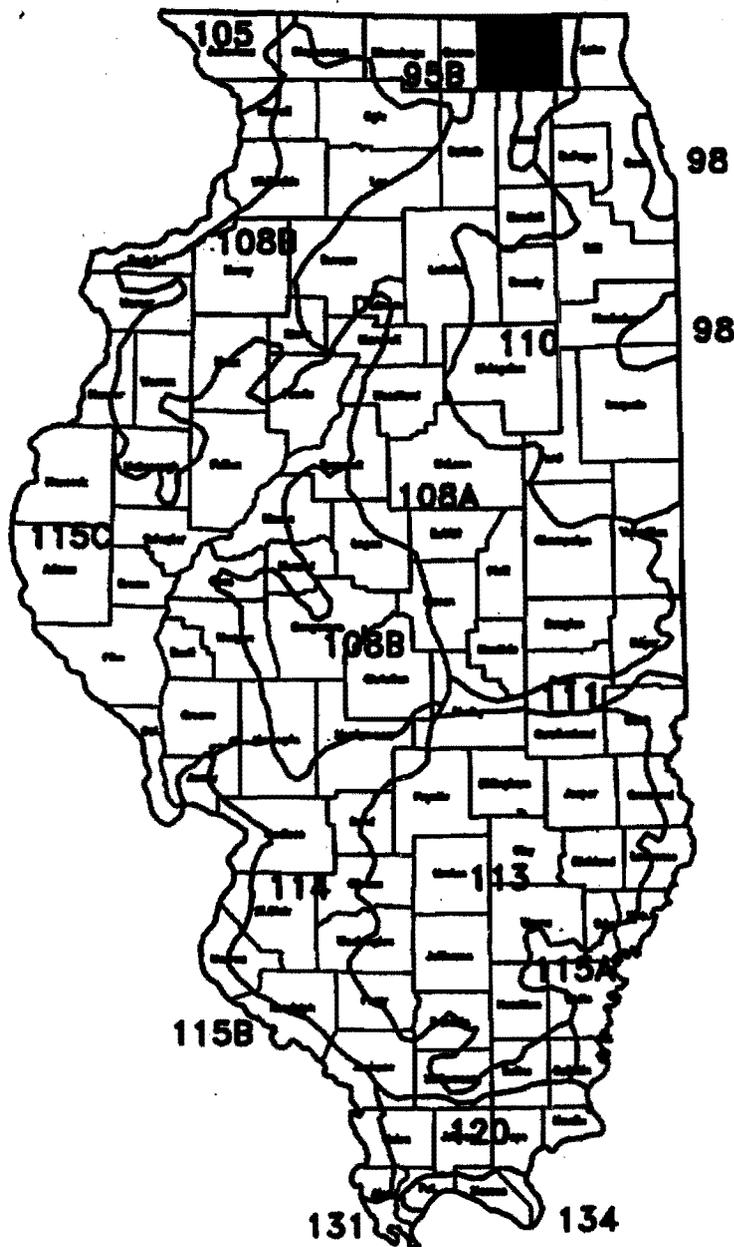


United States
Department of
Agriculture

Natural Resources
Conservation Service

East Central Glaciated
Regional MLRA
Soil Survey Office
Indianapolis, IN

Classification and Correlation of Soils in McHenry County, Illinois



February, 1997

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UNITED STATES DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

CLASSIFICATION AND CORRELATION OF THE SOILS OF MCHENRY COUNTY, ILLINOIS *A SUBSET OF MLRA 95B*

JANUARY 1997

This correlation was prepared by Asghar Chowdhery, Soil Data Quality Specialist, MLRA Region 11 staff, Indianapolis, IN., and Dale Calsyn MLRA Project Leader, Naperville, IL in January 1997. It was prepared as part of the update of the Soil Survey of McHenry County, Illinois. This update is a subset of the update of MLRA 95B. A final field review was held in April 1995. John Doll, then Assistant State Soil Scientist, on the state office staff, Dale Calsyn, MLRA project Leader, Carl Glocker (retired), Quality Assurance Staff, at National Soil Survey Center, Lincoln, and Project staff participated in the final field review. This correlation is based on the decisions arrived at the final field review, updated SOI6 tables, field notes, pedon data, soil maps, soil survey manuscript, laboratory data, interpretations, transect data and its analysis, correlation samples, and the published soil survey report.

This Update Soil Survey of McHenry County, Illinois is an update of a subset of the Soil Survey of Major Land Resource Area (MLRA) 95B. Map units and their symbols are consistent between subsets that are being updated.

HEADNOTE FOR DETAILED SOIL SURVEY LEGEND

Map symbols consist of numbers, or a combination of numbers and letters. The initial numbers represent the kind of soil. A capital letter following these numbers indicates the class of slope. A final number of 2 following the slope letter indicates that the soil is moderately eroded, and 3 indicates that it is severely eroded. Absence of any number following the slope letter indicates that the soil is slightly eroded or non-eroded.

**SOIL CORRELATION OF
MCHENRY COUNTY, ILLINOIS
JANUARY 1997**

Field symbols	Field map unit name	Publication symbol	Approved map unit name
59, 59A+	Lisbon silt loam	59A	Lisbon silt loam, 0 to 2 percent slopes
59B, 59B+	Lisbon silt loam, 2 to 4 percent slopes	59B	Lisbon silt loam, 2 to 4 percent slopes
60C2, 60C3, 60D2, 60D3	La Rose loam, 4 to 7 percent slopes, eroded	60C2	La Rose loam, 5 to 10 percent slopes, eroded
62, 62B	Herbert silt loam	62A	Herbert silt loam, 0 to 2 percent slopes
67, 67A, 67B	Harpster silty clay loam	67A	Harpster silty clay loam, 0 to 2 percent slopes
87A, 265A, 150A	Sumner sandy loam, 0 to 2 percent slopes	87A	Dickinson sandy loam, 0 to 2 percent slopes
87B, 150B, 265B	Sumner sandy loam, 2 to 4 percent slopes	87B	Dickinson sandy loam, 2 to 5 percent slopes
87C2, 87C, 150C, 150C2, 265C	Sumner sandy loam, 4 to 7 percent slopes, eroded	87B2	Dickinson sandy loam, 2 to 5 percent slopes, eroded
100, 97CA, 103CA, 103CB, 103gA, 103LA, 103LB, 103SA, 103SB, 358SA	Palms muck	100A	Palms muck, 0 to 2 percent slopes
103, 97A, 97A+, 97B, 103A, 103A+, 103B, 292A, 358A	Houghton muck	103A	Houghton muck, 0 to 2 percent slopes

MCHENRY COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
104, 104A+, 104B	Virgil silt loam	104A	Virgil silt loam, 0 to 2 percent slopes
134A	Camden silt loam, 0 to 2 percent slopes	134A	Camden silt loam, 0 to 2 percent slopes
134B	Camden silt loam, 2 to 4 percent slopes	134B	Camden silt loam, 2 to 5 percent slopes
146A	Elliott silt loam, 0 to 2 percent slopes	146A	Elliott silt loam, 0 to 2 percent slopes
146B, 146B2, 146B+	Elliott silt loam, 2 to 4 percent slopes	146B	Elliott silt loam, 2 to 4 percent slopes
148A, 148A+	Proctor silt loam, 0 to 2 percent slopes	148A	Proctor silt loam, 0 to 2 percent slopes
148B, 148C, 148B2, 148B+	Proctor silt loam, 2 to 4 percent slopes	148B	Proctor silt loam, 2 to 5 percent slopes
149, 149A+, 149B, 149B+	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
153	Pella silty clay loam	153A	Pella silty clay loam, 0 to 2 percent slopes
153+, 296A, 152A+, 152B+, 364A	Pella silt loam, overwash	153A+	Pella silt loam, 0 to 2 percent slopes, overwash
156, 156A, 172	Ridgeville sandy loam, 0 to 2 percent slopes	172A	Hoopeston sandy loam, 0 to 2 percent slopes

MCHENRY COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
189	Martinton silt loam	189A	Martinton silt loam, 0 to 2 percent slopes
197, 197A+, 197B	Troxel silt loam	197A	Troxel silt loam, 0 to 2 percent slopes
198, 198A+, 198B	Elburn silt loam	198A	Elburn silt loam, 0 to 2 percent slopes
206, 191, 191A, 191A+, 206A, 206B	Thorp silt loam	206A	Thorp silt loam, 0 to 2 percent slopes
210, 210A, 210B, 210CA, 210LA	Lena muck	210A	Lena muck, 0 to 2 percent slopes
219, 219A+, 219B, 219B+	Millbrook silt loam	219A	Millbrook silt loam, 0 to 2 percent slopes
221B, 145B, 145B2, 204B, 362A	Parr silt loam, 2 to 4 percent slopes	221B	Parr silt loam, 2 to 5 percent slopes
221C2, 145C, 145C2	Parr silt loam, 4 to 7 percent slopes, eroded	221C2	Parr silt loam, 5 to 10 percent slopes, eroded
223B	Varna silt loam, 2 to 4 percent slopes	223B	Varna silt loam, 2 to 4 percent slopes
223C2, 146C2, 146C, 223C, 223C3	Varna silt loam, 4 to 7 percent slopes, eroded	223C2	Varna silt loam, 4 to 6 percent slopes, eroded

MCHEMRY COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
223D2, 146D2, 223D, 223D3	Varna silt loam, 7 to 12 percent slopes, eroded	223D2	Varna silt loam, 6 to 12 percent slopes, eroded
228B, 228B2, 228B+, 228C2	Eylar silt loam, 2 to 4 percent slopes	228B	Nappanee silt loam, 2 to 4 percent slopes
232, 232A, 232B, 232A+	Ashkum silty clay loam	232A	Ashkum silty clay loam, 0 to 2 percent slopes
290A	Warsaw loam, 0 to 2 percent slopes	290A	Warsaw loam, 0 to 2 percent slopes
290B, 290B2, 290-318B	Warsaw loam, 2 to 4 percent slopes	290B	Warsaw loam, 2 to 4 percent slopes
290C2, 290C, 148C2, 290-318C2	Warsaw loam, 4 to 7 percent slopes, eroded	290C2	Warsaw loam, 4 to 6 percent slopes, eroded
297A, 297A+, 299A	Ringwood silt loam, 0 to 2 percent slopes	297A	Ringwood silt loam, 0 to 2 percent slopes
297B, 297B2, 297B+	Ringwood silt loam, 2 to 4 percent slopes	297B	Ringwood silt loam, 2 to 4 percent slopes
298B, 298A, 298B2	Beecher silt loam, 2 to 4 percent slopes	298B	Beecher silt loam, 2 to 4 percent slopes
310B, 299B, 310A, 310B2	McHenry silt loam, 2 to 4 percent slopes	310B	McHenry silt loam, 2 to 4 percent slopes
318A, 318A2	Lorenzo loam, 0 to 2 percent slopes	318A	Lorenzo loam, 0 to 2 percent slopes
318B, 318B2, 318B+, 362B	Lorenzo loam, 2 to 4 percent slopes	318B	Lorenzo loam, 2 to 4 percent slopes

