil Survey of Kendall County, Illinois is an update of a subset of the Soil Survey of Major Land Resource Areas (MLRA) 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. Map unit symbols without a slope letter are for miscellaneous units.

**Soil Correlation Legend
Kendall County, Illinois**

Correlation Statement:

This legend represents the majority of the correlations that took place with this update. Where field symbols are correlated to multiple approved publication symbols the reasons are explained in the "Notes to Accompany the Classification and Correlation of Soils." With certain polygons, however, correlations were made outside this legend which were based on perfect joins with surrounding counties, field investigations, enhanced photo tones, USGS topographic maps, changes in land use, and/or refined soil-landscape relationships.

Field symbols	Field map unit name	Publication symbol	Approved map unit name
44A R69	Pella silty clay loam, 0 to 2 percent slopes, bedrock substratum Milford silty clay loam, bedrock substratum	44A	Pella silty clay loam, 0 to 2 percent slopes, bedrock substratum
59 59A 442	Lisbon silt loam Lisbon silt loam, 0 to 2 percent slopes Mundelein silt loam	59A	Lisbon silt loam, 0 to 2 percent slopes
60B2 60B2	La Rose silt loam, 2 to 4 percent slopes, eroded La Rose silt loam, 2 to 5 percent slopes, eroded	60B2	La Rose silt loam, 2 to 5 percent slopes, eroded
60C2 60C2 134C2 148C2 443C2	La Rose silt loam, 5 to 10 percent slopes, eroded La Rose silt loam, 4 to 7 percent slopes, eroded Camden silt loam, 4 to 7 percent slopes, eroded Proctor silt loam, 4 to 7 percent slopes, eroded Barrington silt loam, 4 to 7 percent slopes, eroded	60C2	La Rose silt loam, 5 to 10 percent slopes, eroded
60C3 60C3 60D3	La Rose clay loam, 5 to 10 percent slopes, severely eroded La Rose soils, 4 to 7 percent slopes, severely eroded La Rose soils, 7 to 12 percent slopes, severely eroded	60C3	La Rose clay loam, 5 to 10 percent slopes, severely eroded
67 67A	Harpster silty clay loam Harpster silty clay loam, 0 to 2 percent slopes	67A	Harpster silty clay loam, 0 to 2 percent slopes
69 69A	Milford silty clay loam Milford silty clay loam, 0 to 2 percent slopes	69A	Milford silty clay loam, 0 to 2 percent slopes
88C 88D	Sparta loamy fine sand, 3 to 10 percent slopes Sparta loamy sand, 6 to 12 percent slopes	88D	Sparta loamy sand, 6 to 12 percent slopes
91A	Swygert silty clay loam, 0 to 2 percent slopes	91A	Swygert silty clay loam, 0 to 2 percent slopes
91B	Swygert silty clay loam, 2 to 4 percent slopes	91B	Swygert silty clay loam, 2 to 4 percent slopes
91B 91B2	Swygert silty clay loam, 2 to 4 percent slopes Swygert silty clay loam, 2 to 4 percent slopes, eroded	91B2	Swygert silty clay loam, 2 to 4 percent slopes, eroded

Soil Correlation Legend (cont.)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
91C2	Swygert silty clay loam, 3 to 7 percent slopes, eroded	91C2	Swygert silty clay loam, 4 to 6 percent slopes, eroded
91C2	Swygert silty clay loam, 4 to 6 percent slopes, eroded		
101A	Brenton silt loam, 0 to 2 percent slopes, bedrock substratum	101A	Brenton silt loam, 0 to 2 percent slopes, bedrock substratum
R149	Brenton silt loam, bedrock substratum		
103	Houghton muck	103A	Houghton muck, 0 to 2 percent slopes
103A	Houghton muck, 0 to 2 percent slopes		
104	Virgil silt loam	104A	Virgil silt loam, 0 to 2 percent slopes
104A	Virgil silt 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
134C2	Camden silt loam, 4 to 7 percent slopes, eroded		
134D2	Camden silt loam, 7 to 12 percent slopes, eroded		
137A	Clare silt loam, 0 to 2 percent slopes, bedrock substratum	137A	Clare silt loam, 0 to 2 percent slopes, bedrock substratum
240A	Plattville silt loam, 0 to 2 percent slopes		
137B	Clare silt loam, 2 to 5 percent slopes, bedrock substratum	137B	Clare silt loam, 2 to 5 percent slopes, bedrock substratum
240B	Plattville silt loam, 2 to 4 percent slopes		
145A	Saybrook silt loam, 0 to 2 percent slopes	145A	Saybrook silt loam, 0 to 2 percent slopes
145B	Saybrook silt loam, 2 to 5 percent slopes	145B	Saybrook silt loam, 2 to 5 percent slopes
145B	Saybrook silt loam, 2 to 4 percent slopes		
145B2	Saybrook silt loam, 2 to 5 percent slopes, eroded	145B2	Saybrook silt loam, 2 to 5 percent slopes, eroded
145B2	Saybrook silt loam, 2 to 4 percent slopes, eroded		
145C2	Saybrook silt loam, 5 to 10 percent slopes, eroded	145C2	Saybrook silt loam, 5 to 10 percent slopes, eroded
145C2	Saybrook silt loam, 4 to 7 percent slopes, eroded		
146B	Elliott silt loam, 2 to 4 percent slopes	146B	Elliott silt loam, 2 to 4 percent slopes
189A	Martinton silt loam, 0 to 2 percent slopes		
148A	Proctor silt loam, 0 to 2 percent slopes	148A	Proctor silt loam, 0 to 2 percent slopes
148B	Proctor silt loam, 2 to 4 percent slopes	148B	Proctor silt loam, 2 to 5 percent slopes
148B	Proctor silt loam, 2 to 5 percent slopes		
148C2	Proctor silt loam, 5 to 10 percent slopes, eroded	148C2	Proctor silt loam, 5 to 10 percent slopes, eroded
148C2	Proctor silt loam, 4 to 7 percent slopes,		

Soil Correlation Legend (cont.)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
443C2	Barrington silt loam, 4 to 7 percent slopes, eroded		
149	Brenton silt loam	149A	Brenton silt loam, 0 to 2 percent slopes
149A	Brenton silt loam, 0 to 2 percent slopes		
442	Mundelein silt loam		
152	Drummer silty clay loam	152A	Drummer silty clay loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes		
104	Virgil silt loam	154A	Flanagan silt loam, 0 to 2 percent slopes
149	Brenton silt loam		
154A	Flanagan silt loam, 0 to 2 percent slopes		
198	Elburn silt loam		
105A	Batavia 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		
199A	Plano silt loam, 0 to 2 percent slopes		
105B	Batavia silt loam, 2 to 4 percent slopes	171B	Catlin silt loam, 2 to 5 percent slopes
171B	Catlin silt loam, 2 to 5 percent slopes		
199B	Plano silt loam, 2 to 4 percent slopes		
189A	Martinton silt loam, 0 to 2 percent slopes	189A	Martinton silt loam, 0 to 2 percent slopes
189B	Martinton silt loam, 2 to 4 percent slopes	189B	Martinton silt loam, 2 to 4 percent slopes
191	Knight silt loam	191A	Knight silt loam, 0 to 2 percent slopes
191A	Knight silt loam, 0 to 2 percent slopes		
192	Del Rey silt loam	192A	Del Rey silt loam, 0 to 2 percent slopes
192A	Del Rey silt loam, 0 to 2 percent slopes		
24A	Dodge silt loam, 0 to 2 percent slopes	193A	Mayville silt loam, 0 to 2 percent slopes
193A	Mayville silt loam, 0 to 2 percent slopes		
24B	Dodge silt loam, 2 to 4 percent slopes	193B	Mayville silt loam, 2 to 5 percent slopes
105B	Batavia silt loam, 2 to 4 percent slopes		
134B	Camden silt loam, 1 to 4 percent slopes		
193B	Mayville silt loam, 2 to 5 percent slopes		
243B	St. Charles silt loam, 2 to 4 percent slopes		
24C2	Dodge silt loam, 4 to 7 percent slopes, eroded	193C2	Mayville silt loam, 5 to 10 percent slopes, eroded
134C2	Camden silt loam, 4 to 7 percent slopes, eroded		
134D2	Camden silt loam, 7 to 12 percent slopes, eroded		
193C2	Mayville silt loam, 5 to 10 percent slopes, eroded		
198	Elburn silt loam	198A	Elburn silt loam, 0 to 2 percent slopes
198A	Elburn silt loam, 0 to 2 percent slopes		
199A	Plano silt loam, 0 to 2 percent slopes	199A	Plano silt loam, 0 to 2 percent slopes
199B	Plano silt loam, 2 to 4 percent slopes	199B	Plano silt loam, 2 to 5 percent slopes
199B	Plano silt loam, 2 to 5 percent slopes		

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Soil Correlation Legend (cont.)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
199C2 199C2	Plano silt loam, 4 to 7 percent slopes, eroded Plano silt loam, 5 to 10 percent slopes, eroded	199C2	Plano silt loam, 5 to 10 percent slopes, eroded
206 206A	Thorp silt loam Thorp silt loam, 0 to 2 percent slopes	206A	Thorp silt loam, 0 to 2 percent slopes
210 210A	Lena muck Lena muck, 0 to 2 percent slopes	210A	Lena muck, 0 to 2 percent slopes
219 219A	Millbrook silt loam Millbrook silt loam, 0 to 2 percent slopes	219A	Millbrook silt loam, 0 to 2 percent slopes
223B 223B	Varna silt loam, 2 to 4 percent slopes Varna silt loam, 1 to 4 percent slopes	223B	Varna silt loam, 2 to 4 percent slopes
60B2 223B2	La Rose silt loam, 2 to 4 percent slopes, eroded Varna silt loam, 2 to 4 percent slopes, eroded	223B2	Varna silt loam, 2 to 4 percent slopes, eroded
60C2 145C2 223C2 223C2	La Rose silt loam, 4 to 7 percent slopes, eroded Saybrook silt loam, 4 to 7 percent slopes, eroded Varna silt loam, 4 to 7 percent slopes, eroded Varna silt loam, 4 to 6 percent slopes, eroded	223C2	Varna silt loam, 4 to 6 percent slopes, eroded
60C3 223C3	La Rose soils, 4 to 7 percent slopes, severely eroded Varna silty clay loam, 4 to 6 percent slopes, severely eroded	223C3	Varna silty clay loam, 4 to 6 percent slopes, severely eroded
60D3 223D3 223D3	La Rose soils, 7 to 12 percent slopes, severely eroded Varna soils, 7 to 15 percent slopes, severely eroded Varna silty clay loam, 6 to 12 percent slopes, severely eroded	223D3	Varna silty clay loam, 6 to 12 percent slopes, severely eroded
134C2 224C 224C2 224C2 224D2	Camden silt loam, 4 to 7 percent slopes, eroded Strawn silt loam, 4 to 7 percent slopes Strawn silt loam, 4 to 7 percent slopes, eroded Strawn silt loam, 5 to 10 percent slopes, eroded Strawn silt loam, 7 to 15 percent slopes, eroded	224C2	Strawn silt loam, 5 to 10 percent slopes, eroded
224C3 224C3 224D3	Strawn soils, 4 to 7 percent slopes, severely eroded Strawn clay loam, 5 to 10 percent slopes, severely eroded Strawn soils, 7 to 12 percent slopes, severely eroded	224C3	Strawn clay loam, 5 to 10 percent slopes, severely eroded
224D2 224D2	Strawn silt loam, 7 to 15 percent slopes, eroded Strawn silt loam, 10 to 18 percent slopes, eroded	224D2	Strawn silt loam, 10 to 18 percent slopes, eroded