MCHENRY COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
318C2, 318C, 318C3, 93C2, 93-318C2, 318-93C2, 318-290C2	Lorenzo loam, 4 to 7 percent slopes, eroded	318C2	Lorenzo loam, 4 to 6 percent slopes, eroded
318D2, 93D2, 93-318D2, 290D2, 318D3, 318-93D2, 318-93D3, 318-290D2	Lorenzo loam, 7 to 12 percent slopes, eroded	318D2	Lorenzo loam, 6 to 12 percent slopes, eroded
323B, 323A, 323B2, 323-327B	Casco loam, 2 to 4 percent slopes	323B	Casco loam, 2 to 4 percent slopes
323C2, 323C, 323-93C2, 323-93KC2, 323-327C2, 323-327KC	Casco loam, 4 to 7 percent slopes, eroded	323C2	Casco loam, 4 to 6 percent slopes, eroded
323C3, 323-93C3, 323-327C3	Casco clay loam, 4 to 7 percent slopes, severely eroded	323C3	Casco clay loam, 4 to 6 percent slopes, severely eroded
323D2, 323D, 93-323D2, 93-323KD, 323-93D2, 323-93KD2, 323-327D2	Casco loam, 7 to 12 percent slopes, eroded	323D2	Casco loam, 6 to 12 percent slopes, eroded
323D3, 93D3, 93-318D3, 93-323D3, 323-93D3, 323-93KD3, 323-327D3	Casco clay loam, 7 to 12 percent slopes, severely eroded	323D3	Casco clay loam, 6 to 12 percent slopes, severely eroded
325A, 325A+	Dresden silt loam, 0 to 2 percent slopes	325A	Dresden silt loam, 0 to 2 percent slopes

MCHENRY COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
325B, 325B2, 325C	Dresden silt loam, 2 to 4 percent slopes	325B	Dresden silt loam, 2 to 4 percent slopes
327A, 327A2, 327A+, 327SA	Fox silt loam, 0 to 2 percent slopes	327A	Fox silt loam, 0 to 2 percent slopes
327B, 327B2, 327KB, 327-323B, 323-323B2	Fox silt loam, 2 to 4 percent slopes	327B	Fox silt loam, 2 to 4 percent slopes
327C2, 327C, 325C2, 327C3, 327-323C2, 327-323KC	Fox silt loam, 4 to 7 percent slopes, eroded	327C2	Fox silt loam, 4 to 6 percent slopes, eroded
327D2, 327D, 327D3, 327DK, 327-323D2	Fox loam, 7 to 12 percent slopes, eroded	327D2	Fox loam, 6 to 12 percent slopes, eroded
329, 329A, 329A+, 329B	Will loam	329A	Will loam, 0 to 2 percent slopes
330, 330A	Peotone silty clay loam	330A	Peotone silty clay loam, 0 to 2 percent slopes
343, 343A+, 343B, 342A, 342B	Kane silt loam	343A	Kane silt loam, 0 to 2 percent slopes
344A, 344A+	Harvard silt loam, 0 to 2 percent slopes	344A	Harvard silt loam, 0 to 2 percent slopes
344B	Harvard silt loam, 2 to 4 percent slopes	344B	Harvard silt loam, 2 to 5 percent slopes

MCHENRY COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
361B, 361B2, 361B+	Kidder loam, 2 to 4 percent slopes	361B	Kidder loam, 2 to 4 percent slopes
361C, 361KC, 299C, 310C, 310KC	Kidder loam, 4 to 7 percent slopes	361C	Kidder loam, 4 to 6 percent slopes
361C2, 310C2, 299C2	Kidder loam, 4 to 7 percent slopes, eroded	361C2	Kidder loam, 4 to 6 percent slopes, eroded
361C3	Kidder clay loam, 4 to 7 percent slopes, severely eroded	361C3	Kidder clay loam, 4 to 6 percent slopes, severely eroded
361D2, 361D, 361KD, 310D, 310D2	Kidder loam, 7 to 12 percent slopes, eroded	361D2	Kidder loam, 6 to 12 percent slopes, eroded
361D3	Kidder clay loam, 7 to 12 percent slopes, severely eroded	361D3	Kidder clay loam, 6 to 12 percent slopes, severely eroded
361E, 361KE	Kidder loam, 12 to 20 percent slopes	361E	Kidder loam, 12 to 20 percent slopes
361E2, 361E3	Kidder loam, 12 to 20 percent slopes, eroded	361E2	Kidder loam, 12 to 20 percent slopes, eroded
361F, 361F2, 361F3, 361KF	Kidder silt loam, 20 to 30 percent slopes	361F	Kidder silt loam, 20 to 30 percent slopes
363B, 363B2	Griswold loam, 2 to 4 percent slopes	363B	Griswold loam, 2 to 4 percent slopes

MCHENRY COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
363C2, 297C, 297C2, 363C, 363C3	Griswold loam, 4 to 7 percent slopes, eroded	363C2	Griswold loam, 4 to 6 percent slopes, eroded
363D2, 363D3, 363E2	Griswold loam, 7 to 12 percent slopes, eroded	363D2	Griswold loam, 6 to 12 percent slopes, eroded
369A	Waupecan silt loam, 0 to 2 percent slopes	369A	Waupecan silt loam, 0 to 2 percent slopes
369B, 148B	Waupecan silt loam, 2 to 4 percent slopes	369B	Waupecan silt loam, 2 to 4 percent slopes
79A, 346A, 379A	Volinia loam, 0 to 2 percent slopes	379A	Dakota loam, 0 to 2 percent slopes
79B, 346B, 379B	Volinia loam, 2 to 4 percent slopes	379B	Dakota loam, 2 to 4 percent slopes
488	Hooppole loam	488A	Hooppole loam, 0 to 2 percent slopes
220B, 220A, 220C, 240B 240C	Plattville silt loam, 2 to 4 percent slopes	503B	Rockton silt loam, 2 to 6 percent slopes
512A	Danabrook silt loam, 0 to 2 percent slopes	512A	Danabrook silt loam, 0 to 2 percent slopes
512B	Danabrook silt loam, 2 to 5 percent slopes	512B	Danabrook silt loam, 2 to 5 percent slopes
523	Dunham silty clay loam	523A	Dunham silty clay loam, 0 to 2 percent slopes

MCHENRY COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
526A	Grundelein silt loam, 0 to 2 percent slopes	526A	Grundelein silt loam, 0 to 2 percent slopes
24B, 24A, 24B2, 27B, 205B	Miami silt loam, 2 to 4 percent slopes	527B	Kidami silt loam, 2 to 4 percent slopes
24C, 27C, 205C, 24KC, 224C	Miami silt loam, 4 to 7 percent slopes	527C	Kidami silt loam, 4 to 6 percent slopes
24C2, 27C2, 205C2, 224C2, 224C3	Miami loam, 4 to 7 percent slopes, eroded	527C2	Kidami loam, 4 to 6 percent slopes, eroded
24D, 27D, 224D	Miami silt loam, 7 to 12 percent slopes	527D	Kidami silt loam, 6 to 12 percent slopes
24D2, 27D2, 224D2	Miami loam, 7 to 12 percent slopes, eroded	527D2	Kidami loam, 6 to 12 percent slopes, eroded
24D3, 27D3, 224D3, 224E3	Miami clay loam, 7 to 12 percent slopes, severely eroded	527D3	Kidami clay loam, 6 to 12 percent slopes, severely eroded
102, 102A, 102A2, 102A+, 102B	La Hogue loam	528A	Lahoguess loam, 0 to 2 percent slopes
125, 125A, 529	Selma loam	529A	Selmass loam, 0 to 2 percent slopes
194B, 194B2, 23B, 23B2	Morley silt loam, 2 to 4 percent slopes	530B	Ozaukee silt loam, 2 to 4 percent slopes
194C2, 23C2, 194C, 23C	Morley silt loam, 4 to 7 percent slopes, eroded	530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded

MCHENRY COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
194C3	Morley silty clay loam, 4 to 7 percent slopes, severely eroded	530C3	Ozaukee silty clay loam, 4 to 6 percent slopes, severely eroded
194D2, 23D2, 194D, 298D	Morley silt loam, 7 to 12 percent slopes, eroded	530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
194D3, 298D3	Morley silty clay loam, 7 to 12 percent slopes, severely eroded	530D3	Ozaukee silty clay loam, 6 to 12 percent slopes, severely eroded
194E, 194E2, 194E3, 194F, 194F2, 194F3	Morley silt loam, 12 to 20 percent slopes	530E	Ozaukee silt loam, 12 to 20 percent slopes
543B, 291B	Chemung silt loam, 2 to 4 percent slopes	543B	Piscasaw silt loam, 2 to 4 percent slopes
544A, 291A, 353A, 353B	Torox silt loam, 0 to 2 percent slopes	544A	Torox silt loam, 0 to 2 percent slopes
348A	Wingate silt loam, 0 to 2 percent slopes	545A	Windere silt loam, 0 to 2 percent slopes
348B	Wingate silt loam, 2 to 4 percent slopes	545B	Windere silt loam, 2 to 4 percent slopes
557A, 132A, 132B	Millstream silt loam, 0 to 2 percent slopes	557A	Millstream silt loam, 0 to 2 percent slopes
570A, 137A, 144A	Martinsville silt loam, 0 to 2 percent slopes	570A	Martinsville silt loam, 0 to 2 percent slopes
144B, 131B, 137B	Alvin sandy loam, 2 to 4 percent slopes	570B	Martinsville silt loam, 2 to 4 percent slopes

MCHENRY COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
144C2, 137C, 137C2, 131C2	Alvin sandy loam, 4 to 7 percent slopes, eroded	570C2	Martinsville silt loam, 4 to 6 percent slopes, eroded
224E, 24E, 27E, 224E2, 527E	Strawn silt loam, 12 to 20 percent slopes	618E	Senachwine silt loam, 12 to 20 percent slopes
224F, 24F, 27F, 224F2, 527F	Strawn silt loam, 20 to 30 percent slopes	618F	Senachwine silt loam, 20 to 30 percent slopes
322B, 322B2	Russell silt loam, 2 to 4 percent slopes	624B	Caprell silt loam, 2 to 4 percent slopes
322C2, 291C, 291C2, 322C	Russell silt loam, 4 to 7 percent slopes, eroded	624C2	Caprell silt loam, 4 to 6 percent slopes, eroded
322D2, 322D3	Russell silt loam, 7 to 12 percent slopes, eroded	624D2	Caprell silt loam, 6 to 12 percent slopes, eroded
624E	Caprell silt loam, 12 to 20 percent slopes	624E	Caprell silt loam, 12 to 20 percent slopes
56A, 55A	Dana silt loam, 0 to 2 percent slopes	625A	Geryune silt loam, 0 to 2 percent slopes
56B, 55B	Dana silt loam, 2 to 4 percent slopes	625B	Geryune silt loam, 2 to 5 percent slopes
347, 347A, 347B, 626	Canisteo loam	626A	Kish loam, 0 to 2 percent slopes
635A	Lismod silt loam, 0 to 2 percent slopes	635A	Lismod silt loam, 0 to 2 percent slopes

MCHENRY COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
635B	Lismod silt loam, 2 to 4 percent slopes	635B	Lismod silt loam, 2 to 4 percent slopes
636B	Parmod silt loam, 2 to 5 percent slopes	636B	Parmod silt loam, 2 to 5 percent slopes
636C2 Dropped Amend. 1 8/97	Parmod silt loam, 5 to 10 percent slopes, eroded	636C2	Parmod silt loam, 5 to 10 percent slopes, eroded
57B, 57B2	Montmorenci silt loam, 2 to 4 percent slopes	656B	Octagon silt loam, 2 to 4 percent slopes
57C2, 57C, 57C3	Montmorenci silt loam, 4 to 7 percent slopes, eroded	656C2	Octagon silt loam, 4 to 6 percent slopes, eroded
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
791C2, 134C, 134C2, 344C, 344C2	Rush silt loam, 4 to 7 percent slopes, eroded	791C2	Rush silt loam, 4 to 6 percent slopes, eroded
792A	Bowes 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	792B	Bowes silt loam, 2 to 4 percent slopes
802B, B.P., M.L.	Orthents, loamy, 2 to 4 percent slopes	802B	Orthents, loamy, ^{undulating} 2 to 4 percent slopes
865, G.P.	Pits, gravel	865	Pits, gravel