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Soil Correlation Legend (cont.)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
224D3	Strawn soils, 7 to 12 percent slopes, severely eroded	224D3	Strawn clay loam, 10 to 18 percent slopes, severely eroded
224D3	Strawn clay loam, 10 to 18 percent slopes, severely eroded		
224F	Strawn silt loam, 15 to 30 percent slopes	224F2	Strawn silt loam, 18 to 35 percent slopes, eroded
224F2	Strawn silt loam, 18 to 35 percent slopes, eroded		
228A	Nappanee silt loam, 0 to 2 percent slopes	228A	Nappanee silt loam, 0 to 2 percent slopes
228B	Nappanee silt loam, 2 to 4 percent slopes	228B	Nappanee silt loam, 2 to 4 percent slopes
69	Milford silty clay loam	232A	Ashkum silty clay loam, 0 to 2 percent slopes
152	Drummer silty clay loam		
232A	Ashkum silty clay loam, 0 to 2 percent slopes		
105A	Batavia silt loam, 0 to 2 percent slopes	233A	Birkbeck silt loam, 0 to 2 percent slopes
233A	Birkbeck silt loam, 0 to 2 percent slopes		
243A	St. Charles silt loam, 0 to 2 percent slopes		
104	Virgil silt loam	234A	Sunbury silt loam, 0 to 2 percent slopes
234A	Sunbury silt loam, 0 to 2 percent slopes		
242	Kendall silt loam		
235	Bryce silty clay	235A	Bryce silty clay, 0 to 2 percent slopes
235A	Bryce silty clay, 0 to 2 percent slopes		
242	Kendall silt loam	242A	Kendall silt loam, 0 to 2 percent slopes
242A	Kendall silt loam, 0 to 2 percent slopes		
243C2	St. Charles silt loam, 4 to 7 percent slopes, eroded	243C2	St. Charles silt loam, 5 to 10 percent slopes, eroded
243C2	St. Charles silt loam, 5 to 10 percent slopes, eroded		
189A	Martinton silt loam, 0 to 2 percent slopes	293A	Andres silt loam, 0 to 2 percent slopes
293A	Andres silt loam, 0 to 2 percent slopes		
223B	Varna silt loam, 1 to 4 percent slopes	294B	Symerton silt loam, 2 to 5 percent slopes
294B	Symerton silt loam, 2 to 5 percent slopes		
223C2	Varna silt loam, 4 to 7 percent slopes, eroded	294C2	Symerton silt loam, 5 to 10 percent slopes, eroded
294C2	Symerton silt loam, 5 to 10 percent slopes, eroded		
318C	Lorenzo loam, 4 to 7 percent slopes	318C2	Lorenzo loam, 4 to 6 percent slopes, eroded
318C2	Lorenzo loam, 4 to 6 percent slopes, eroded		
318D2	Lorenzo loam, 6 to 12 percent slopes, eroded	318D2	Lorenzo loam, 6 to 12 percent slopes, eroded
318D2	Lorenzo loam, 7 to 18 percent slopes, eroded		
324B	Ripon silt loam, 2 to 5 percent slopes	324B	Ripon silt loam, 2 to 5 percent slopes
324B	Ripon silt loam, 1 to 4 percent slopes		

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Soil Correlation Legend (cont.)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
324C2	Ripon silt loam, 5 to 10 percent slopes, eroded	324C2	Ripon silt loam, 5 to 10 percent slopes, eroded
324C2	Ripon silt loam, 4 to 7 percent slopes, eroded		
325A	Dresden silt loam, 0 to 2 percent slopes	325A	Dresden silt loam, 0 to 2 percent slopes
324B	Ripon silt loam, 1 to 4 percent slopes	325B	Dresden silt loam, 2 to 4 percent slopes
325B	Dresden silt loam, 2 to 4 percent slopes		
327B	Fox silt loam, 2 to 4 percent slopes	327B	Fox silt loam, 2 to 4 percent slopes
327B	Fox silt loam, 1 to 4 percent slopes		
327C2	Fox silt loam, 4 to 7 percent slopes, eroded	327C2	Fox silt loam, 4 to 6 percent slopes, eroded
327C2	Fox silt loam, 4 to 6 percent slopes, eroded		
235	Bryce silty clay	330A	Peotone silty clay loam, 0 to 2 percent slopes
330	Peotone silty clay loam		
330A	Peotone silty clay loam, 0 to 2 percent slopes		
152	Drummer silty clay loam	356A	Elpaso silty clay loam, 0 to 2 percent slopes
356A	Elpaso silty clay loam, 0 to 2 percent slopes		
369A	Waupecan 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	369B	Waupecan silt loam, 2 to 4 percent slopes
442	Mundelein silt loam	442A	Mundelein silt loam, 0 to 2 percent slopes
442A	Mundelein silt loam, 0 to 2 percent slopes		
443A	Barrington silt loam, 0 to 2 percent slopes	443A	Barrington silt loam, 0 to 2 percent slopes
443B	Barrington silt loam, 2 to 4 percent slopes	443B	Barrington silt loam, 2 to 4 percent slopes
145A	Saybrook silt loam, 0 to 2 percent slopes	512A	Danabrook silt loam, 0 to 2 percent slopes
512A	Danabrook silt loam, 0 to 2 percent slopes		
145B	Saybrook silt loam, 2 to 4 percent slopes	512B	Danabrook silt loam, 2 to 5 percent slopes
145B2	Saybrook silt loam, 2 to 4 percent slopes, eroded		
148B	Proctor silt loam, 2 to 4 percent slopes		
443B	Barrington silt loam, 2 to 4 percent slopes		
512B	Danabrook silt loam, 2 to 5 percent slopes		
148C2	Proctor silt loam, 4 to 7 percent slopes, eroded	512C2	Danabrook silt loam, 5 to 10 percent slopes, eroded
199C2	Plano silt loam, 4 to 7 percent slopes, eroded		
443C2	Barrington silt loam, 4 to 7 percent slopes, eroded		
512C2	Danabrook silt loam, 5 to 10 percent slopes, eroded		
145A	Saybrook silt loam, 0 to 2 percent slopes	541A	Graymont silt loam, 0 to 2 percent slopes
541A	Graymont silt loam, 0 to 2 percent slopes		

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Soil Correlation Legend (cont.)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
145B 541B	Saybrook silt loam, 2 to 4 percent slopes Graymont silt loam, 2 to 5 percent slopes	541B	Graymont silt loam, 2 to 5 percent slopes
145B2 541B2	Saybrook silt loam, 2 to 4 percent slopes, eroded Graymont silt loam, 2 to 5 percent slopes, eroded	541B2	Graymont silt loam, 2 to 5 percent slopes, eroded
145C2 541C2	Saybrook silt loam, 4 to 7 percent slopes, eroded Graymont silt loam, 5 to 10 percent slopes, eroded	541C2	Graymont silt loam, 5 to 10 percent slopes, eroded
59 189A 614A	Lisbon silt loam Martinton silt loam, 0 to 2 percent slopes Chenoa silty clay loam, 0 to 2 percent slopes	614A	Chenoa silty clay loam, 0 to 2 percent slopes
189B 614B	Martinton silt loam, 2 to 4 percent slopes Chenoa silty clay loam, 2 to 5 percent slopes	614B	Chenoa silty clay loam, 2 to 5 percent slopes
148A 663A	Proctor silt loam, 0 to 2 percent slopes Clare silt loam, 0 to 2 percent slopes	663A	Clare silt loam, 0 to 2 percent slopes
148B 663B	Proctor silt loam, 2 to 4 percent slopes Clare silt loam, 2 to 5 percent slopes	663B	Clare silt loam, 2 to 5 percent slopes
105A 667A	Batavia silt loam, 0 to 2 percent slopes Kaneville silt loam, 0 to 2 percent slopes	667A	Kaneville silt loam, 0 to 2 percent slopes
105B 667B	Batavia silt loam, 2 to 4 percent slopes Kaneville silt loam, 2 to 5 percent slopes	667B	Kaneville silt loam, 2 to 5 percent slopes
134B 668B	Camden silt loam, 1 to 4 percent slopes Somonauk silt loam, 2 to 5 percent slopes	668B	Somonauk silt loam, 2 to 5 percent slopes
199A 679A	Plano silt loam, 0 to 2 percent slopes Blackberry silt loam, 0 to 2 percent slopes	679A	Blackberry silt loam, 0 to 2 percent slopes
199B 679B	Plano silt loam, 2 to 4 percent slopes Blackberry silt loam, 2 to 5 percent slopes	679B	Blackberry silt loam, 2 to 5 percent slopes
243A 680A	St. Charles silt loam, 0 to 2 percent slopes Campton silt loam, 0 to 2 percent slopes	680A	Campton silt loam, 0 to 2 percent slopes
243B 680B	St. Charles silt loam, 2 to 4 percent slopes Campton silt loam, 2 to 5 percent slopes	680B	Campton silt loam, 2 to 5 percent slopes
791A	Rush silt loam, 0 to 2 percent slopes	791A	Rush silt loam, 0 to 2 percent slopes
791B	Rush silt loam, 2 to 4 percent slopes	791B	Rush silt loam, 2 to 4 percent slopes
802B CF	Orthents, loamy, undulating Cut and fill land	802B	Orthents, loamy, undulating