MCHENRY COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
969E2, 323E2, 93E2, 93E3, 93-318E2, 93-318E3, 93-323E2, 93-323E3, 318E2, 323E3, 323-93E2, 323-93E3, 323-93KE2, 323-93KE3, 323-327E, 323-327E2, 323-327KE	Casco-Rodman complex, 12 to 20 percent slopes, eroded	969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded
969F, 323F, 93F, 93F2, 93F3, 323F2, 93-318F2, 93-323F2, 323-93F2, 323-93KF2	Casco-Rodman complex, 20 to 30 percent slopes	969F	Casco-Rodman complex, 20 to 30 percent slopes
W67, 1067, 1067B, 4067A	Harpster silt loam, wet	1067A	Harpster silt loam, 0 to 2 percent slopes, undrained
W82, 1082	Millington silt loam, wet	1082A	Millington silt loam, 0 to 2 percent slopes, undrained, occasionally flooded
1100	Palms muck, undrained	1100A	Palms muck, 0 to 2 percent slopes, undrained
W103, W97, 1097A, 1103, 1103B	Houghton muck, wet	1103A	Houghton muck, 0 to 2 percent slopes, undrained
1153, 1152B, 1296A	Pella silty clay loam, undrained	1153A	Pella silty clay loam, 0 to 2 percent slopes, undrained

MCHENRY COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
W206, 1206	Thorp silt loam, wet	1206A	Thorp silt loam, 0 to 2 percent slopes, undrained
W210, 1210, 1210B	Lena muck, wet	1210A	Lena muck, 0 to 2 percent slopes, undrained
W330, 1232A, 1330, 4330A	Peotone silty clay loam, wet	1330A	Peotone silty clay loam, 0 to 2 percent slopes, undrained
1488	Hooppole loam, undrained	1488A	Hooppole loam, 0 to 2 percent slopes, undrained
W125, 1125A, 1125, 1329, 1329A, 1529	Selma loam, wet	1529A	Selma loam, 0 to 2 percent slopes, undrained
W347, 1347, 1347A, 1347B, 1626	Canisteo loam, wet	1626A	Kish loam, 0 to 2 percent slopes, undrained
W76, 1076A, 1076, 1776	Otter silt loam, wet	1776A	Comfrey loam, 0 to 2 percent slopes, undrained, occasionally flooded
4103, 4103A, 4210, 4210A	Houghton muck, ponded	4103A	Houghton muck, 0 to 2 percent slopes, ponded
8082, 82, 82A, 82B	Millington silt loam, occasionally flooded	8082A	Millington silt loam, 0 to 2 percent slopes, occasionally flooded
8776, 76, 76A, 8076, 8076A	Otter silt loam, occasionally flooded	8776A	Comfrey loam, 0 to 2 percent slopes, occasionally flooded
W	Water	W	Water

Series established by this correlation:

Caprell, Dunham, Grundelein, Kidami, Kish, Lahoguess, Millstream, Piscasaw, Selmass, Torox, and Windere series have a type location in McHenry County, Illinois.

Geryune, and Lismod series have a type location in Boone County, Illinois.

Danabrook series has a type location in DeKalb County, Illinois.

Parmod series has a type location in Lee County, Illinois.

Series added to previously correlated legend (Soil Report # 81, August 1965):

Bowes, Comfrey, Dakota, Dickinson, Hoopeston, Hooppole, Kidder, Martinsville, Martinton, Nappanee, Octagon, Ozaukee, Palms, Parr, Pella, Rockton, Rush, Senachwine, and Waupecan

Series dropped from previously correlated legend (Soil Report # 81, August 1965):

Alvin, Blount, Dana, Dowagiac, Hennepin, Knight, La Hogue, Lapeer, Lomax, Matherton, Metea, Miami, Montmorenci, Morley, Onarga, Otter, Plattville, Ridgeville, Russell, Saybrook, Selma, Sidell, Starks, Strawn, Toronto, Volinia, Wallkill, Washtenaw, Wingate, and Xenia

Series which are now inactive from previously correlated legend (Soil Report # 81, August 1965)

Ellison, Eylar, loamy burned muck, Nippersink, Pistakee, and Sumner

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 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 McHenry County Soil and Water Conservation District. Financial assistance was made available by the McHenry County Board and the Illinois Department of Agriculture."

Prior soil survey publication:

Prior soil surveys of McHenry County were published in 1921 by University of Illinois, Agric. Exp. Sta. Soil Report No. 21 (J.G. Mosier, R. W. Dickenson, H. W. Stewart, E. Van Alstine, and H. J. Snider); and in 1965 University of Illinois, Agric. Exp. Sta. Soil Report No. 81 (B. W. Ray and H. L. Wascher)

This soil survey joins with soils in the region (MLRA 95B) and places soil information on orthophotography for use in future geographic information systems. The soil map has been digitized and is included in a geographic database.

Joining statement:

McHenry County which was published in 1965 joins seven modern day soil surveys. These are Boone, Cook, DeKalb, Kane, and Lake Counties in Illinois and Kenosha and Walworth Counties in Wisconsin. A perfect join with these adjacent counties has been completed with this update within the geographic area of the recompiled orthoquarter quads.

Boone County to the west was published in 1980. The McHenry County and Boone County join was investigated by Stephen K. Higgins, soil scientist on the Rock Falls MLRA staff. Recompilation extended two and a quarter miles into Boone County from the McHenry County line.

Cook and Kane Counties to the south were both published in 1979. Recompilation extended about two miles into these counties from the McHenry County line.

DeKalb County to the south was published in 1978. Recompilation extended about two miles into DeKalb County from the McHenry County line.

Lake County to the east was published in 1970. Recompilation extended just over a half mile into Lake County from the McHenry County line.

Kenosha and Walworth Counties to the north were published in 1970 and 1971 respectively. Recompilation extended a quarter mile into these counties from the McHenry County line. Dale E. Calsyn, team leader Naperville MLRA, investigated the McHenry join with Wisconsin.

Disposition of field sheets:

The original soil maps used for Soil Report # 81 were converted from a scale of 1:15,840 to 1:12,000 and were also ratioed. These maps were then recompiled onto 1:12,000 scale orthophotography quarter quads. Geographic area of the complete quarter quad has been compiled, i.e. map compilation extended beyond the McHenry County line in order to complete the compilation of soils on the photo base. The compiled maps and accompanying material have been delivered to the GIS staff at the Illinois state office. Copies of a computer tape of the final product will remain at the state office, be certified for SSURGO at NCC, and be

provided to the McHenry County Board as part of the cost share cooperative agreement.

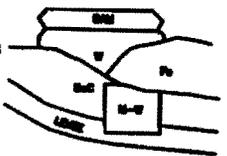
Instructions for map compilation, map finishing, and digitizing:

Map recompilation was completed by the Naperville MLRA staff in March 1996. Soils, water, and cultural features were all compiled onto the orthoquarter quads. Symbols for map finishing were those approved for SSURGO standards and as shown in this document. The compiled maps and supporting documentation was delivered to the GIS staff at the Illinois state office in March 1996. The GIS staff redrafted the soils, water, and cultural features onto separate layers. These layers were sent to a contractor for scanning and digitizing in October 1996. The contractor is scheduled to deliver the product March of 1997. The Naperville MLRA staff and GIS staff at the Illinois state office will complete a final check before delivering the product to NCC for SSURGO certification. Thomas P. D'Avello, GIS Specialist at Champaign, Illinois has been assigned to prepare the metadata document for McHenry County Soil Survey, a subset of MLRA 95B.

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

Soil Survey Area: McHenry County
State: IL

Date: 3/97

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**GUIDELINES FOR USE OF CONVENTIONAL AND SPECIAL SYMBOLS
SCALE -- 1:12,000**

<u>CULTURAL FEATURES</u>	<u>LABELS/ SYMBOL I.D.</u>	<u>GUIDELINES FOR USE</u>
AD HOC BOUNDARY		
Cemetery		Show cemeteries that are 1 acre or larger. Use the word cemetery in those that are large enough and use a cross symbol in the smaller ones.
Road Emblems and Designations		Use symbols for interstate, federal, and state roads. Other roads will not be labeled.
Railroad		Use letters R. R. to show location of active railroads.
DAMS		
Medium or small		Show the earth fill with a straight line. Use the word water in those bodies of water that are large enough and w in the smaller ones.
PITS		
Gravel Pit	GPI	An open excavation from which soil and the underlying material have been removed, and used without crushing, as a source of sand or gravel. Typically 0.5 to 2 acres in size.
Quarry	MPI	An open excavation from which soil and the underlying material have been removed exposing desired material (bedrock). Typically 0.5 to 2 acres in size.
DRAINAGE		
Perennial, double line		Streams that are 100 feet or more in width on the landscape (0.10 of an inch or more on the atlas sheet).
Perennial, single line		Streams with water flow throughout most of the year during years of normal rainfall. They are less than 100 feet in width on the landscape (less than 0.10 of an inch on the atlas sheet).
Intermittent		Streams or drainageways that are free of water during the driest part of the year in years of normal rainfall.
Drainage end		Shows the point where concentrated water flow stops and there is no channel within 100 feet or more on the landscape (0.10 of an inch or more on the atlas sheet).
Drainage ditches		Water channels less than 100 feet in width on the landscape (less than 0.12 of an inch on the atlas sheet) that have been excavated or straightened.

<u>CULTURAL FEATURES</u>	<u>LABELS/ SYMBOL I.D.</u>	<u>GUIDELINES FOR USE</u>
LAKES, PONDS, AND RESERVOIRS		
Perennial		Areas which hold water throughout most of the year during years of normal rainfall. Show those bodies of water that are 1 acre or larger. Use the word water with those bodies which are large enough, and a W in the smaller ones.
Intermittent		Areas which hold water only part of the year. They are devoid of water during the driest part of the year in years of normal rainfall. Show those areas that are 1 acre or larger. Use the word intermittant in those areas which are large enough and use the abbreviation int. In the smaller ones.
<u>SPECIAL SYMBOLS FOR SOIL SURVEY</u>		
Marsh	MAR	Area is wetter than the surrounding soil in the map unit. It commonly has standing water several months of the year. Usually not cultivated and has marsh vegetation. Typically 0.5 to 2 acres in size.
Wet Spot	WET	A wet, slightly depressed area that commonly has standing water for short periods. It is cultivated in most years. The spot symbol is not used in poorly and very poorly drained map units. Typically 0.5 to 2 acres in size.
ESCARPMENT other than bedrock	ESO	An elevation change of at least 15 feet in an area too narrow to delineate. The soil above and below is 2 slope classes less.
SHORT STEEP SLOPES	SLP	A very narrow area with a slope usually between 8 and 12 percent which is farmable. It generally represents a drop in elevation from one terrace level to another or from a terrace to bottomland. Soil above and below is nearly level or gently sloping. Use at least 4 dots.
DEPRESSION	DEP	An area which is commonly 2 feet or more lower in elevation in the middle than the surrounding area. Side slopes usually range from 2 to 5 percent. Typically 0.5 to 2 acres in size.
SOIL SAMPLE SITE		The location of a typical pedon site for the series in the county.
Gravelly spot	GRA	The surface layer texture is very gravelly, and the surrounding map unit surface layer is non-gravelly. Typically 0.5 to 2 acres in size.
Dumps and other similar non-soil areas	12	Non-soil material that supports little or no vegetation. Typically 0.5 to 2 acres in size.

<u>FEATURES</u>	<u>LABELS/ SYMBOL I.D.</u>	<u>GUIDELINES FOR USE</u>
Rock outcrop	ROC	An exposure of bedrock at the surface of the earth. Not used where the named soil of the surrounding map unit are shallow over bedrock. Typically 0.5 to 2 acres in size.
Sandy spot	SAN	An area with a surface layer texture of loamy sand or sand within a map unit with a surface texture of loam, silt-loam, or finer. Typically is 0.5 to 2 acres in size.
Severely eroded spot	ERO	An area in which the soil has lost 75 percent or more of the original A horizon and if present the E horizon. The plow layer now consists largely of material that was below the A and /or E horizon. The spot symbol is used only in none to slightly eroded and moderately eroded map units. Typically 0.5 to 2 acres in size.
Muck spot	MVC 30	An area with a poorly drained or very poorly drained soil that has a proportional amount of organic carbon between 12 and 18 percent. The spot symbol is used only in a map unit consisting of a mineral soil. Typically 0.5 to 2 acres in size.
Calcareous spot	CSP 29	An area in which the soil contains free carbonates in the surface layer. Effervescence can be detected by using dilute (10 percent) hydrochloric acid. The surface layer of the surrounding map unit is noncalcareous. Typically 0.5 to 2 acres in size.

Conversion Legend for McHenry County, Illinois
a subset of MLRA 95B

<u>Field symbol</u>	<u>Publication symbol</u>	<u>Field symbol</u>	<u>Publication symbol</u>	<u>Field symbol</u>	<u>Publication symbol</u>
23B	530B	87A	87A	125A	529A
23B2	530B	87B	87B	131A	570A
23C	530C2	87C	87B2	131B	570B
23C2	530C2	87C2	87B2	131C2	570C2
23D2	530D2	93C2	318C2	132A	557A
24A	527B	93D2	318D2	132B	557A
24B	527B	93D3	323D3	134A	134A
24B2	527B	93E2	969E2	134B	134B
24C	527C	93E3	969E2	134C	791C2
24KC	527C	93F	969F	134C2	791C2
24C2	527C2	93F2	969F	137A	570A
24D	527D	93F3	969F	137B	570B
24D2	527D2	93-318C2	318C2	137C	570C2
24D3	527D3	93-318D2	318D2	137C2	570C2
24E	618E	93-318D3	323D3	144A	570A
24F	618F	93-318E2	969E2	144B	570B
27B	527B	93-318E3	969E2	144C	570C2
27C	527C	93-318F2	969F	144C2	570C2
27C2	527C2	93-323KD	323D2	145B	221B
27D	527D	93-323D2	323D2	145B2	221B
27D2	527D2	93-323D3	323D3	145C	221C2
27D3	527D3	93-323E2	969E2	145C2	221C2
27E	618E	93-323E3	969E2	146A	146A
27F	618F	93-323F2	969F	146B	146B
55A	625A	97A	103A	146B+	146B
55B	625B	97A+	103A	146B2	146B
56A	625A	97B	103A	146C	223C2
56B	625B	97CA	100A	146C2	223C2
57B	656B	100	100A	146D2	223D2
57B2	656B	100A	100A	148A	148A
57C	656C2	102A	528A	148A+	148A
57C2	656C2	102A2	528A	148B	148B
57C3	656C2	102A+	528A	148B2	148B
59	59A	102B	528A	148B+	148B
59B	59B	103	103A	148C	148B
60C2	60C2	103A	103A	148C2	290C2
60C3	60C2	103A+	103A	149	149A
60D2	60C2	103B	103A	149A	149A
60D3	60C2	103CA	100A	149A+	149A
62	62A	103CB	100A	149B	149A
67	67A	103gA	100A	149B+	149A
67A	67A	103LA	100A	150A	87A
67B	67A	103LB	100A	150B	87B
76	8776A	103SA	100A	150C	87B2
76A	8776A	103SB	100A	150C2	87B2
79A	379A	104	104A	152	152A
79B	379B	104A	104A	152A	152A
82	8082A	104A+	104A	152A+	153A+
82A	8082A	104B	104A	152B+	153A+
82B	8082A	125	529A	153	153A

Conversion Legend for McHenry County, Illinois (Continued)

Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol
153A	153A	220A	503B	297A	297A
153+	153A+	220B	503B	297A+	297A
156	172A	220C	503B	297B	297B
156A	172A	221B	221B	297B2	297B
172	172A	221C2	221C2	297B+	297B
172A	172A	223B	223B	297C	363C2
189	189A	223C	223C2	297C2	363C2
189A	189A	223C2	223C2	298A	298B
191	206A	223C3	223C2	298B	298B
191A	206A	223D	223D2	298B2	298B
191A+	206A	223D2	223D2	298D3	530D3
194B	530B	223D3	223D2	299A	297A
194B2	530B	224C	527C	299B	310B
194C	530C2	224C2	527C2	299C	361C
194C2	530C2	224C3	527C2	299C2	361C2
194C3	530C3	224D	527D	310A	310B
194D	530D2	224D2	527D2	310B	310B
194D2	530D2	224D3	527D3	310B2	310B
194D3	530D3	224E3	527D3	310C	361C
194E	530E	224E	618E	310KC	361C
194E2	530E	224E2	618E	310C2	361C2
194E3	530E	224F	618F	310D	361D2
194F	530E	224F2	618F	310D2	361D2
194F2	530E	228B	228B	318A	318A
194F3	530E	228B2	228B	318A2	318A
197	197A	228B+	228B	318B	318B
197A	197A	228C2	228B	318B2	318B
197A+	197A	232	232A	318B+	318B
197B	197A	232A	232A	318C	318C2
198	198A	232A+	232A	318C2	318C2
198A	198A	232B	232A	318C3	318C2
198A+	198A	240B	503B	318D2	318D2
198B	198A	240C	503B	318D3	318D2
204B	221B	265A	87A	318E2	969E2
205B	527B	265B	87B	318-93C2	318C2
205C	527C	265C	87B2	318-93D2	318D2
205C2	527C2	290A	290A	318-93D3	318D2
206	206A	290B	290B	318-290C2	318C2
206A	206A	290B2	290B	318-290D2	318D2
206B	206A	290C	290C2	322B2	624B
210	210A	290C2	290C2	322C	624C2
210A	210A	290D2	318D2	322C2	624C2
210B	210A	290-318B	290B	322D2	624D2
210CA	210A	290-318C2	290C2	322D3	624D2
210LA	210A	291A	544A	323A	323B
219	219A	291B	543B	323B	323B
219A	219A	291C	624C2	323B2	323B
219A+	219A	291C2	624C2	323C	323C2
219B	219A	292A	103A	323C2	323C2
219B+	219A	296A	153A+	323C3	323C3

Conversion Legend for McHenry County, Illinois (Continued)

Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol
323D	323D2	327-323B2	327B	361KE3	361E2
323D2	323D2	327-323KC	327C2	361F	361F
323D3	323D3	327-323C2	327C2	361KF	361F
323E2	969E2	327-323D2	327D2	361F2	361F
323E3	969E2	329	329A	361F3	361F
323F	969F	329A	329A	362A	221B
323F2	969F	329A+	329A	362B	318B
323-93C2	323C2	329B	329A	363B	363B
323-93KC2	323C2	330	329A	363B2	363B
323-93C3	323C3	330A	330A	363C	363C2
323-93D2	323D2	342A	330A	363C2	363C2
323-93KD2	323D2	342B	343A	363C3	363C2
323-93D3	323D3	343	343A	363D	363D2
323-93KD3	323D3	343A	343A	363D2	363D2
323-93E2	969E2	343A+	343A	363D3	363D2
323-93KE2	969E2	343B	343A	363E2	363D2
323-93E3	969E2	344A	344A	364A	153A+
323-93KE3	969E2	344A+	344A	369A	369A
323-93F2	969F	344B	344B	369B	369B
323-93KF2	969F	344C	791C2	379A	379A
323-327B	323B	344C2	791C2	379B	379B
323-327KC	323C2	346A	379A	488	488A
323-327C2	323C2	346B	379B	488A	488A
323-327C3	323C3	347	626A	503B	503B
323-327D2	323D2	347A	626A	512A	512A
323-327D3	323D3	347B	626A	512B	512B
323-327E	969E2	348A	545A	523	523A
323-327KE	969E2	348B	545B	523A	523A
323-327E2	969E2	353A	544A	526	526A
325A	325A	353B	544A	526A	526A
325A+	325A	358A	103A	527B	527B
325B	325B	358SA	100A	527C	527C
325B2	325B	361B	361B	527C2	527C2
325C	325B	361B2	361B	527D	527D
325C2	327C2	361B+	361B	527D2	527D2
327A	327A	361C	361C	527D3	527D3
327A2	327A	361KC	361C	527E	618E
327A+	327A	361C2	361C2	527F	618F
327SA	327A	361C3	361C3	528A	528A
327B	327B	361D	361D2	529	529A
327B2	327B	361KD	361D2	529A	529A
327BK	327B	361D2	361D2	530B	530B
327C	327C2	361KD2	361D2	530C2	530C2
327C2	327C2	361D3	361D3	530C3	530C3
327C3	327C2	361KD3	361D3	530D2	530D2
327D	327D2	361E	361E	530D3	530D3
327DK	327D2	361KE	361E	530E	530E
327D2	327D2	361KE2	361E2	543B	543B
327D3	327D2	361KE2	361E2	544A	544A
327-323B	327B	361E3	361E2	545A	545A

Conversion Legend for McHenry County, Illinois (Continued)

Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol
545B	545B	1206A	1206A	W206	1206A
557A	557A	1210	1210A	W206A	1206A
570A	570A	1210A	1210A	W210	1210A
570B	570B	1232	1330A	W210A	1210A
570C2	570C2	1329	1529A	W210B	1210A
618E	618E	1329A	1529A	W232A	1330A
618F	618F	1330	1330A	W296A	1153A
624B	624B	1330A	1330A	W329	1529A
624C2	624C2	1347	1626A	W329A	1529A
624D2	624D2	1347A	1626A	W330	1330A
624E	624E	1347B	1626A	W330A	1330A
625A	625A	1488	1488A	W347	1626A
625B	625B	1488A	1488A	W347A	1626A
626	626A	1529	1529A		
626A	626A	1529A	1529A		
635A	635A	1626	1626A		
635B	635B	1626A	1626A		
636B	636B	1776	1776A		
636C2	636C2	1776A	1776A		
656B	656B	4067A	1067A		
656C2	656C2	4103	4103A		
791A	791A	4103A	4103A		
791B	791B	4210	4103A		
791C2	791C2	4210A	4103A		
792A	792A	4330A	1330A		
792B	792B	8076	8776A		
B.P.	802B	8076A	8776A		
M.L.	802B	8082	8082A		
802	802B	8082A	8082A		
802B	802B	8776	8776A		
G.P.	865	8776A	8776A		
865	865	W	W		
969E2	969E2	W67	1067A		
969F	969F	W67A	1067A		
1067	1067A	W76	1776A		
1067A	1067A	W76A	1776A		
1067B	1067A	W82	1082A		
1076	1776A	W82A	1082A		
1076A	1776A	W97	1103A		
1082	1082A	W97A	1103A		
1082A	1082A	W97A+	1103A		
1100	1100A	W103CA	1100A		
1100A	1100A	W103LA	1100A		
1103	1103A	W103SA	1100A		
1103A	1103A	W103	1103A		
1125	1529A	W103A	1103A		
1125A	1529A	W103B	1103A		
1153	1153A	W125	1529A		
1153A	1153A	W125A	1529A		
1206	1206A	W152B	1153A		