Soil Correlation Legend (cont.)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
25F 820E	Hennepin silt loam, 15 to 30 percent slopes Hennepin-Casco complex, 12 to 30 percent slopes	820E	Hennepin-Casco complex, 12 to 30 percent slopes
25G 318F 820G	Hennepin silt loam, 30 to 45 percent slopes Lorenzo loam, 18 to 40 percent slopes Hennepin-Casco complex, 30 to 60 percent slopes	820G	Hennepin-Casco complex, 30 to 60 percent slopes
864 QU	Pits, quarry Quarries	864	Pits, quarry
865 GP	Pits, gravel Gravel pits	865	Pits, gravel
318D2 318F 969E2	Lorenzo loam, 7 to 18 percent slopes, eroded Lorenzo loam, 18 to 40 percent slopes Casco-Rodman complex, 12 to 20 percent slopes, eroded	969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded
318F 969F	Lorenzo loam, 18 to 40 percent slopes Casco-Rodman complex, 20 to 30 percent slopes	969F	Casco-Rodman complex, 20 to 30 percent slopes
82 3082A	Millington silt loam Millington silt loam, 0 to 2 percent slopes, frequently flooded	3082A	Millington silt loam, 0 to 2 percent slopes, frequently flooded
107 3107A	Sawmill silty clay loam Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
82 8082A	Millington silt loam Millington silt loam, 0 to 2 percent slopes, occasionally flooded	8082A	Millington silt loam, 0 to 2 percent slopes, occasionally flooded
304 8304A	Landes fine sandy loam Landes fine sandy loam, 0 to 2 percent slopes, occasionally flooded	8304A	Landes fine sandy loam, 0 to 2 percent slopes, occasionally flooded
321 8321A	Du Page loam Du Page silt loam, 0 to 2 percent slopes, occasionally flooded	8321A	Du Page silt loam, 0 to 2 percent slopes, occasionally flooded
MW	Miscellaneous water	MW	Miscellaneous water
W	Water	W	Water

Series established by this correlation: None

Series or families added to previously correlated legend: Ashkum, Andres, Birkbeck, Blackberry, Campton, Casco, Catlin, Chenoa, Clare, Danabrook, Elliott, Elpaso, Flanagan, Graymont, Kaneville, Mayville, Pella, Rodman, Somonauk, Sunbury, and Symerton.

Series dropped from previously correlated legend: Batavia, Dodge, and Plattville.

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
Illinois Agricultural Experiment Station

The cooperators to be listed on the inside 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 Kendall County Soil and Water Conservation District. Financial assistance was made available by the Kendall County Board and the Illinois Department of agriculture."

Prior soil survey publications: The last soil survey of Kendall County was published by the United States Department of Agriculture, Soil Conservation Service in March 1978. It is Illinois Agricultural Experiment Station Report No. 95, "Soil Survey of Kendall County, Illinois". Reference to the prior soil survey will be included in the literature citation of the manuscript. This update replaces the March 1978 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: Kendall County joins six updated and SSURGO certified soil surveys. These are DeKalb, DuPage, Grundy, Kane, LaSalle, and Will Counties. DeKalb County to the northwest was updated and published in 2004. DuPage County to the northeast was updated and published in 1999. Grundy County to the south was updated with publication projected for 2008. Kane County to the north was updated and published in 2003. LaSalle County to the west was updated with publication projected for 2007. Will County to the east was updated and published in 2004.

An exact join will be completed with DuPage, Grundy, LaSalle, and Will Counties. An acceptable join will be completed with DeKalb and Kane Counties with the only difference being a few different Data Map Units in NASIS that do not match between counties.

Disposition of field sheets: The 1978 published soil survey of Kendall County at a scale of 1:15,840 was scanned and digitized. Adjustments were made and completed to the digital materials by the Aurora MLRA Team in May of 2007. This survey will be certified for SSURGO at the Michigan Digitizing Center. Publication scale is 1:12,000 according to SSURGO standards. The final SSURGO product will be available at the Soil Data Mart online, the NRCS state office in Champaign, Illinois, and will be provided to the Kendall County Board as part of the cost share cooperative agreement.

Instructions for map compilation, map finishing, and digitizing: The digital maps and supporting documentation will be delivered to the Michigan Digitizing Center. The Aurora MLRA Team will complete a final check before 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 that appear on the 7.5 minute topographic quadrangle will appear on the published maps.

**FEATURE AND SYMBOL LEGEND
 FOR SOIL SURVEY**

SOIL SURVEY FEATURES

SOIL DELINEATIONS AND LABELS	
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AD HOC FEATURES

DSS	20	
GSP	26	
CSP	29	
MUC	30	

ROAD EMBLEMS

Interstate	
Federal	
State	

**STANDARD LANDFORM AND
 MISCELLANEOUS SURFACE
 FEATURES**

Bedrock escarpment	
Non-bedrock escarpment	
Short steep slope	
Gravel pit	
Gravelly spot	
Marsh or swamp	
Mine or quarry	
Sandy spot	
Severely eroded spot	
Wet spot	

CULTURAL FEATURES

Boundaries

County or parish	
Field sheet matchline and neatline	
Public Land Survey System Section Corner Tics.	

**Definitions and Guidelines for Use of Conventional and Special Symbols
 For Kendall County, Illinois**

Description	Label	Definitions and Guidelines
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**Standard Landform and Miscellaneous Surface
 Features**

Bedrock escarpment	ESB	A relatively continuous and steep slope or cliff, which was produced by erosion or faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.
Escarpment, non-bedrock	ESO	A relatively continuous and steep slope or cliff, which generally is produced by erosion but can be produced by faulting, that breaks the continuity of more gently sloping land surfaces. Exposed earthy material is non-soil or very shallow soil.
Short, steep slope	SLP	Narrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.
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 1/4 to 2 acres.
Gravelly spot	GRA	A spot where the surface layer has more than 35 percent, by volume, of rock fragments that are mostly less than 3 inches in diameter in an area with less than 15 percent fragments. Typically 1/4 to 2 acres.
Marsh or swamp	MAR	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. Not used in undrained map units where the named components are poorly drained or very poorly drained. Typically 1/4 to 2 acres.

Description	Label	Definitions and Guidelines
Mine or quarry	MPI	An open excavation from which soil and underlying material are removed, and bedrock is exposed. Also denotes surface openings to underground mines. Typically 1/4 to 2 acres in size.
Sandy spot	SAN	A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer. Typically 1/4 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 because of accelerated erosion. Not used in map units that are named severely eroded, very severely eroded, or gullied. Typically 1/4 to 2 acres.
Wet spot	WET	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.

Ad Hoc Features

Calcareous spot	CSP	A spot where the surface layer contains carbonates in areas where the surface layer of the named soils in the surrounding map unit is noncalcareous. Effervescence can be detected by dilute hydrochloric acid. Typically 1/4 to 2 acres.
Disturbed soil spot	DSS	An area in which the soil has been removed and materials redeposited due to human activity. Typically 1/4 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 1/4 to 2 acres.
Gray spot	GSP	Subsurface layer is gray in color where the subsurface layer of the named soils in the surrounding map unit are dark colored. Typically 1/4 to 2 acres.

Boundaries

County or parish		County boundary is shown.
Field sheet match line and neat line		Are shown.
Public Land Survey System, Section Corner Tics		Section corners are shown.

Road Emblems

Interstate, Federal, and State		Use appropriate symbols for Interstate, Federal, and State roads. Other roads will not be labeled.
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Soil Map Unit Symbol Conversion Legend Kendall County, Illinois

Conversion Statement:

This legend represents the majority of the conversions that took place with this update. Where field symbols are converted to multiple approved publication symbols the reasons are explained in the "Notes to Accompany the Classification and Correlation of Soils". With certain polygons, however, conversions were made outside this legend which were based on perfect joins with surrounding counties, field investigations, enhanced photo tones, USGS topographic maps, changes in land use, and/or refined soil-landscape relationships.

Field Symbols	Publication symbol
24A	193A
24B	193B
24C2	193C2
25F	820E
25G	820G
44A	44A
59	59A
59	614A
59A	59A
60B2	60B2
60B2	223B2
60C2	60C2
60C2	223C2
60C3	60C3
60C3	223C3
60D3	60C3
60D3	223D3
67	67A
67A	67A
69	69A
69	232A
69A	69A
82	3082A
82	8082A
88C	88D
88D	88D
91A	91A
91B	91B
91B	91B2
91B2	91B2
91C2	91C2
101A	101A
103	103A
103A	103A
104	104A
104	154A
104	234A
104A	104A
105A	171A
105A	233A
105A	667A
105B	171B
105B	193B
105B	667B
107	3107A

Field Symbols	Publication symbol
134B	193B
134B	668B
134C2	60C2
134C2	134C2
134C2	193C2
134C2	224C2
134D2	134C2
134D2	193C2
137A	137A
137B	137B
145A	145A
145A	512A
145A	541A
145B	145B
145B	512B
145B	541B
145B2	145B2
145B2	512B
145B2	541B2
145C2	145C2
145C2	223C2
145C2	541C2
146B	146B
148A	148A
148A	663A
148B	148B
148B	512B
148B	663B
148C2	60C2
148C2	148C2
148C2	512C2
149	149A
149	154A
149A	149A
152	152A
152	232A
152	356A
152A	152A
154A	154A
171A	171A
171B	171B
189A	146B
189A	189A
189A	293A
189A	614A

Field Symbols	Publication symbol
189B	189B
189B	614B
191	191A
191A	191A
192	192A
192A	192A
193A	193A
193B	193B
193C2	193C2
198	154A
198	198A
198A	198A
199A	171A
199A	199A
199A	679A
199B	171B
199B	199B
199B	679B
199C2	199C2
199C2	512C2
206	206A
206A	206A
210	210A
210A	210A
219	219A
219A	219A
223B	223B
223B	294B
223B2	223B2
223C2	223C2
223C2	294C2
223C3	223C3
223D3	223D3
224C	224C2
224C2	224C2
224C3	224C3
224D2	224C2
224D2	224D2
224D3	224C3
224D3	224D3
224F	224F2
224F2	224F2
228A	228A
228B	228B
232A	232A

Field Symbols	Publication symbol
233A	233A
234A	234A
235	235A
235	330A
235A	235A
240A	137A
240B	137B
242	234A
242	242A
242A	242A
243A	233A
243A	680A
243B	193B
243B	680B
243C2	243C2
293A	293A
294B	294B
294C2	294C2
304	8304A
318C	318C2
318C2	318C2
318D2	318D2
318D2	969E2
318F	820G
318F	969E2
318F	969F
321	8321A
324B	324B
324B	325B
324C2	324C2
325A	325A
325B	325B
327B	327B
327C2	327C2
330	330A
330A	330A
356A	356A
369A	369A
369B	369B
442	59A
442	149A
442	442A
442A	442A
443A	443A
443B	443B