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MCHENRY COUNTY SUBSET
ALPHABETICAL IDENTIFICATION LEGEND

<u>Symbol</u>	<u>Map Unit Name</u>
232A	Ashkum silty clay loam, 0 to 2 percent slopes
298B	Beecher 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
149A	Brenton silt loam, 0 to 2 percent slopes
134A	Camden silt loam, 0 to 2 percent slopes
134B	Camden silt loam, 2 to 5 percent slopes
624B	Caprell silt loam, 2 to 4 percent slopes
624C2	Caprell silt loam, 4 to 6 percent slopes, eroded
624D2	Caprell silt loam, 6 to 12 percent slopes, eroded
624E	Caprell silt loam, 12 to 20 percent slopes
323B	Casco loam, 2 to 4 percent slopes
323C2	Casco loam, 4 to 6 percent slopes, eroded
323C3	Casco clay loam, 4 to 6 percent slopes, severely eroded
323D2	Casco loam, 6 to 12 percent slopes, eroded
323D3	Casco clay loam, 6 to 12 percent slopes, severely eroded
969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded
969F	Casco-Rodman complex, 20 to 30 percent slopes
1776A	Comfrey loam, 0 to 2 percent slopes, undrained, occasionally flooded
8776A	Comfrey loam, 0 to 2 percent slopes, occasionally flooded
379A	Dakota loam, 0 to 2 percent slopes
379B	Dakota loam, 2 to 4 percent slopes
512A	Danabrook silt loam, 0 to 2 percent slopes
512B	Danabrook silt loam, 2 to 5 percent slopes
87A	Dickinson sandy loam, 0 to 2 percent slopes
87B	Dickinson sandy loam, 2 to 5 percent slopes
87B2	Dickinson sandy loam, 2 to 5 percent slopes, eroded
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
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
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
327D2	Fox loam, 6 to 12 percent slopes, eroded

<u>Symbol</u>	<u>Map Unit Name</u>
625A	Geryune silt loam, 0 to 2 percent slopes
625B	Geryune silt loam, 2 to 5 percent slopes
363B	Griswold loam, 2 to 4 percent slopes
363C2	Griswold loam, 4 to 6 percent slopes, eroded
363D2	Griswold loam, 6 to 12 percent slopes, eroded
526A	Grundelein silt loam, 0 to 2 percent slopes
67A	Harpster silty clay loam, 0 to 2 percent slopes
1067A	Harpster silt loam, 0 to 2 percent slopes, undrained
344A	Harvard silt loam, 0 to 2 percent slopes
344B	Harvard silt loam, 2 to 5 percent slopes
62A	Herbert silt loam, 0 to 2 percent slopes
172A	Hoopston sandy loam, 0 to 2 percent slopes
488A	Hooppole loam, 0 to 2 percent slopes
1488A	Hooppole loam, 0 to 2 percent slopes, undrained
103A	Houghton muck, 0 to 2 percent slopes
1103A	Houghton muck, 0 to 2 percent slopes, undrained
4103A	Houghton muck, 0 to 2 percent slopes, ponded
343A	Kane silt loam, 0 to 2 percent slopes
527B	Kidami silt loam, 2 to 4 percent slopes
527C	Kidami silt loam, 4 to 6 percent slopes
527C2	Kidami loam, 4 to 6 percent slopes, eroded
527D	Kidami silt loam, 6 to 12 percent slopes
527D2	Kidami loam, 6 to 12 percent slopes, eroded
527D3	Kidami clay loam, 6 to 12 percent slopes, severely eroded
361B	Kidder loam, 2 to 4 percent slopes
361C	Kidder loam, 4 to 6 percent slopes
361C2	Kidder loam, 4 to 6 percent slopes, eroded
361C3	Kidder clay loam, 4 to 6 percent slopes, severely eroded
361D2	Kidder loam, 6 to 12 percent slopes, eroded
361D3	Kidder clay loam, 6 to 12 percent slopes, severely eroded
361E	Kidder loam, 12 to 20 percent slopes
361E2	Kidder loam, 12 to 20 percent slopes, eroded
361F	Kidder silt loam, 20 to 30 percent slopes
626A	Kish loam, 0 to 2 percent slopes
1626A	Kish loam, 0 to 2 percent slopes, undrained
60C2	La Rose loam, 5 to 10 percent slopes, eroded
528A	Lahoguess loam, 0 to 2 percent slopes
210A	Lena muck, 0 to 2 percent slopes
1210A	Lena muck, 0 to 2 percent slopes, undrained
59A	Lisbon silt loam, 0 to 2 percent slopes
59B	Lisbon silt loam, 2 to 4 percent slopes
635A	Lismod silt loam, 0 to 2 percent slopes
635B	Lismod silt loam, 2 to 4 percent slopes

<u>Symbol</u>	<u>Map Unit Name</u>
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
570A	Martinsville silt loam, 0 to 2 percent slopes
570B	Martinsville silt loam, 2 to 4 percent slopes
570C2	Martinsville silt loam, 4 to 6 percent slopes, eroded
189A	Martinton silt loam, 0 to 2 percent slopes
310B	McHenry silt loam, 2 to 4 percent slopes
219A	Millbrook silt loam, 0 to 2 percent slopes
1082A	Millington silt loam, 0 to 2 percent slopes, undrained, occasionally flooded
8082A	Millington silt loam, 0 to 2 percent slopes, occasionally flooded
557A	Millstream silt loam, 0 to 2 percent slopes
228B	Nappanee silt loam, 2 to 4 percent slopes
656B	Octagon silt loam, 2 to 4 percent slopes
656C2	Octagon silt loam, 4 to 6 percent slopes, eroded
802B	Orthents, loamy, 2 to 4 percent slopes undulating
530B	Ozaukee silt loam, 2 to 4 percent slopes
530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded
530C3	Ozaukee silty clay loam, 4 to 6 percent slopes, severely eroded
530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
530D3	Ozaukee silty clay loam, 6 to 12 percent slopes, severely eroded
530E	Ozaukee silt loam, 12 to 20 percent slopes
100A	Palms muck, 0 to 2 percent slopes
1100A	Palms muck, 0 to 2 percent slopes, undrained
636B	Parmod silt loam, 2 to 5 percent slopes
636C2	Parmod silt loam, 5 to 10 percent slopes, eroded
221B	Parr silt loam, 2 to 5 percent slopes
221C2	Parr silt loam, 5 to 10 percent slopes, eroded
153A	Pella silty clay loam, 0 to 2 percent slopes
153A+	Pella silt loam, 0 to 2 percent slopes, overwash
1153A	Pella silty clay loam, 0 to 2 percent slopes, undrained
330A	Peotone silty clay loam, 0 to 2 percent slopes
1330A	Peotone silty clay loam, 0 to 2 percent slopes, undrained
543B	Piscasaw silt loam, 2 to 4 percent slopes
865	Pits, gravel
148A	Proctor silt loam, 0 to 2 percent slopes
148B	Proctor silt loam, 2 to 5 percent slopes
297A	Ringwood silt loam, 0 to 2 percent slopes
297B	Ringwood silt loam, 2 to 4 percent slopes
503B	Rockton silt loam, 2 to 6 percent slopes
791A	Rush silt loam, 0 to 2 percent slopes
791B	Rush silt loam, 2 to 4 percent slopes

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<u>Symbol</u>	<u>Map Unit Name</u>
791C2	Rush silt loam, 4 to 6 percent slopes, eroded
529A	Selmass loam, 0 to 2 percent slopes
1529A	Selmass loam, 0 to 2 percent slopes, undrained
618E	Senachwine silt loam, 12 to 20 percent slopes
618F	Senachwine silt loam, 20 to 30 percent slopes
206A	Thorp silt loam, 0 to 2 percent slopes
1206A	Thorp silt loam, 0 to 2 percent slopes, undrained
544A	Torox silt loam, 0 to 2 percent slopes
197A	Troxel 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
223D2	Varna silt loam, 6 to 12 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
290C2	Warsaw loam, 4 to 6 percent slopes, eroded
W	Water
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
545A	Windere silt loam, 0 to 2 percent slopes
545B	Windere silt loam, 2 to 4 percent slopes

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MCHENRY COUNTY SUBSET
NUMERICAL IDENTIFICATION LEGEND

<u>Symbol</u>	<u>Map Unit Name</u>
W	Water
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
67A	Harpster silty clay loam, 0 to 2 percent slopes
87A	Dickinson sandy loam, 0 to 2 percent slopes
87B	Dickinson sandy loam, 2 to 5 percent slopes
87B2	Dickinson sandy loam, 2 to 5 percent slopes, eroded
100A	Palms muck, 0 to 2 percent slopes
103A	Houghton muck, 0 to 2 percent slopes
104A	Virgil silt loam, 0 to 2 percent slopes
134A	Camden silt loam, 0 to 2 percent slopes
134B	Camden silt loam, 2 to 5 percent slopes
146A	Elliott silt loam, 0 to 2 percent slopes
146B	Elliott silt loam, 2 to 4 percent slopes
148A	Proctor silt loam, 0 to 2 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
153A	Pella silty clay loam, 0 to 2 percent slopes
153A+	Pella silt loam, 0 to 2 percent slopes, overwash
172A	Hoopeston sandy loam, 0 to 2 percent slopes
189A	Martinton silt loam, 0 to 2 percent slopes
197A	Troxel silt loam, 0 to 2 percent slopes
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
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
223D2	Varna silt loam, 6 to 12 percent slopes, eroded
228B	Nappanee silt loam, 2 to 4 percent slopes
232A	Ashkum silty clay loam, 0 to 2 percent slopes
290A	Warsaw loam, 0 to 2 percent slopes
290B	Warsaw loam, 2 to 4 percent slopes
290C2	Warsaw loam, 4 to 6 percent slopes, eroded
297A	Ringwood silt loam, 0 to 2 percent slopes

<u>Symbol</u>	<u>Map Unit Name</u>
297B	Ringwood silt loam, 2 to 4 percent slopes
298B	Beecher silt loam, 2 to 4 percent slopes
310B	McHenry 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
323B	Casco loam, 2 to 4 percent slopes
323C2	Casco loam, 4 to 6 percent slopes, eroded
323C3	Casco clay loam, 4 to 6 percent slopes, severely eroded
323D2	Casco loam, 6 to 12 percent slopes, eroded
323D3	Casco clay loam, 6 to 12 percent slopes, severely eroded
325A	Dresden silt loam, 0 to 2 percent slopes
325B	Dresden silt loam, 2 to 4 percent slopes
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
327D2	Fox loam, 6 to 12 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
344A	Harvard silt loam, 0 to 2 percent slopes
344B	Harvard silt loam, 2 to 5 percent slopes
361B	Kidder loam, 2 to 4 percent slopes
361C	Kidder loam, 4 to 6 percent slopes
361C2	Kidder loam, 4 to 6 percent slopes, eroded
361C3	Kidder clay loam, 4 to 6 percent slopes, severely eroded
361D2	Kidder loam, 6 to 12 percent slopes, eroded
361D3	Kidder clay loam, 6 to 12 percent slopes, severely eroded
361E	Kidder loam, 12 to 20 percent slopes
361E2	Kidder loam, 12 to 20 percent slopes, eroded
361F	Kidder silt loam, 20 to 30 percent slopes
363B	Griswold loam, 2 to 4 percent slopes
363C2	Griswold loam, 4 to 6 percent slopes, eroded
363D2	Griswold loam, 6 to 12 percent slopes, eroded
369A	Waupecan silt loam, 0 to 2 percent slopes
369B	Waupecan silt loam, 2 to 4 percent slopes
379A	Dakota loam, 0 to 2 percent slopes
379B	Dakota loam, 2 to 4 percent slopes
488A	Hooppole loam, 0 to 2 percent slopes
503B	Rockton silt loam, 2 to 6 percent slopes