Field Symbols	Publication symbol
443B	512B
443C2	60C2
443C2	148C2
443C2	512C2
512A	512A
512B	512B
512C2	512C2
541A	541A
541B	541B
541B2	541B2
541C2	541C2
614A	614A
614B	614B
663A	663A
663B	663B
667A	667A
667B	667B
668B	668B
679A	679A
679B	679B
680A	680A
680B	680B
791A	791A
791B	791B
802B	802B
820E	820E
820G	820G
864	864
865	865
969E2	969E2
969F	969F
3082A	3082A
3107A	3107A
8082A	8082A
8304A	8304A
8321A	8321A
CF	802B
GP	865
MW	MW
QU	864
R69	44A
R149	101A
W	W

Alphabetical Soil Identification Legend Kendall County, Illinois

Map symbol	Soil name
293A	Andres silt loam, 0 to 2 percent slopes
232A	Ashkum silty clay loam, 0 to 2 percent slopes
443A	Barrington silt loam, 0 to 2 percent slopes
443B	Barrington silt loam, 2 to 4 percent slopes
233A	Birkbeck silt loam, 0 to 2 percent slopes
679A	Blackberry silt loam, 0 to 2 percent slopes
679B	Blackberry silt loam, 2 to 5 percent slopes
149A	Brenton silt loam, 0 to 2 percent slopes
101A	Brenton silt loam, 0 to 2 percent slopes, bedrock substratum
235A	Bryce silty clay, 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
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
614B	Chenoa silty clay loam, 2 to 5 percent slopes
663A	Clare silt loam, 0 to 2 percent slopes
663B	Clare silt loam, 2 to 5 percent slopes
137A	Clare silt loam, 0 to 2 percent slopes, bedrock substratum
137B	Clare silt loam, 2 to 5 percent slopes, bedrock substratum
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
192A	Del Rey silt loam, 0 to 2 percent slopes
325A	Dresden silt loam, 0 to 2 percent slopes
325B	Dresden silt loam, 2 to 4 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes
8321A	Du Page silt loam, 0 to 2 percent slopes, occasionally flooded
198A	Elburn 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
327B	Fox silt loam, 2 to 4 percent slopes
327C2	Fox silt loam, 4 to 6 percent slopes, eroded
541A	Graymont silt loam, 0 to 2 percent slopes
541B	Graymont silt loam, 2 to 5 percent slopes
541B2	Graymont silt loam, 2 to 5 percent slopes, eroded
541C2	Graymont silt loam, 5 to 10 percent slopes, eroded

Alphabetical Soil Identification Legend (cont.)

Map symbol	Soil name
67A	Harpster silty clay loam, 0 to 2 percent slopes
820E	Hennepin-Casco complex, 12 to 30 percent slopes
820G	Hennepin-Casco complex, 30 to 60 percent slopes
103A	Houghton muck, 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
191A	Knight silt loam, 0 to 2 percent slopes
60B2	La Rose silt loam, 2 to 5 percent slopes, eroded
60C2	La Rose silt loam, 5 to 10 percent slopes, eroded
60C3	La Rose clay loam, 5 to 10 percent slopes, severely eroded
8304A	Landes fine sandy loam, 0 to 2 percent slopes, occasionally flooded
210A	Lena muck, 0 to 2 percent slopes
59A	Lisbon silt loam, 0 to 2 percent slopes
318C2	Lorenzo loam, 4 to 6 percent slopes, eroded
318D2	Lorenzo loam, 6 to 12 percent slopes, eroded
189A	Martinton silt loam, 0 to 2 percent slopes
189B	Martinton silt loam, 2 to 4 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
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
MW	Miscellaneous water
442A	Mundelein silt loam, 0 to 2 percent slopes
228A	Nappanee silt loam, 0 to 2 percent slopes
228B	Nappanee silt loam, 2 to 4 percent slopes
802B	Orthents, loamy, undulating
44A	Pella silty clay loam, 0 to 2 percent slopes, bedrock substratum
330A	Peotone silty clay loam, 0 to 2 percent slopes
865	Pits, gravel
864	Pits, quarry
199A	Plano silt loam, 0 to 2 percent slopes
199B	Plano silt loam, 2 to 5 percent slopes
199C2	Plano silt loam, 5 to 10 percent slopes, eroded
148A	Proctor silt loam, 0 to 2 percent slopes
148B	Proctor silt loam, 2 to 5 percent slopes
148C2	Proctor silt loam, 5 to 10 percent slopes, eroded
324B	Ripon silt loam, 2 to 5 percent slopes
324C2	Ripon silt loam, 5 to 10 percent slopes, eroded

Alphabetical Soil Identification Legend (cont.)

Map symbol	Soil name
791A	Rush silt loam, 0 to 2 percent slopes
791B	Rush silt loam, 2 to 4 percent slopes
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
145A	Saybrook silt loam, 0 to 2 percent slopes
145B	Saybrook silt loam, 2 to 5 percent slopes
145B2	Saybrook silt loam, 2 to 5 percent slopes, eroded
145C2	Saybrook silt loam, 5 to 10 percent slopes, eroded
668B	Somonauk silt loam, 2 to 5 percent slopes
88D	Sparta loamy sand, 6 to 12 percent slopes
243C2	St. Charles silt loam, 5 to 10 percent slopes, eroded
224C2	Strawn silt loam, 5 to 10 percent slopes, eroded
224C3	Strawn clay loam, 5 to 10 percent slopes, severely eroded
224D2	Strawn silt loam, 10 to 18 percent slopes, eroded
224D3	Strawn clay loam, 10 to 18 percent slopes, severely eroded
224F2	Strawn silt loam, 18 to 35 percent slopes, eroded
234A	Sunbury silt loam, 0 to 2 percent slopes
91A	Swygert silty clay loam, 0 to 2 percent slopes
91B	Swygert silty clay loam, 2 to 4 percent slopes
91B2	Swygert silty clay loam, 2 to 4 percent slopes, eroded
91C2	Swygert silty clay loam, 4 to 6 percent slopes, eroded
294B	Symerton silt loam, 2 to 5 percent slopes
294C2	Symerton silt loam, 5 to 10 percent slopes, eroded
206A	Thorp silt loam, 0 to 2 percent slopes
223B	Varna silt loam, 2 to 4 percent slopes
223B2	Varna silt loam, 2 to 4 percent slopes, eroded
223C2	Varna silt loam, 4 to 6 percent slopes, eroded
223C3	Varna silty clay loam, 4 to 6 percent slopes, severely eroded
223D3	Varna silty clay loam, 6 to 12 percent slopes, severely eroded
104A	Virgil silt loam, 0 to 2 percent slopes
W	Water
369A	Waupecan silt loam, 0 to 2 percent slopes
369B	Waupecan silt loam, 2 to 4 percent slopes

**Numerical Soil Identification Legend with Representation Status, Pedon ID, and DMU ID
Kendall County, Illinois**

Map symbol	Soil Name	Rep	Pedon ID	DMU ID
44A	Pella silty clay loam, 0 to 2 percent slopes, bedrock substratum	TUD	06IL-093-006	524,679
59A	Lisbon silt loam, 0 to 2 percent slopes	OSD-TUD	94IL-007-003	527,080
60B2	La Rose silt loam, 2 to 5 percent slopes, eroded	MU	IL103	527,079
60C2	La Rose silt loam, 5 to 10 percent slopes, eroded	OSD-TUD	78IL-103-041	527,083
60C3	La Rose clay loam, 5 to 10 percent slopes, severely eroded	MU	06IL-093-001	525,116
67A	Harpster silty clay loam, 0 to 2 percent slopes	OSD-TUD	67IL-053-001	142,575
69A	Milford silty clay loam, 0 to 2 percent slopes	OSD-TUD	59IL-075-001	142,576
88D	Sparta loamy sand, 6 to 12 percent slopes	MU	83IL-195-107	142,710
91A	Swygert silty clay loam, 0 to 2 percent slopes	OSD-TUD	77IL-075-005	142,577
91B	Swygert silty clay loam, 2 to 4 percent slopes	MU	77IL-075-085	472,339
91B2	Swygert silty clay loam, 2 to 4 percent slopes, eroded	MU	87IL-105-071	423,569
91C2	Swygert silty clay loam, 4 to 6 percent slopes, eroded	MU	84IL-183-008	152,728
101A	Brenton silt loam, 0 to 2 percent slopes, bedrock substratum	MU	06IL-093-005	524,799
103A	Houghton muck, 0 to 2 percent slopes	TUD	94IL-111-047	155,063
104A	Virgil silt loam, 0 to 2 percent slopes	OSD-TUD	OSD-IL177	153,066
134C2	Camden silt loam, 5 to 10 percent slopes, eroded	MU	85IL-011-005	131,428
137A	Clare silt loam, 0 to 2 percent slopes, bedrock substratum	MU	06IL-093-010	524,839
137B	Clare silt loam, 2 to 5 percent slopes, bedrock substratum	MU	07IL-093-002	524,840
145A	Saybrook silt loam, 0 to 2 percent slopes	MU	07IL-093-003	527,997
145B	Saybrook silt loam, 2 to 5 percent slopes	OSD-TUD	95IL-011-005	527,088
145B2	Saybrook silt loam, 2 to 5 percent slopes, eroded	MU	83IL-011-007	527,089
145C2	Saybrook silt loam, 5 to 10 percent slopes, eroded	MU	83IL-011-008	527,090
146B	Elliott silt loam, 2 to 4 percent slopes	MU	SSR, IL091	142,584
148A	Proctor silt loam, 0 to 2 percent slopes	MU	95IL-037-001	153,067
148B	Proctor silt loam, 2 to 5 percent slopes	OSD-TUD	85IL-143-006	155,581
148C2	Proctor silt loam, 5 to 10 percent slopes, eroded	MU	97IL-073-103	155,449
149A	Brenton silt loam, 0 to 2 percent slopes	TUD	87IL-105-096	399,329
152A	Drummer silty clay loam, 0 to 2 percent slopes	OSD-TUD	77IL-019-034	408,103
154A	Flanagan silt loam, 0 to 2 percent slopes	OSD-TUD	76IL-019-022	528,330
171A	Catlin silt loam, 0 to 2 percent slopes	OSD-TUD	72IL-141-015	143,796
171B	Catlin silt loam, 2 to 5 percent slopes	MU	78IL-019-008	151,644
189A	Martinton silt loam, 0 to 2 percent slopes	TUD	88IL-105-083	142,588
189B	Martinton silt loam, 2 to 4 percent slopes	MU	88IL-105-072	446,799
191A	Knight silt loam, 0 to 2 percent slopes	OSD-TUD	OSD-Logan	498,061
192A	Del Rey silt loam, 0 to 2 percent slopes	OSD-TUD	65IL-075-001	142,590
193A	Mayville silt loam, 0 to 2 percent slopes	MU	96IL-037-029	527,092
193B	Mayville silt loam, 2 to 5 percent slopes	OSD-TUD	OSD-Washington-WI	527,093
193C2	Mayville silt loam, 5 to 10 percent slopes, eroded	MU	SSR, IL113	527,094
198A	Elburn silt loam, 0 to 2 percent slopes	OSD-TUD	85IL-021-002	399,244
199A	Plano silt loam, 0 to 2 percent slopes	OSD-TUD	87IL-175-002	151,285
199B	Plano silt loam, 2 to 5 percent slopes	MU	86IL-011-011	156,397
199C2	Plano silt loam, 5 to 10 percent slopes, eroded	MU	86IL-011-010	151,288
206A	Thorp silt loam, 0 to 2 percent slopes	OSD-TUD	96IL-099-008	408,480
210A	Lena muck, 0 to 2 percent slopes	OSD-TUD	OSD-Kendall	525,292
219A	Millbrook silt loam, 0 to 2 percent slopes	TUD	01IL-197-017	399,871
223B	Varna silt loam, 2 to 4 percent slopes	OSD-TUD	97IL-091-003	142,592

Map symbol	Soil Name	Rep	Pedon ID	DMU ID
223B2	Varna silt loam, 2 to 4 percent slopes, eroded	MU	88IL-105-021	472,344
223C2	Varna silt loam, 4 to 6 percent slopes, eroded	MU	84IL-183-064	142,593
223C3	Varna silty clay loam, 4 to 6 percent slopes, severely eroded	MU	03IL-091-018	455,354
223D3	Varna silty clay loam, 6 to 12 percent slopes, severely eroded	MU	IL091	151,943
224C2	Strawn silt loam, 5 to 10 percent slopes, eroded	MU	IL015	527,098
224C3	Strawn clay loam, 5 to 10 percent slopes, severely eroded	MU	06IL-093-012	527,077
224D2	Strawn silt loam, 10 to 18 percent slopes, eroded	MU	IL015	527,099
224D3	Strawn clay loam, 10 to 18 percent slopes, severely eroded	MU	IL015	527,100
224F2	Strawn silt loam, 18 to 35 percent slopes, eroded	MU	IL015	527,101
228A	Nappanee silt loam, 0 to 2 percent slopes	MU	01IL-097-003	447,188
228B	Nappanee silt loam, 2 to 4 percent slopes	TUD	01IL-097-005	399,515
232A	Ashkum silty clay loam, 0 to 2 percent slopes	OSD-TUD	96IL-197-023	142,594
233A	Birkbeck silt loam, 0 to 2 percent slopes	MU	T97IL-037-056	143,771
234A	Sunbury silt loam, 0 to 2 percent slopes	OSD-TUD	98IL-041-003	153,453
235A	Bryce silty clay, 0 to 2 percent slopes	OSD-TUD	77IL-075-006	153,467
242A	Kendall silt loam, 0 to 2 percent slopes	OSD-TUD	OSD-Douglas	153,455
243C2	St. Charles silt loam, 5 to 10 percent slopes, eroded	MU	85IL-011-032	151,300
293A	Andres silt loam, 0 to 2 percent slopes	OSD-TUD	89IL-105-012	155,309
294B	Symerton silt loam, 2 to 5 percent slopes	OSD-TUD	79IL-075-040	155,310
294C2	Symerton silt loam, 5 to 10 percent slopes, eroded	MU	89IL-105-020	399,901
318C2	Lorenzo loam, 4 to 6 percent slopes, eroded	MU	97IL-043-008	142,599
318D2	Lorenzo loam, 6 to 12 percent slopes, eroded	MU	T97IL-197-071	142,600
324B	Ripon silt loam, 2 to 5 percent slopes	TUD	04IL-141-101	527,993
324C2	Ripon silt loam, 5 to 10 percent slopes, eroded	MU	04IL-141-066	527,994
325A	Dresden silt loam, 0 to 2 percent slopes	MU	T94IL-111-133	155,433
325B	Dresden silt loam, 2 to 4 percent slopes	OSD-TUD	00IL-197-016	401,375
327B	Fox silt loam, 2 to 4 percent slopes	TUD	01IL-197-010	142,603
327C2	Fox silt loam, 4 to 6 percent slopes, eroded	MU	00IL-197-012	142,604
330A	Peotone silty clay loam, 0 to 2 percent slopes	OSD-TUD	83IL-053-021	142,605
356A	Elpaso silty clay loam, 0 to 2 percent slopes	OSD-TUD	91IL-203-085	143,780
369A	Waupecan silt loam, 0 to 2 percent slopes	MU	95IL-089-002	155,445
369B	Waupecan silt loam, 2 to 4 percent slopes	MU	97IL-043-015	142,607
442A	Mundelein silt loam, 0 to 2 percent slopes	OSD-TUD	97IL-097-005	142,608
443A	Barrington silt loam, 0 to 2 percent slopes	MU	SSR, IL093	446,824
443B	Barrington silt loam, 2 to 4 percent slopes	OSD-TUD	86IL-105-051	142,609
512A	Danabrook silt loam, 0 to 2 percent slopes	MU	089 pedon	153,089
512B	Danabrook silt loam, 2 to 5 percent slopes	OSD-TUD	95IL-037-004	153,073
512C2	Danabrook silt loam, 5 to 10 percent slopes, eroded	MU	T96IL-037-152	143,800
541A	Graymont silt loam, 0 to 2 percent slopes	MU	T96IL-197-122	399,583
541B	Graymont silt loam, 2 to 5 percent slopes	OSD-TUD	90IL-105-001	142,625
541B2	Graymont silt loam, 2 to 5 percent slopes, eroded	MU	84IL-011-064	151,336
541C2	Graymont silt loam, 5 to 10 percent slopes, eroded	MU	98IL-197-054	401,393
614A	Chenoa silty clay loam, 0 to 2 percent slopes	OSD-TUD	87IL-105-121	142,627
614B	Chenoa silty clay loam, 2 to 5 percent slopes	MU	88IL-105-044	399,575
663A	Clare silt loam, 0 to 2 percent slopes	OSD-TUD	97IL-037-008	143,071
663B	Clare silt loam, 2 to 5 percent slopes	MU	T95IL-037-027	151,932
667A	Kaneville silt loam, 0 to 2 percent slopes	OSD-TUD	97IL-089-011	143,073
667B	Kaneville silt loam, 2 to 5 percent slopes	MU	97IL-037-011	143,074
668B	Somonauk silt loam, 2 to 5 percent slopes	MU	T97IL-037-019	143,077

Map symbol	Soil Name	Rep	Pedon ID	DMU ID
679A	Blackberry silt loam, 0 to 2 percent slopes	OSD-TUD	98IL-089-003	153,968
679B	Blackberry silt loam, 2 to 5 percent slopes	MU	77IL-019-015	151,949
680A	Campton silt loam, 0 to 2 percent slopes	MU	B98IL-089-005	155,320
680B	Campton silt loam, 2 to 5 percent slopes	OSD-TUD	98IL-089-001	155,321
791A	Rush silt loam, 0 to 2 percent slopes	TUD	94IL-089-002	153,077
791B	Rush silt loam, 2 to 4 percent slopes	MU	T94IL-111-003	143,790
802B	Orthents, loamy, undulating	-	IL-Statewide	142,634
820E	Hennepin -Casco complex, 12 to 30 percent slopes	MU	84IL-011-085	151,369
820E	Hennepin- Casco complex, 12 to 30 percent slopes	MU	84IL-011-084	151,369
820G	Hennepin -Casco complex, 30 to 60 percent slopes	TUD	83IL-011-041	151,370
820G	Hennepin- Casco complex, 30 to 60 percent slopes	TUD	83IL-011-042	151,370
864	Pits, quarry	MU	IL-Statewide	142,640
865	Pits, gravel	MU	IL-Statewide	142,641
969E2	Casco -Rodman complex, 12 to 20 percent slopes, eroded	MU	T94IL-111-009	155,393
969E2	Casco- Rodman complex, 12 to 20 percent slopes, eroded	MU	T94IL-111-239	155,393
969F	Casco -Rodman complex, 20 to 30 percent slopes	MU	94IL-111-029	155,394
969F	Casco- Rodman complex, 20 to 30 percent slopes	TUD	94IL-111-028	155,394
3082A	Millington silt loam, 0 to 2 percent slopes, frequently flooded	MU	74IL-201-019	153,418
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	TUD	86IL-105-052	142,598
8082A	Millington silt loam, 0 to 2 percent slopes, occasionally flooded	OSD-TUD	99IL-089-001	153,692
8304A	Landes fine sandy loam, 0 to 2 percent slopes, occasionally flooded	MU	83IL-183-053	507,364
8321A	Du Page silt loam, 0 to 2 percent slopes, occasionally flooded	OSD-TUD	97IL-197-018	399,593
MW	Miscellaneous water	-	IL-Statewide	155,361
W	Water	-	IL-Statewide	155,171

**Classification of Pedons Sampled for Laboratory Analysis
Kendall County, Illinois
A Subset of MLRA 108A and 110**

A. Soil Survey Investigations Unit Lincoln, Nebraska:

Sampled As:	Pedon Number:	Lab. Sample Number	Approved Series Name:
Bryce	S71ILL-47-3(1)	71LI204	Bryce
Milford	S71ILL-47-1(1)	71LI205	Milford
Peotone	S71ILL-47-4(3)	71LI206-71LI208	Peotone
Swygert	S71ILL-47-2(1)	71LI209	Swygert (Lakebed sediments)

B. Laboratory Data from the National Soil Survey Laboratory in Lincoln, Nebraska:

Sampled As:	Pedon Number:	Approved Series Name:
Strawn	S02IL-093-001	Fine, smectitic, superactive, mesic Oxyaquic Hapludalfs. Mapped as an inclusion in Strawn.
Saybrook	S02IL-093-002	Saybrook

C. Laboratory Data from the University of Illinois Pedology Laboratory in Champaign, Illinois:

Sampled As:	Pedon Number:	Approved Series Name:
Plattville	70IL-093-001	Clare bedrock substratum
Wea	70IL-093-002	Wea. Mapped as an inclusion in Waupecan.
Wea	71IL-093-001	Waupecan
Wea	71IL-093-002	Wea. Mapped as an inclusion in Waupecan.