<u>Symbol</u>	<u>Map Unit Name</u>
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
526A	Grundelein silt loam, 0 to 2 percent slopes
527B	Kidami silt loam, 2 to 4 percent slopes
527C	Kidami silt loam, 4 to 6 percent slopes
527C2	Kidami loam, 4 to 6 percent slopes, eroded
527D	Kidami silt loam, 6 to 12 percent slopes
527D2	Kidami loam, 6 to 12 percent slopes, eroded
527D3	Kidami clay loam, 6 to 12 percent slopes, severely eroded
528A	Lahoguess loam, 0 to 2 percent slopes
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
530C3	Ozaukee silty clay loam, 4 to 6 percent slopes, severely eroded
530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
530D3	Ozaukee silty clay loam, 6 to 12 percent slopes, severely eroded
530E	Ozaukee silt loam, 12 to 20 percent slopes
543B	Piscasaw silt loam, 2 to 4 percent slopes
544A	Torox silt loam, 0 to 2 percent slopes
545A	Windere silt loam, 0 to 2 percent slopes
545B	Windere silt loam, 2 to 4 percent slopes
557A	Millstream silt loam, 0 to 2 percent slopes
570A	Martinsville silt loam, 0 to 2 percent slopes
570B	Martinsville silt loam, 2 to 4 percent slopes
570C2	Martinsville silt loam, 4 to 6 percent slopes, eroded
618E	Senachwine silt loam, 12 to 20 percent slopes
618F	Senachwine silt loam, 20 to 30 percent slopes
624B	Caprell silt loam, 2 to 4 percent slopes
624C2	Caprell silt loam, 4 to 6 percent slopes, eroded
624D2	Caprell silt loam, 6 to 12 percent slopes, eroded
624E	Caprell silt loam, 12 to 20 percent slopes
625A	Geryune silt loam, 0 to 2 percent slopes
625B	Geryune silt loam, 2 to 5 percent slopes
626A	Kish loam, 0 to 2 percent slopes
635A	Lismod silt loam, 0 to 2 percent slopes
635B	Lismod silt loam, 2 to 4 percent slopes
636B	Parmod silt loam, 2 to 5 percent slopes
636C2	Parmod silt loam, 5 to 10 percent slopes, eroded
656B	Octagon silt loam, 2 to 4 percent slopes
656C2	Octagon silt loam, 4 to 6 percent slopes, eroded
791A	Rush silt loam, 0 to 2 percent slopes
791B	Rush silt loam, 2 to 4 percent slopes

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<u>Symbol</u>	<u>Map Unit Name</u>
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
802B	Orthents, loamy, 2 to 4 percent slopes undulating
865	Pits, gravel
969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded
969F	Casco-Rodman complex, 20 to 30 percent slopes
1067A	Harpster silt loam, 0 to 2 percent slopes, undrained
1082A	Millington silt loam, 0 to 2 percent slopes, undrained, occasionally flooded
1100A	Palms muck, 0 to 2 percent slopes, undrained
1103A	Houghton muck, 0 to 2 percent slopes, undrained
1153A	Pella silty clay loam, 0 to 2 percent slopes, undrained
1206A	Thorp silt loam, 0 to 2 percent slopes, undrained
1210A	Lena muck, 0 to 2 percent slopes, undrained
1330A	Peotone silty clay loam, 0 to 2 percent slopes, undrained
1488A	Hooppole loam, 0 to 2 percent slopes, undrained
1529A	Selmass loam, 0 to 2 percent slopes, undrained
1626A	Kish loam, 0 to 2 percent slopes, undrained
1776A	Comfrey loam, 0 to 2 percent slopes, undrained, occasionally flooded
4103A	Houghton muck, 0 to 2 percent slopes, ponded
8082A	Millington silt loam, 0 to 2 percent slopes, occasionally flooded
8776A	Comfrey loam, 0 to 2 percent slopes, occasionally flooded

CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY ANALYSIS

1. Laboratory Data for NSSL

Sampled as	Field Symbol	Pedon Number	Pub. Symbol	Approved Series Name or Classification
Camden	134A1	53IL-111-009	134A	St. Charles. Mapped as an inclusion in Camden.
Camden	134A1	53IL-111-010	134A	Thebes. Mapped as an inclusion in Camden.
Fox	327B2	90IL-111-003	327B	Fine-loamy, mixed, mesic Mollic Hapludalfs. Mapped as an inclusion in Fox.
Ellison	137B1	60IL-111-001	570B	Martinsville. Has sandy substratum. Mapped as an inclusion in Martinsville
McHenry	310B1	90IL-111-004	310B	Kidder. Mapped as an inclusion in McHenry.
McHenry	310B1	92IL-111-035	310B	McHenry
Miami	24C1	90IL-111-001	527C2	Kidami. Is slightly eroded. Mapped as an inclusion in the moderately eroded map unit.
Miami	24B1	90IL-111-002	530B	Varna. Mapped as an inclusion in Ozaukee.
Miami	24B1	92IL-111-031	527B	Kidami

Miami	24C1	92IL-111-032	527C	Kidami
Miami	24B1	92IL-111-033	527B	Kidami
Ringwood	297B1	92IL-111-034	297B	Coarse-loamy, mixed, mesic Typic Hapludolls. Mapped as an inclusion in Ringwood.

2. Laboratory Data from University of Illinois Pedology Laboratory

Sampled as	Field Symbol	Pedon Number	Pub. Symbol	Approved Series Name or Classification
Fox	327D2	52IL-111-001	327D2	Fine, mixed, mesic Typic Hapludalfs. Mapped as an inclusion in Fox.
Fox	327B1	54IL-111-003	327B	Fox
Fox	327B1	54IL-111-004	327C2	Fine-loamy, mixed, mesic Typic Hapludalfs. Mapped as an inclusion in Fox.
McHenry	310C1	52IL-111-002	361C	McHenry. Mapped as an inclusion in Kidder.
McHenry	310C1	54IL-111-002	310B	McHenry
Miami	24C1	54IL-111-001	527C	Kidami
Ringwood	297B1	50IL-111-001	297B	Griswold. Mapped as an inclusion in Ringwood.
Ringwood	297B1	50IL-111-004	297B	Griswold. Mapped as an inclusion in Ringwood.

Warsaw	290B1	50IL-111-002	297B	Ringwood
Warsaw	290B1	50IL-111-003	290B	Fine-silty over sandy or sandy-skeletal, mixed, mesic Typic Argiudolls. Mapped as an inclusion in Warsaw.

3. Engineering Test Data from IDOT

Sampled as	Field Symbol	Pedon Number	Pub. Symbol	Approved Series Name or Classification
Fox	327B2	90IL-111-003	327B	Fine-loamy, mixed, mesic Mollic Hapludalfs. Mapped as an inclusion in Fox.
McHenry	310B1	90IL-111-004	310B	Kidder. Mapped as an inclusion in McHenry.
Miami	24C1	90IL-111-001	527C2	Kidami. Is slightly eroded. Mapped as an inclusion in the moderately eroded map unit.
Miami	24B1	90IL-111-002	530B	Varna. Mapped as an inclusion in Ozaukee.
Dickinson	87A0	55IL-111-001	87A	Disco. Mapped as an inclusion in Dickinson.
Dickinson	87C1	55IL-111-002	87B	Dickinson
Dickinson	87B1	55IL-111-003	87B	Sparta. Mapped as inclusion in Dickinson.

**Notes to Accompany the
Classification and Correlation
of the Soils of
McHenry County, Illinois
Prepared by Dale E. Calsyn
Reviewed and edited by Asghar A. Chowdhery**

Series	Correlation Notes
Ashkum	Previously correlated for the 1965 SOIL REPORT #81, McHenry County Soils. Also, areas of Drummer mapped in the Yorkville till member were correlated to Ashkum with this update.
Beecher	Previously correlated for SOIL REPORT #81.
Bowes	Some areas which were previously mapped Harvard in SOIL REPORT #81 in specific geologic members were found to have sandy and gravelly deposits between a depth of 40 and 60 inches.
Brenton	Previously correlated for SOIL REPORT #81.
Camden	Previously correlated for SOIL REPORT #81.
Caprell	Was previously mapped Miami primarily in the Capron till member and in the Belvidere till member north of the Kishwaukee River, and also mapped Russell on slopes greater than 4 percent in SOIL REPORT #81. These areas were found to be well drained and have less than 20 inches of silty material over the glacial till. This series is established with this correlation. OSD type location.
Casco	Previously correlated for SOIL REPORT #81.
Comfrey	Was previously mapped Otter in the SOIL REPORT #81. Areas were found to be dominantly fine-loamy rather than fine-silty.
Dakota	Previously correlated for SOIL REPORT #81 under the name Volinia.
Danabrook	Was previously mapped Saybrook in SOIL REPORT #81, specifically in the Belvidere till member south of the Kishwaukee River. Glacial till has moderately slow permeability. Lower part of the series control section averages 15 to 20 percent clay. This series is established with this correlation. OSD type location is in DeKalb County.

McHenry County, Illinois (continued)

Series	Correlation Notes
Dickinson	Previously correlated for SOIL REPORT #81. Also, Lomax and Onarga series were correlated to Dickinson with this update. The soils in map unit 87B2 are taxadjuncts to the Dickinson series as they do not have mollic epipedons. The taxadjuncts classify as coarse-loamy, mixed, mesic Umbric Dystrochrepts.
Dresden	Previously correlated for SOIL REPORT #81.
Drummer	Previously correlated for SOIL REPORT #81.
Dunham	Some areas which were previously mapped Drummer in SOIL REPORT #81 in specific geologic members were found to have sandy and gravelly deposits between a depth of 40 and 60 inches. This series is established with this correlation. OSD type location.
Elburn	Previously correlated for SOIL REPORT #81.
Elliott	Previously correlated for SOIL REPORT #81. Areas of the Lisbon series in the Yorkville till member were also correlated to Elliott with this update.
Fox	Previously correlated for SOIL REPORT #81. Some pedons have LCOS, or LS in the 3C horizon which is is not defined in the typical pedon.
Geryune	Was previously mapped Dana and Sidell in SOIL REPORT #81, primarily in the Capron till member and in the Belvidere till member north of the Kishwaukee River. These areas have a bulk density of less than 1.70 g/cm ³ in the C horizon with moderate permeability. This series is established with this correlation. OSD type location in Boone County.
Griswold	Previously correlated for SOIL REPORT #81. The soils in map unit 363D2 are taxadjuncts to the Griswold series as they do not have mollic epipedons. The taxadjuncts classify as fine-loamy, mixed, mesic Mollic Hapludalfs. OSD type location.
Grundelein	Some areas which were previously mapped Brenton in in SOIL REPORT # 81 in specific geologic members were found to have sandy and gravelly deposits between a depth of 40 and 60 inches. This series is established with this correlation. OSD type location.

McHenry County, Illinois (Continued)

Series	Correlation Notes
Harpster	Previously correlated for SOIL REPORT #81.
Harvard	Previously correlated for SOIL REPORT #81.
Herbert	Previously correlated for SOIL REPORT #81.
Hoopeston	Previously correlated for SOIL REPORT #81. Ridgeville series was also correlated to Hoopeston with this update.
Hooppole	Previously was mapped Canisteo in SOIL REPORT #81. Areas were found to be formed in loamy outwash over sandy outwash rather than formed entirely in glacial till.
Houghton	Previously correlated for SOIL REPORT #81.
Kane	Previously correlated for SOIL REPORT #81. OSD type location.
Kidami	Was previously mapped Miami in SOIL REPORT #81, specifically in the Tiskilwa till member and in the Belvidere till member south of the Kishwaukee River. The C horizon is not a dense layer as is the case with Miami. This series is established with this correlation. OSD type location.
Kidder	Previously correlated for SOIL REPORT #81.
Kish	Was previously mapped Canisteo in SOIL REPORT #81. Areas were found to be developed in loamy outwash rather than till. This series is established with this correlation. OSD type location.
La Rose	Previously correlated for SOIL REPORT #81. Mollic epipedon is generally less than 10 inches thick, but it does meet one-third of the solum thickness.
Lahoguess	Was previously mapped La Hogue in SOIL REPORT #81. These areas were found to have sandy outwash between a depth of 40 and 60 inches. This series is established with this correlation. OSD type location.