D. Engineering Test Data from the Illinois Department of Transportation, Springfield, Illinois:

Sampled As:	Pedon Number:	Approved Series Name:
Dodge	70-ILL-047-1-(1-3)	Dodge. Mapped as inclusion in Mayville? Location incorrect.
Drummer	70-ILL-047-3-(1-3)	Drummer
Milford	70-ILL-047-2-(1-3)	Milford. Location incorrect.
Peotone	70-ILL-047-5-(1-3)	Peotone. Location incorrect.
Plano	70-ILL-047-4-(1-3)	Plano. Mapped as an inclusion in Blackberry.
Waupecan	70-ILL-047-6-(1-3)	Waupecan

**Notes to Accompany the Classification and Correlation of Soils
Kendall County, Illinois**

Slope class letter "A" is added to map unit symbols that were published without the slope class letter and the slope range is added to the name. Map symbol prefix 3 is for frequently flooded map units and 8 is for occasionally flooded map units. Flooding frequency is added to the map unit names. Map unit slope classes in the published report are adjusted to MLRA standard slope classes as follows:

Kendall Report No. 95 <u>slope classes:</u> A -- 0-2 B -- 1-4, 2-4 C -- 4-7 D -- 7-12, 7-15 F -- 15-30, 18-40	MLRA 108A <u>slope classes:</u> A -- 0-2 B -- 2-5 C -- 5-10 D -- 10-18 F -- 18-35 G -- 30-50	MLRA 110 <u>slope classes:</u> A -- 0-2 B -- 2-4 C -- 4-6 D -- 6-12 E -- 12-20, 12-30 F -- 20-30 G -- 30-60
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*** An asterisk next to the soil number indicates a taxadjunct to the series.**

Map Unit Symbol	Map Unit Name	Map Unit Text Notes
44A	Pella silty clay loam, 0 to 2 percent slopes, bedrock substratum	Approved 2/07. Previously correlated as Milford, R69. Transect and boring data concluded fine-silty, outwash and carbonates before 40 inches, and bedrock below 40 inches. The 2BCg horizon is not stratified as required in the OSD.
59A	Lisbon silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated. A few areas are correlated to 614A for joins with Grundy and LaSalle Counties. All areas of 59 in SICL till on the Minooka Moraine adjacent to Will County are correlated to 614A. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SIL and SICL textures in the 2Bt and 2C horizons which are outside the RIC for the series.
*60B2	La Rose silt loam, 2 to 5 percent slopes, eroded	Approved 2/07. Previously correlated. All areas of 60B2 in SICL till on the Minooka Moraine adjacent to Will County are correlated to 223B2. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SICL textures in the C horizon which are outside the RIC for the series. Taxadjunct to the series because of redoximorphic features above 40 inches. Classifies as Fine-loamy, mixed, active, mesic Oxyaquic Argiudolls.
*60C2	La Rose silt loam, 5 to 10 percent slopes, eroded	Approved 2/07. Previously correlated. One map unit was correlated to 223C2 to join with LaSalle County. All areas of 60C2 in SICL till on the Minooka Moraine adjacent to Will County are correlated to 223C2. A few map units of 443C2 are correlated to 60C2 in till areas north of the Fox River and west of Little Rock Creek. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SICL textures in the C horizon which are outside the RIC for the series. Taxadjunct to the series due to redoximorphic features above 40 inches. Classifies as Fine-loamy, mixed, active, mesic Oxyaquic Argiudolls.
*60C3	La Rose clay loam, 5 to 10 percent slopes, severely eroded	Approved 2/07. Previously correlated. The surface texture was added to the map unit name. All areas of 60C3 in SICL till on the Minooka Moraine adjacent to Will County are correlated to 223C3. Correlated 60D3 (7-12%) to 60C3 (5-10%) due to slope changes in all areas of the county except on the Minooka Moraine adjacent to Will County which was correlated to 223D3 (6-12%) due to SICL till. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. Some areas have more clay in the upper end of the argillic horizon than what is allowed for the series. This soil commonly has SICL textures in the C horizon which are outside the RIC for the series. Taxadjunct to the series due to redoximorphic features above 40 inches and a thin dark surface layer. Classifies as Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs.
67A	Harpster silty clay loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated.
69A	Milford silty clay loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated. A few map units are correlated to

Map Unit Symbol	Map Unit Name	Map Unit Text Notes
		232A to join with Will County.
88D	Sparta loamy sand, 6 to 12 percent slopes	Approved 2/07. Previously correlated as Sparta, 88C. Changed the surface texture to LS from LFS and changed the slope range from 3-10% to 6-12% to match and join with LaSalle County. The Sparta TUD pedon's total Bw horizon thickness is 14 inches and should be between 35 and 70 inches.
91A	Swygart silty clay loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated.
91B	Swygart silty clay loam, 2 to 4 percent slopes	Approved 2/07. Previously correlated. Two map units are correlated to 91B2 to join with Will County.
*91B2	Swygart silty clay loam, 2 to 4 percent slopes, eroded	Approved 2/07. Added to the legend to join with Will County. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine, mixed, active, mesic Aquollic Hapludalfs.
*91C2	Swygart silty clay loam, 4 to 6 percent slopes, eroded	Approved 2/07. Previously correlated. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine, mixed, active, mesic Aquollic Hapludalfs.
101A	Brenton silt loam, 0 to 2 percent slopes, bedrock substratum	Approved 2/07. Previously correlated as Brenton, R149. Changed the soil number due to the bedrock phase and added the slope range to the map unit name.
103A	Houghton muck, 0 to 2 percent slopes	Approved 2/07. Previously correlated.
104A	Virgil silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated. A few map units of this soil are correlated to 234A and 154A in till areas north of the Fox River and west of Little Rock Creek.
134C2	Camden silt loam, 5 to 10 percent slopes, eroded	Approved 2/07. Previously correlated. Correlated 134D2 (7-12%) to 134C2 (5-10%) due to slope changes in most areas of the county. Correlated a few map units of this soil to 224C2, 60C2 and 193C2 in till areas north of the Fox River and west of Little Rock Creek.
137A	Clare silt loam, 0 to 2 percent slopes, bedrock substratum	Approved 2/07. Previously correlated as Plattville, 240A. Field investigations determined that the map unit was fine-silty, had outwash at 20-40 inches, and was oxyaquic.
137B	Clare silt loam, 2 to 5 percent slopes, bedrock substratum	Approved 2/07. Previously correlated as Plattville, 240B. Field investigations determined that the map unit was fine-silty, had outwash at 20-40 inches, and was Oxyaquic.
145A	Saybrook silt loam, 0 to 2 percent slopes	Approved 5/07. Previously correlated. Numerous map units of this soil north of the Fox River are correlated to 512A to match DeKalb and Kane Counties. All areas of 145A in SICL till on the Minooka Moraine adjacent to Will County are correlated to 541A. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SIL and SICL textures in the C horizon which are outside the RIC for the series.
145B	Saybrook silt loam, 2 to 5 percent slopes	Approved 2/07. Previously correlated. Numerous map units of this soil north of the Fox River are correlated to 512B to join Kane County. Other areas of 145B that join LaSalle and Grundy Counties and on the Minooka Moraine adjacent to Will County are correlated to 541B. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SIL and SICL textures in the C horizon which are outside the RIC for the series.
*145B2	Saybrook silt loam, 2 to 5 percent slopes, eroded	Approved 2/07. Previously correlated. One map unit of this soil north of the Fox River was correlated to 512B to match Kane County. All areas of 145B2 in SICL till on the Minooka Moraine adjacent to Will County are correlated to 541B2. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SIL and SICL textures in the C horizon which are outside the RIC for the series. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine-silty, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs.
*145C2	Saybrook silt loam, 5 to 10 percent slopes, eroded	Approved 2/07. Previously correlated. Numerous map units of this soil are correlated to 223C2 to join with Will County. Other 145C2 map units in SICL till on the Minooka Moraine adjacent to Will County are correlated to 541C2. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SIL and SICL textures in the C horizon which are outside the RIC for the series. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine-silty, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs.

Map Unit Symbol	Map Unit Name	Map Unit Text Notes
146B	Elliott silt loam, 2 to 4 percent slopes	Approved 2/07. Added to the legend to join with Will County.
148A	Proctor silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated. Numerous map units of this soil are north of the Fox River and are correlated to 663A to match drainage class with Kane County.
148B	Proctor silt loam, 2 to 5 percent slopes	Approved 2/07. Previously correlated. Numerous map units of this soil are north of the Fox River and are correlated to 663B to match drainage class with Kane County. A few map units of this soil are correlated to 512B in till areas north of the Fox River and west of Little Rock Creek.
*148C2	Proctor silt loam, 5 to 10 percent slopes, eroded	Approved 2/07. Previously correlated. Most map units of 443C2 in the county are correlated to 148C2 due to drainage. Numerous map units of 148C2 and a few units of 443C2 in till areas are correlated to 512C2, and a few units of 148C2 in till areas are correlated to 60C2 north of the Fox River and west of Little Rock Creek. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine-silty, mixed, superactive, mesic Mollic Hapludalfs.
149A	Brenton silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated. A few map units are correlated to 154A to join with Kane County.
152A	Drummer silty clay loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated. Correlated all 152 in till areas to 356A and needed to join with all the surrounding counties. A few map units are correlated to 232A to join with Will County.
154A	Flanagan silt loam, 0 to 2 percent slopes	Approved 2/07. Added to the legend to join with DeKalb, Kane, and LaSalle Counties. Also added for areas of 198 that are in till areas north of the Fox River and west of little Rock Creek in the very NW part of the County and for a few map units south of the Fox River in till areas.
171A	Catlin silt loam, 0 to 2 percent slopes	Approved 2/07. Added to the legend to join with DeKalb County. Also added for areas of 199A that are in till areas north and west of the Fox River mainly near LaSalle County. A few map units of 105A in till areas north of the Fox River and west of Little Rock Creek are correlated to 171A.
171B	Catlin silt loam, 2 to 5 percent slopes	Approved 2/07. Added to the legend to join with DeKalb County. Also added for areas of 199B that are in till areas north and west of the Fox River mainly near LaSalle County. A few map units of 105B in till areas north of the Fox River and west of Little Rock Creek are correlated to 171B.
189A	Martinton silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated. A few map units are correlated to 146B, 293A, or 614A to join with Will County.
189B	Martinton silt loam, 2 to 4 percent slopes	Approved 2/07. Previously correlated. Numerous map units are correlated to 614B to join with Will County.
191A	Knight silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated.
192A	Del Rey silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated.
193A	Mayville silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated as Dodge, 24A. Determined through field work that this series is Oxyaquic. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SIL and SICL textures in the 2B and 2C horizons which are outside the RIC for the series.
193B	Mayville silt loam, 2 to 5 percent slopes	Approved 2/07. Previously correlated as Dodge, 24B. Determined through field work that this series is Oxyaquic. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SIL and SICL textures in the 2B and 2C horizons which are outside the RIC for the series. A few map units of 105B, 134B and one map unit of 243B in till areas north of the Fox River and west of Little Rock Creek are correlated to 193B.
193C2	Mayville silt loam, 5 to 10 percent slopes, eroded	Approved 2/07. Previously correlated as Dodge, 24C2. Determined through field work that this series is Oxyaquic. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SIL and SICL textures in the 2B and 2C horizons which are outside the RIC for the series. A few map units of 134D2 in till areas north of the Fox River and west of Little Rock Creek are correlated to 193C2.
198A	Elburn silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated. Many map units are correlated to 154A in till areas north of the Fox River and west of Little Rock Creek and for joins with LaSalle, Kane, and DeKalb Counties. A few map units are also correlated to 154A in till areas south of the Fox River.
199A	Plano silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated. These map units will only be

Map Unit Symbol	Map Unit Name	Map Unit Text Notes
		found north of the Fox River adjacent to LaSalle and DeKalb Counties and used to join with LaSalle County. Other 199A map units are correlated to 171A to join with DeKalb County and in till areas north of the Fox River and west of Little Rock Creek. The remainder of the 199A map units in the county are found to be Oxyaquic and are correlated to 679A.
199B	Plano silt loam, 2 to 5 percent slopes	Approved 2/07. Previously correlated. These map units will only be found north of the Fox River adjacent to LaSalle and DeKalb Counties and used to join with LaSalle County. Other 199B map units are correlated to 171B to join with DeKalb County and in till areas north of the Fox River and west of Little Rock Creek. The remainder of the 199B map units in the county are found to be Oxyaquic and are correlated to 679B.
*199C2	Plano silt loam, 5 to 10 percent slopes, eroded	Approved 2/07. Previously correlated. A few map units of this soil are correlated to 512C2 in till areas north of the Fox River and west of Little Rock Creek. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine-silty, mixed, superactive, mesic Mollic Hapludalfs.
206A	Thorp silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated.
210A	Lena muck, 0 to 2 percent slopes	Approved 2/07. Previously correlated.
219A	Millbrook silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated.
223B	Varna silt loam, 2 to 4 percent slopes	Approved 2/07. Previously correlated. Numerous map units of this soil are correlated to 294B to join with Will County.
*223B2	Varna silt loam, 2 to 4 percent slopes, eroded	Approved 5/07. Added to the legend to replace 60B2 map units in SICL till adjacent to Will County on the Minooka Moraine. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine, illitic, mesic Mollic Oxyaquic Hapludalfs.
*223C2	Varna silt loam, 4 to 6 percent slopes, eroded	Approved 2/07. Previously correlated. A few map units of this soil are correlated to 294C2 to join with Will County. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine, illitic, mesic Mollic Oxyaquic Hapludalfs.
*223C3	Varna silty clay loam, 4 to 6 percent slopes, severely eroded	Approved 2/07. Added to the legend to replace 60C3 map units in SICL till adjacent to Will County on the Minooka Moraine. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine, illitic, mesic Oxyaquic Hapludalfs.
*223D3	Varna silty clay loam, 6 to 12 percent slopes, severely eroded	Approved 2/07. Previously correlated. Added the surface layer texture to the map unit name. Solum is thinner than is typical for the series. All 60D3 map units in SICL till adjacent to Will County on the Minooka Moraine are correlated to 223D3. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine, illitic, mesic Oxyaquic Hapludalfs.
*224C2	Strawn silt loam, 5 to 10 percent slopes, eroded	Approved 2/07. Previously correlated. Correlated 224C to 224C2 due to erosion in all areas of the county. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SIL textures in the B horizon and SICL textures in the C horizon which are outside the RIC for the series. Taxadjunct to the series due to redoximorphic features above 40 inches. Classifies as Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs.
*224C3	Strawn clay loam, 5 to 10 percent slopes, severely eroded	Approved 2/07. Previously correlated. Added the surface texture to the map unit name. Some map units are calcareous throughout and have pHs of 7.8 or higher in the solum. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SIL textures in the B horizon and SICL textures in the C horizon which are outside the RIC for the series. Taxadjunct to the series due to redoximorphic features above 40 inches. Classifies as Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs.
*224D2	Strawn silt loam, 10 to 18 percent slopes, eroded	Approved 2/07. Previously correlated. Correlated some map units of 224D2 (7-15%) to 224C2 (5-10%) due to slope changes. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SIL textures in the B horizon and SICL textures in the C horizon which are outside the RIC for the series. Taxadjunct to the series due to redoximorphic features above 40 inches. Classifies as Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs.
*224D3	Strawn clay loam, 10 to 18 percent slopes, severely eroded	Approved 2/07. Previously correlated. Added the surface texture to the map unit name. Correlated some units of 224D3 (7-12%) to 224C3 (5-

Map Unit Symbol	Map Unit Name	Map Unit Text Notes
		10%) due to slope changes. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SIL textures in the B horizon and SICL textures in the C horizon which are outside the RIC for the series. Taxadjunct to the series due to redoximorphic features above 40 inches. Classifies as Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs.
*224F2	Strawn silt loam, 18 to 35 percent slopes, eroded	Approved 2/07. Previously correlated as Strawn, 224F. Added "eroded" to the map unit name. Permeability (Ksat) ranges are adjusted for this soil in the county to account for the loam till being more slowly permeable than is typical. This soil commonly has SIL textures in the B horizon and SICL textures in the C horizon which are outside the RIC for the series. Taxadjunct to the series due to redoximorphic features above 40 inches. Classifies as Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs.
228A	Nappanee silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated. These soils have a higher pH in the Bt and Btk horizons than is defined for the series.
228B	Nappanee silt loam, 2 to 4 percent slopes	Approved 2/07. Previously correlated. These soils have a higher pH in the Bt and Btk horizons than is defined for the series.
232A	Ashkum silty clay loam, 0 to 2 percent slopes	Approved 2/07. Added to the legend to join with Will County.
233A	Birkbeck silt loam, 0 to 2 percent slopes	Approved 2/07. Added to the legend to join with Kane County. A few map units of 105A and 243A in till areas north of the Fox River and west of Little Rock Creek are correlated to 233A.
234A	Sunbury silt loam, 0 to 2 percent slopes	Approved 5/07. Added to the legend to replace a few map units of 104 and 242 in till areas north of the Fox River and west of Little Rock Creek.
235A	Bryce silty clay, 0 to 2 percent slopes	Approved 2/07. Previously correlated. Three map units will correlate to 330A outside Glacial Lake Wauponsee.
242A	Kendall silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated. A few map units of this soil are correlated to 234A in till areas north of the Fox River and west of Little Rock Creek.
243C2	St. Charles silt loam, 5 to 10 percent slopes, eroded	Approved 2/07. Previously correlated.
293A	Andres silt loam, 0 to 2 percent slopes	Approved 2/07. Added to the legend to join with Will County.
294B	Symerton silt loam, 2 to 5 percent slopes	Approved 2/07. Added to the legend to join with Will County.
*294C2	Symerton silt loam, 5 to 10 percent slopes, eroded	Approved 2/07. Added to the legend to join with Will County. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine-loamy, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs.
318C2	Lorenzo loam, 4 to 6 percent slopes, eroded	Approved 2/07. Previously correlated as Lorenzo, 318C. Correlated 318C to 318C2 due to erosion. Added "eroded" to the map unit name.
318D2	Lorenzo loam, 6 to 12 percent slopes, eroded	Approved 2/07. Previously correlated. Some map units with slopes above 12% are correlated to 969E2.
324B	Ripon silt loam, 2 to 5 percent slopes	Approved 2/07. Previously correlated. A couple of map units will correlate to 325B in areas of gravelly outwash.
*324C2	Ripon silt loam, 5 to 10 percent slopes, eroded	Approved 2/07. Previously correlated. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine-silty, mixed, superactive, mesic Mollic Hapludalfs.
325A	Dresden silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated.
325B	Dresden silt loam, 2 to 4 percent slopes	Approved 2/07. Previously correlated.
327B	Fox silt loam, 2 to 4 percent slopes	Approved 2/07. Previously correlated. The Ap horizon is 4 inches thick and should be 5-10 inches.
327C2	Fox silt loam, 4 to 6 percent slopes, eroded	Approved 2/07. Previously correlated.
330A	Peotone silty clay loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated.
356A	Elpaso silty clay loam, 0 to 2 percent slopes	Approved 2/07. Added to the legend to replace areas of Drummer, 152 in till areas and for joins with all surrounding Counties.
369A	Waupecan silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated.
369B	Waupecan silt loam, 2 to 4 percent slopes	Approved 2/07. Previously correlated.
442A	Mundelein silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated. Numerous map units of this soil are north of the Fox River and are correlated to 149A to match similar soils with Kane County. One map unit of this soil was correlated to 59A in a till area north of the Fox River and west of Little Rock Creek and one other map unit southwest of the Fox River.
443A	Barrington silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated.
443B	Barrington silt loam, 2 to 4 percent slopes	Approved 2/07. Previously correlated. One map unit of this soil was correlated to 512B in a till area north of the Fox River and west of Little Rock Creek and a couple other map units south of the Fox River.
512A	Danabrook silt loam, 0 to 2 percent slopes	Approved 2/07. Added to the legend to replace areas of 145A that are