McHenry County, Illinois (continued)

Series	Correlation Notes
Lena	Previously correlated for SOIL REPORT #81.
Lisbon	Previously correlated for SOIL REPORT #81.
Lismod	Was previously mapped Lisbon in SOIL REPORT #81, specifically in the Capron till member and in the Belvidere till member north of the Kishwaukee River. These areas have a bulk density of less than 1.70 g/cm ³ in the C horizon with moderate permeability. This series is established with this correlation. OSD type location in Boone County, IL.
Lorenzo	Previously correlated for SOIL REPORT #81. In the map units 318C2 and 318D2 the mollic epipedon is generally less than 10 inches thick, but it does meet one-third of the solum thickness.
Martinsville	Was previously mapped Alvin in SOIL REPORT #81. These areas were found to be primarily fine-loamy rather coarse-loamy.
Martinton	Was identified on original field sheets, but was then correlated to Brenton for SOIL REPORT #81. Will keep those areas as Martinton with this update.
McHenry	Previously correlated for SOIL REPORT #81. OSD type location.
Millbrook	Previously correlated for SOIL REPORT #81.
Millington	Previously correlated for SOIL REPORT #81.
Millstream	Some areas which were mapped Millbrook in SOIL REPORT #81 and are in specific geologic members were found to have sandy and gravelly deposits between a depth of 40 and 60 inches. This series is established with this correlation. OSD type location.
Nappanee	Previously correlated for SOIL REPORT #81 under the name Eylar.
Octagon	Was previously mapped Montmorenci in SOIL REPORT #81. These areas were found to fit an oxyaquic subgroup rather than an aquic subgroup.

McHenry County, Illinois (continued)

Series	Correlation Notes
Ozaukee	Was previously mapped Morley in SOIL REPORT #81. These areas were found to average less than 15 percent sand and greater than 50 percent silt in the lower half of the series control section.
Palms	This soil was correlated to Houghton in SOIL REPORT #81. Original field sheets had various phases of Houghton separated. This particular phase fit the Palms series.
Parmod	Majority of this series is in Boone County. Was originally mapped Parr, but areas were found to be well drained and the bulk density is less than 1.70 g/cm ³ in the C horizon with moderate permeability. This series is established with this correlation. The soils in map unit 636C2 are taxadjuncts to the Parmod series as they do not have mollic epipedons. The taxadjuncts classify as fine loamy, mixed, mesic Mollic Hapludalfs. OSD type location in Lee County, IL.
<i>Dropped Amend. 1. 8/97</i>	
Parr	Previously was mapped Saybrook in SOIL REPORT #81, specifically the Tiskilwa till member. These areas were found to have less than 20 inches of silty material over glacial till. The soils in map unit 221C2 are taxadjuncts to the Parr series as they do not have mollic epipedons. The taxadjuncts classify as fine-loamy, mixed, mesic Oxyaquic Hapludalfs.
Pella	Areas which were previously mapped Drummer in SOIL REPORT #81 and were on moraines and till plains in specific geologic members were found to be less than 40 inches to outwash and carbonates.
Peotone	Previously correlated for SOIL REPORT #81.
Piscasaw	Was previously mapped Russell and Xenia on 2 to 4 percent slopes in SOIL REPORT #81, primarily in the Capron till member and in the Belvidere till member north of the Kishwaukee River. These areas were found to have a bulk density of less than 1.70 g/cm ³ in the C horizon. This series is established with this correlation. OSD type location was initially proposed as Chemung. That name was the name of an inactive series name from New York state so the name change to Piscasaw.

McHenry County, Illinois (continued)

Series	Correlation Notes
Proctor	Previously correlated for SOIL REPORT #81.
Ringwood	Previously correlated for SOIL REPORT #81. OSD type location.
Rockton	Was previously mapped Plattville in SOIL REPORT #81. Depth to lithic contact was found to be 20 to 40 inches rather than 40 to 60 inches.
Rodman	Previously correlated for SOIL REPORT #81.
Rush	Some areas which were previously mapped Camden in SOIL REPORT #81 in specific geologic members, were found to have sandy and gravelly deposits between a depth of 40 and 60 inches.
Selmass	Was previously mapped Selma in SOIL REPORT #81. These areas were found to have sandy outwash between a depth of 40 and 60 inches. This series is established with this correlation. OSD type location.
Senachwine	Was previously mapped Strawn in SOIL REPORT #81, primarily located in the Tiskilwa till member. Solum thickness of these areas was found to be dominantly greater than 24 inches, and the permeability of the lower part of the series control section is moderately slow.
Thorp	Previously correlated for SOIL REPORT #81. Knight series was also correlated to Thorp with this update.
Torox	Was previously mapped Toronto and Xenia on 0 to 2 percent slopes in SOIL REPORT #81, primarily located in Capron till member and in the Belvidere till member north of the Kishwaukee River. These areas have a bulk density of less than 1.70 g/cm ³ in the C horizon, and generally do not meet the requirements for mollic intergrade. This series is established with this correlation. OSD type location.
Troxel	Previously correlated for SOIL REPORT #81. OSD type location.

McHenry County, Illinois (continued)

Series	Correlation Notes
Varna	Previously correlated for SOIL REPORT #81. Also, areas of Saybrook in the Yorkville till member were correlated to Varna with this update. The soils in map units 223C2 and 223D2 are taxadjuncts to the Varna series as they do not have mollic epipedons. The taxadjuncts classify as fine, illitic, mesic Oxyaquic Hapludalfs.
Virgil	Previously correlated for SOIL REPORT #81.
Warsaw	Previously correlated for SOIL REPORT #81. The soils in map units 290C2 are taxadjuncts to the Warsaw series as they do not have mollic epipedons. The taxadjuncts classify as fine-loamy over sandy or sandy-skeletal, mixed, mesic Mollic Hapludalfs.
Waupecan	Some areas which were previously mapped Proctor in SOIL REPORT #81 in specific geologic members were found to have sandy and gravelly deposits between a depth of 40 and 60 inches.
Will	Previously correlated for SOIL REPORT #81.
Windere	Was previously mapped Wingate in SOIL REPORT #81, primarily located in the Capron till member and in the Belvidere till member north of the Kishwaukee River. These areas have a bulk density of less than 1.70 g/cm ³ in the C horizon. This series is established with this correlation. OSD type location.

**PRIME FARMLAND
MCHENRY COUNTY, ILLINOIS
January 1997**

Map Symbol	Prime Farm- land Code	Soil Map Unit Name
59A	1	LISBON SILT LOAM, 0 TO 2 PERCENT SLOPES
59B	1	LISBON SILT LOAM, 2 TO 4 PERCENT SLOPES
60C2	1	LA ROSE LOAM, 5 TO 10 PERCENT SLOPES, ERODED
62A	2	HERBERT SILT LOAM, 0 TO 2 PERCENT SLOPES
67A	2	HARPSTER SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
87A	1	DICKINSON SANDY LOAM, 0 TO 2 PERCENT SLOPES
87B	1	DICKINSON SANDY LOAM, 2 TO 5 PERCENT SLOPES
87B2	1	DICKINSON SANDY LOAM, 2 TO 5 PERCENT SLOPES, ERODED
104A	2	VIRGIL SILT LOAM, 0 TO 2 PERCENT SLOPES
134A	1	CAMDEN SILT LOAM, 0 TO 2 PERCENT SLOPES
134B	1	CAMDEN SILT LOAM, 2 TO 5 PERCENT SLOPES
146A	1	ELLIOTT SILT LOAM, 0 TO 2 PERCENT SLOPES
146B	1	ELLIOTT SILT LOAM, 2 TO 4 PERCENT SLOPES
148A	1	PROCTOR SILT LOAM, 0 TO 2 PERCENT SLOPES
148B	1	PROCTOR SILT LOAM, 2 TO 5 PERCENT SLOPES
149A	1	BRENTON SILT LOAM, 0 TO 2 PERCENT SLOPES
152A	2	DRUMMER SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
153A	2	PELLA SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
153A+	2	PELLA SILT LOAM, 0 TO 2 PERCENT SLOPES, OVERWASH
172A	1	HOOPESTON SANDY LOAM, 0 TO 2 PERCENT SLOPES
189A	1	MARTINTON SILT LOAM, 0 TO 2 PERCENT SLOPES
197A	1	TROXEL SILT LOAM, 0 TO 2 PERCENT SLOPES
198A	1	ELBURN SILT LOAM, 0 TO 2 PERCENT SLOPES
206A	2	THORP SILT LOAM, 0 TO 2 PERCENT SLOPES
219A	X ²	MILLBROOK SILT LOAM, 0 TO 2 PERCENT SLOPES
221B	1	PARR SILT LOAM, 2 TO 5 PERCENT SLOPES
223B	1	VARNA SILT LOAM, 2 TO 4 PERCENT SLOPES
223C2	1	VARNA SILT LOAM, 4 TO 6 PERCENT SLOPES, ERODED
228B	1	NAPPANEE SILT LOAM, 2 TO 4 PERCENT SLOPES
232A	2	ASHKUM SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
290A	1	WARSAW LOAM, 0 TO 2 PERCENT SLOPES
290B	1	WARSAW LOAM, 2 TO 4 PERCENT SLOPES
290C2	1	WARSAW LOAM, 4 TO 6 PERCENT SLOPES, ERODED
297A	1	RINGWOOD SILT LOAM, 0 TO 2 PERCENT SLOPES
297B	1	RINGWOOD SILT LOAM, 2 TO 4 PERCENT SLOPES
298B	1	BEECHER SILT LOAM, 2 TO 4 PERCENT SLOPES
310B	1	MCHENRY SILT LOAM, 2 TO 4 PERCENT SLOPES
325A	1	DRESDEN SILT LOAM, 0 TO 2 PERCENT SLOPES
325B	1	DRESDEN SILT LOAM, 2 TO 4 PERCENT SLOPES

PRIME FARMLAND -- MCHENRY COUNTY, ILLINOIS (Continued)

Map Symbol	Prime Farm- land Code	Soil Map Unit Name
327A	1	FOX SILT LOAM, 0 TO 2 PERCENT SLOPES
327B	1	FOX SILT LOAM, 2 TO 4 PERCENT SLOPES
327C2	1	FOX SILT LOAM, 4 TO 6 PERCENT SLOPES, ERODED
329A	2	WILL LOAM, 0 TO 2 PERCENT SLOPES
330A	2	PEOTONE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
343A	1	KANE SILT LOAM, 0 TO 2 PERCENT SLOPES
344A	1	HARVARD SILT LOAM, 0 TO 2 PERCENT SLOPES
344B	1	HARVARD SILT LOAM, 2 TO 5 PERCENT SLOPES
361B	1	KIDDER LOAM, 2 TO 4 PERCENT SLOPES
361C	1	KIDDER LOAM, 4 TO 6 PERCENT SLOPES
361C2	1	KIDDER LOAM, 4 TO 6 PERCENT SLOPES, ERODED
361C3	1	KIDDER CLAY LOAM, 4 TO 6 PERCENT SLOPES, SEVERELY ERODED
363B	1	GRISWOLD LOAM, 2 TO 4 PERCENT SLOPES
363C2	1	GRISWOLD LOAM, 4 TO 6 PERCENT SLOPES, ERODED
369A	1	WAUPECAN SILT LOAM, 0 TO 2 PERCENT SLOPES
369B	1	WAUPECAN SILT LOAM, 2 TO 4 PERCENT SLOPES
379A	1	DAKOTA LOAM, 0 TO 2 PERCENT SLOPES
379B	1	DAKOTA LOAM, 2 TO 4 PERCENT SLOPES
488A	2	HOOPPOLE LOAM, 0 TO 2 PERCENT SLOPES
503B	1	ROCKTON SILT LOAM, 2 TO 6 PERCENT SLOPES
512A	1	DANABROOK SILT LOAM, 0 TO 2 PERCENT SLOPES
512B	1	DANABROOK SILT LOAM, 2 TO 5 PERCENT SLOPES
523A	2	DUNHAM SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
526A	1	GRUNDELEIN SILT LOAM, 0 TO 2 PERCENT SLOPES
527B	1	KIDAMI SILT LOAM, 2 TO 4 PERCENT SLOPES
527C	1	KIDAMI SILT LOAM, 4 TO 6 PERCENT SLOPES
527C2	1	KIDAMI LOAM, 4 TO 6 PERCENT SLOPES, ERODED
528A	1	LAHOUESS LOAM, 0 TO 2 PERCENT SLOPES
529A	2	SELMASS LOAM, 0 TO 2 PERCENT SLOPES
530B	1	OZAUKEE SILT LOAM, 2 TO 4 PERCENT SLOPES
543B	1	PISCASAW SILT LOAM, 2 TO 4 PERCENT SLOPES
544A	1	TOROX SILT LOAM, 0 TO 2 PERCENT SLOPES
545A	1	WINDERE SILT LOAM, 0 TO 2 PERCENT SLOPES
545B	1	WINDERE SILT LOAM, 2 TO 4 PERCENT SLOPES
557A	1	MILLSTREAM SILT LOAM, 0 TO 2 PERCENT SLOPES
570A	1	MARTINSVILLE SILT LOAM, 0 TO 2 PERCENT SLOPES
570B	1	MARTINSVILLE SILT LOAM, 2 TO 4 PERCENT SLOPES
570C2	1	MARTINSVILLE SILT LOAM, 4 TO 6 PERCENT SLOPES, ERODED
624B	1	CAPRELL SILT LOAM, 2 TO 4 PERCENT SLOPES
624C2	1	CAPRELL SILT LOAM, 4 TO 6 PERCENT SLOPES, ERODED

PRIME FARMLAND -- MCHENRY COUNTY, ILLINOIS (Continued)

Map Symbol	Prime Farm- land Code	Soil Map Unit Name
625A	1	GERYUNE SILT LOAM, 0 TO 2 PERCENT SLOPES
625B	1	GERYUNE SILT LOAM, 2 TO 5 PERCENT SLOPES
626A	2	KISH LOAM, 0 TO 2 PERCENT SLOPES
635A	1	LISMOD SILT LOAM, 0 TO 2 PERCENT SLOPES
635B	1	LISMOD SILT LOAM, 2 TO 4 PERCENT SLOPES
636B	1	PARMOD SILT LOAM, 2 TO 5 PERCENT SLOPES
636C2	1	PARMOD SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
656B	1	OCTAGON SILT LOAM, 2 TO 4 PERCENT SLOPES
656C2	1	OCTAGON SILT LOAM, 4 TO 6 PERCENT SLOPES, ERODED
791A	1	RUSH SILT LOAM, 0 TO 2 PERCENT SLOPES
791B	1	RUSH SILT LOAM, 2 TO 4 PERCENT SLOPES
791C2	1	RUSH SILT LOAM, 4 TO 6 PERCENT SLOPES, ERODED
792A	1	BOWES SILT LOAM, 0 TO 2 PERCENT SLOPES
792B	1	BOWES SILT LOAM, 2 TO 4 PERCENT SLOPES
8082A	2	MILLINGTON SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED
8776A	2	COMFREY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED

Drained
Area
8/97

Prime Farmland Code	Description
1	All areas are prime farmland.
2	Only drained areas are prime farmland.

**CLASSIFICATION OF THE SOILS
MCHENRY COUNTY, ILLINOIS**

Soil Name	Family or higher taxonomic class
ASHKUM	TYPIC ENDOAQUOLLS, FINE, MIXED, MESIC
BEECHER	UDOLLIC EPIAQUALFS, FINE, ILLITIC, MESIC
BOWES	MOLLIC HAPLUDALFS, FINE-SILTY, MIXED, MESIC
BRENTON	AQUIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
CAMDEN	TYPIC HAPLUDALFS, FINE-SILTY, MIXED, MESIC
CAPRELL	TYPIC HAPLUDALFS, FINE-LOAMY, MIXED, MESIC
CASCO	TYPIC HAPLUDALFS, FINE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC
COMFREY	CUMULIC ENDOAQUOLLS, FINE-LOAMY, MIXED, MESIC
DAKOTA	TYPIC ARGIUDOLLS, FINE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC
DANABROOK	OXYAQUIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
*DICKINSON	TYPIC HAPLUDOLLS, COARSE-LOAMY, MIXED, MESIC
DRESDEN	MOLLIC HAPLUDALFS, FINE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC
DRUMMER	TYPIC ENDOAQUOLLS, FINE-SILTY, MIXED, MESIC
DUNHAM	TYPIC ENDOAQUOLLS, FINE-SILTY, MIXED, MESIC
ELBURN	AQUIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
ELLIOTT	AQUIC ARGIUDOLLS, FINE, ILLITIC, MESIC
FOX	TYPIC HAPLUDALFS, FINE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC
GERYUNE	OXYAQUIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
*GRISWOLD	TYPIC ARGIUDOLLS, FINE-LOAMY, MIXED, MESIC
GRUNDELEIN	AQUIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
HARPSTER	TYPIC CALCIAQUOLLS, FINE-SILTY, MESIC
HARVARD	MOLLIC HAPLUDALFS, FINE-SILTY, MIXED, MESIC
HERBERT	AERIC ENDOAQUALFS → FINE-SILTY, MIXED, MESIC
HOOPESTON	AQUIC HAPLUDOLLS, COARSE-LOAMY, MIXED, MESIC
HOOPPOLE	TYPIC ENDOAQUOLLS, FINE-LOAMY, MIXED, (CALCAREOUS), MESIC
HOUGHTON	TYPIC MEDISAPRISTS, EUIC, MESIC
KANE	AQUIC ARGIUDOLLS, FINE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC
KIDAMI	OXYAQUIC HAPLUDALFS, FINE-LOAMY, MIXED, MESIC
KIDDER	TYPIC HAPLUDALFS, FINE-LOAMY, MIXED, MESIC
KISH	TYPIC ENDOAQUOLLS, FINE-LOAMY, MIXED, (CALCAREOUS), MESIC
LA ROSE	TYPIC ARGIUDOLLS, FINE-LOAMY, MIXED, MESIC
LAHOUESS	AQUIC ARGIUDOLLS, FINE-LOAMY, MIXED, MESIC
LENA	TYPIC MEDISAPRISTS, EUIC, MESIC
LISBON	AQUIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
LISMUD	AQUIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
LORENZO	TYPIC ARGIUDOLLS, FINE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC

*Udolic
Epiqualfs*

CLASSIFICATION OF THE SOILS
MCHENRY COUNTY, ILLINOIS (continued)

Soil Name	Family or higher taxonomic class
MARTINSVILLE	TYPIC HAPLUDALFS, FINE-LOAMY, MIXED, MESIC
MARTINTON	AQUIC ARGIUDOLLS, FINE, ILLITIC, MESIC
MCHENRY	TYPIC HAPLUDALFS, FINE-LOAMY, MIXED, MESIC
MILLBROOK	UDOLLC ENDOAQUALFS, FINE-SILTY, MIXED, MESIC
MILLINGTON	CUMULIC ENDOAQUOLLS, FINE-LOAMY, MIXED (CALCAREOUS), MESIC
MILLSTREAM	AQUOLLC HAPLUDALFS, FINE-SILTY, MIXED, MESIC
NAPPANEE	AERIC EPIAQUALFS, FINE, ILLITIC, MESIC
OCTAGON	OXYAQUIC HAPLUDALFS, FINE-LOAMY, MIXED, MESIC
ORTHENTS, LOAMY	TYPIC UDORTHENTS, FINE-LOAMY, MIXED, MESIC
OZAUKEE	OXYAQUIC HAPLUDALFS, FINE, MIXED, MESIC
PALMS	TERRIC MEDISAPRISTS, LOAMY, MIXED, EUIC, MESIC
*PARMOD	TYPIC ARGIUDOLLS, FINE-LOAMY, MIXED, MESIC
*PARR	OXYAQUIC ARGIUDOLLS, FINE-LOAMY, MIXED, MESIC
PELLA	TYPIC ENDOAQUOLLS, FINE-SILTY, MIXED, MESIC
PEOTONE	VERTIC ENDOAQUOLLS, FINE, SMECTITIC, MESIC
PISCASAW	TYPIC HAPLUDALFS, FINE-SILTY, MIXED, MESIC
PROCTOR	TYPIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
RINGWOOD	TYPIC ARGIUDOLLS, FINE-LOAMY, MIXED, MESIC
ROCKTON	TYPIC ARGIUDOLLS, FINE-LOAMY, MIXED, MESIC
RODMAN	TYPIC HAPLUDOLLS, SANDY-SKELETAL, MIXED, MESIC
RUSH	TYPIC HAPLUDALFS, FINE-SILTY, MIXED, MESIC
SELMASS	TYPIC ENDOAQUOLLS, FINE-LOAMY, MIXED, MESIC
SENACHWINE	TYPIC HAPLUDALFS, FINE-LOAMY, MIXED, MESIC
THORP	ARGIAQUIC ARGIALBOLLS, FINE-SILTY, MIXED, MESIC
TOROX	AQUIC HAPLUDALFS, FINE-SILTY, MIXED, MESIC
TROXEL	PACHIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
*VARNA	OXYAQUIC ARGIUDOLLS, FINE, ILLITIC, MESIC
VIRGIL	UDOLLC ENDOAQUALFS, FINE-SILTY, MIXED, MESIC
*WARSAW	TYPIC ARGIUDOLLS, FINE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC
WAUPECAN	TYPIC ARGIUDOLLS, FINE-SILTY, MIXED, MESIC
WILL	TYPIC ENDOAQUOLLS, FINE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC
WINDERE	OXYAQUIC HAPLUDALFS, FINE-SILTY, MIXED, MESIC

(An asterisk in the first column indicates that only some map units are taxadjuncts to the series. See text for a description of those characteristics of the soil that are outside the range of the series)

CERTIFICATION STATEMENT

The Soil Survey Area 11 Team Leader certifies that:

- a. The fieldwork activities were completed in April, 1995.
- b. McHenry County joins the following survey areas:

Boone County to the west (modern soil survey), published 1980
DeKalb County to the south (soil survey update in progress)
Kane and Cook Counties to the south, both published in 1979
Lake County to the east, published in 1970
Kenosha and Walworth Counties (Wisconsin) to the north, published
respectively in 1970 and 1971.

The joining has been checked for the detailed soil maps and a perfect join with these adjacent counties has been completed within geographic area of the recompiled orthoquarter quads. Detailed soil maps join within the survey area.

- c. Interpretations have been coordinated and agree with adjoining survey areas.
- d. The locations of all typical pedons in the survey area are correct and are within delineations that have the referenced name in the MLRA 95B and the adjoining MLRA 108. The locations have been checked by the project leader and his staff.
- e. All typical pedons are classified according to *Soil Taxonomy Key, 6th edition, Amendment 17*.
- f. The soil maps are complete, accurate, and consistent.

Approval Signature and Date.

Travis Neely 3/5/97
Travis Neely Date
Soil Survey Area 11 Team Leader
Natural Resources Conservation
Service, USDA
Indianapolis, IN

William J. Gradle 3-14-97
William J. Gradle Date
State Conservationist
Natural Resources Conservation
Service, USDA
Champaign, IL