Map Unit Symbol	Map Unit Name	Map Unit Text Notes
		north of the Fox River.
512B	Danabrook silt loam, 2 to 5 percent slopes	Approved 2/07. Added to the legend to replace areas of 145B that are north of the Fox River and for joins with DeKalb and Kane Counties.
*512C2	Danabrook silt loam, 5 to 10 percent slopes, eroded	Approved 2/07. Added to the legend to replace areas of 148C2, 199C2 and 443C2 that are north of the Fox River and west of Little Rock Creek adjacent to DeKalb and Kane Counties. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine-silty, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs.
541A	Graymont silt loam, 0 to 2 percent slopes	Approved 2/07. Added to the legend to replace 145A map units in SICL till adjacent to Will County on the Minooka Moraine.
541B	Graymont silt loam, 2 to 5 percent slopes	Approved 2/07. Added to the legend to replace 145B map units in SICL till adjacent to Will County on the Minooka Moraine and for joins with Grundy, Kane, LaSalle, and Will Counties.
*541B2	Graymont silt loam, 2 to 5 percent slopes, eroded	Approved 2/07. Added to the legend to replace 145B2 map units in SICL till adjacent to Will County on the Minooka Moraine. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine-silty, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs.
*541C2	Graymont silt loam, 5 to 10 percent slopes, eroded	Approved 2/07. Added to the legend to replace 145C2 map units in SICL till adjacent to Will County on the Minooka Moraine and for joins with Grundy and LaSalle Counties. Taxadjunct to the series for a thin dark surface layer. Classifies as Fine-silty, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs.
614A	Chenoa silty clay loam, 0 to 2 percent slopes	Approved 2/07. Added to the legend to replace the Lisbon, 59 map units in SICL till adjacent to Will County on the Minooka Moraine and for joins with Will, Grundy and LaSalle Counties.
614B	Chenoa silty clay loam, 2 to 5 percent slopes	Approved 2/07. Added to the legend to join with Will County.
663A	Clare silt loam, 0 to 2 percent slopes	Approved 2/07. Added to the legend to replace areas of 148A north of the Fox River to match drainage class with Kane and DeKalb Counties.
663B	Clare silt loam, 2 to 5 percent slopes	Approved 2/07. Added to the legend to replace most areas of 148B north of the Fox River to match drainage class with Kane and DeKalb Counties.
667A	Kaneville silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated as Batavia, 105A. Added to the legend to replace most areas of 105A north of the Fox River to match drainage class with Kane and DeKalb Counties.
667B	Kaneville silt loam, 2 to 5 percent slopes	Approved 2/07. Previously correlated as Batavia, 105B. Added to the legend to replace most areas of 105B due to differences in drainage class.
668B	Somonauk silt loam, 2 to 5 percent slopes	Approved 2/07. Previously correlated as Camden, 134B. Added to the legend to replace most areas of 134B due to differences in drainage class.
679A	Blackberry silt loam, 0 to 2 percent slopes	Approved 2/07. Added to the legend to replace most areas of 199A due to differences in drainage class.
679B	Blackberry silt loam, 2 to 5 percent slopes	Approved 2/07. Added to the legend to replace most areas of 199B due to differences in drainage class.
680A	Campton silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated as St. Charles, 243A. Added to the legend to replace most areas of 243A north of the Fox River to match drainage class with Kane and DeKalb Counties.
680B	Campton silt loam, 2 to 5 percent slopes	Approved 2/07. Previously correlated as St. Charles, 243B. Added to the legend to replace most areas of 243B due to differences in drainage class.
791A	Rush silt loam, 0 to 2 percent slopes	Approved 2/07. Previously correlated. The Ap horizon is only 4 inches thick and should be 6-10 inches.
791B	Rush silt loam, 2 to 4 percent slopes	Approved 2/07. Previously correlated.
802B	Orthents, loamy, undulating	Approved 2/07. Added to the legend to join Grundy County and for all Cut and Fill (CF) areas in Kendall County.
820G	Hennepin-Casco complex, 30 to 60 percent slopes	Approved 2/07. Previously correlated as Hennepin, 25G. Added to the legend to replace 25G (30-45%) map units and for 318F map units over 30% slope.
864	Pits, quarry	Approved 2/07. Added to the legend to replace Quarries, QU.
865	Pits, gravel	Approved 2/07. Added to the legend to replace Gravel Pits, GP.
969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded	Approved 2/07. Added to the legend to join with LaSalle County and replace 318F (18-40%) map units.
969F	Casco-Rodman complex, 20 to 30 percent slopes	Approved 2/07. Added to the legend to replace 318F (18-40%) map units and to join with Kane County.
3082A	Millington silt loam, 0 to 2 percent slopes, frequently	Approved 2/07. Previously correlated. Added the slope letter, the slope

Map Unit Symbol	Map Unit Name	Map Unit Text Notes
	flooded	range, and the flooding frequency number and name to the map unit name. Also needed for joins with Kane and LaSalle Counties.
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	Approved 2/07. Previously correlated. Added the slope letter, the slope range, and the flooding frequency number and name to the map unit name.
8082A	Millington silt loam, 0 to 2 percent slopes, occasionally flooded	Approved 2/07. Previously correlated. Added the slope letter, the slope range, and the flooding frequency number and name to the map unit name. Also needed to join with Kane County.
8304A	Landes fine sandy loam, 0 to 2 percent slopes, occasionally flooded	Approved 2/07. Previously correlated. Added the slope letter, the slope range, and the flooding frequency number and name to the map unit name.
8321A	Du Page silt loam, 0 to 2 percent slopes, occasionally flooded	Approved 2/07. Previously correlated. Changed the surface texture to SIL from loam, added the slope letter, the slope range, and the flooding frequency number and name to the map unit name.
MW	Miscellaneous water	Approved 2/07. Added to the legend for one known sewage lagoon near the City of Newark.
W	Water	Approved 2/07. Previously correlated.

Classification of the Soils Kendall County, Illinois

(An asterisk in the first column indicates a taxadjunct to the series. See "Notes to Accompany the Classification and Correlation of the Soils" for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
Andres	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Ashkum	Fine, mixed, superactive, mesic Typic Endoaquolls
Barrington	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Birkbeck	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Blackberry	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Brenton	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Bryce	Fine, mixed, superactive, mesic Vertic Endoaquolls
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	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
*Danabrook	Fine-silty, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs
Del Rey	Fine, illitic, mesic Aeris Epiaqualls
Dresden	Fine-loamy over sandy or sandy-skeletal, mixed, active, mesic Mollic Hapludalfs
Drummer	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Du Page	Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls
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
*Graymont	Fine-silty, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs
Harpster	Fine-silty, mixed, superactive, mesic Typic Calcicquolls
Hennepin	Fine-loamy, mixed, active, mesic Typic Eutrudepts
Houghton	Euic, mesic Typic Haplosaprists
Kaneville	Fine-silty, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs
Kendall	Fine-silty, mixed, superactive, mesic Aeris Endoaqualls
Knight	Fine-silty, mixed, superactive, mesic Argicquic Argialbolls
*La Rose	Fine-loamy, mixed, active, mesic Oxyaquic Argiudolls
*La Rose	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
Landes	Coarse-loamy, mixed, superactive, mesic Fluventic Hapludolls
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
Martinton	Fine, illitic, mesic Aquic Argiudolls
Mayville	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Milford	Fine, mixed, superactive, mesic Typic Endoaquolls
Millbrook	Fine-silty, mixed, superactive, mesic Udollic Endoaqualls
Millington	Fine-loamy, mixed, superactive, calcareous, mesic Cumulic Endoaquolls
Mundelein	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Nappanee	Fine, illitic, mesic Aeris Epiaqualls
Orthents, loamy	Fine-loamy, mixed, active, nonacid, mesic Oxyaquic Udorthents
Pella	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Peotone	Fine, smectitic, mesic Cumulic Vertic Endoaquolls
Plano	Fine-silty, mixed, superactive, mesic Typic Argiudolls
*Plano	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs
Proctor	Fine-silty, mixed, superactive, mesic Typic Argiudolls
*Proctor	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs
Ripon	Fine-silty, mixed, superactive, mesic Typic Argiudolls
*Ripon	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs

Classification of the Soils (cont.)

Soil name	Family or higher taxonomic class
Rodman	Sandy-skeletal, mixed, mesic Typic Hapludolls
Rush	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Sawmill	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
Saybrook	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
*Saybrook	Fine-silty, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs
Somonauk	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Sparta	Sandy, mixed, mesic Entic Hapludolls
St. Charles	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
*Strawn	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
Sunbury	Fine, smectitic, mesic Aquollic Hapludalfs
Swygert	Fine, mixed, active, mesic Aquic Argiudolls
*Swygert	Fine, mixed, active, mesic Aquollic Hapludalfs
Symerton	Fine-loamy, mixed, superactive, mesic Oxyaquic Argiudolls
*Symerton	Fine-loamy, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs
Thorp	Fine-silty, mixed, superactive, mesic Argiaquic Argialbolls
Varna	Fine, illitic, mesic Oxyaquic Argiudolls
*Varna	Fine, illitic, mesic Mollic Oxyaquic Hapludalfs
*Varna	Fine, illitic, mesic Oxyaquic Hapludalfs
Virgil	Fine-silty, mixed, superactive, mesic Udollic Endoaqualfs
Waupecan	Fine-silty, mixed, superactive, mesic Typic Argiudolls

Certification Statement

The MLRA Region 11 Team Leader certifies that:

- a. The fieldwork activities were completed in April, 2007.
- b. Kendall County joins the following subsets:
 - DeKalb County, a subset of MLRAs 95B, 108A, and 108B, is to the northwest (update published 2004).
 - DuPage County, a subset of MLRA 110, is to the northeast (update published 1999).
 - Grundy County, a subset of MLRAs 108A and 110, is to the south (update projected publication 2008).
 - Kane County, a subset of MLRAs 95B, 108A, and 110, is to the north (update published 2003).
 - LaSalle County, a subset of MLRAs 108A, and 110, is to the west (update projected publication 2007).
 - Will County, a subset of MLRAs 108A, and 110, is to the east (update published 2004).

An exact join will be completed with DuPage, Grundy, LaSalle, and Will Counties. An acceptable join will be completed with DeKalb and Kane Counties with the only difference being a few different Data Map Units in NASIS that do not match between counties.

- 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 MLRAs 108A and 110. Not all typical pedons are located in Kendall County but are within other subsets of those MLRAs.
- e. All typical pedons are classified according to Keys to Soil Taxonomy, 10th edition, 2006.
- f. The digital soil maps, when complete, will be reviewed for accuracy and consistency.

Approval Signature and Date:

/s/

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Date

/s/

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