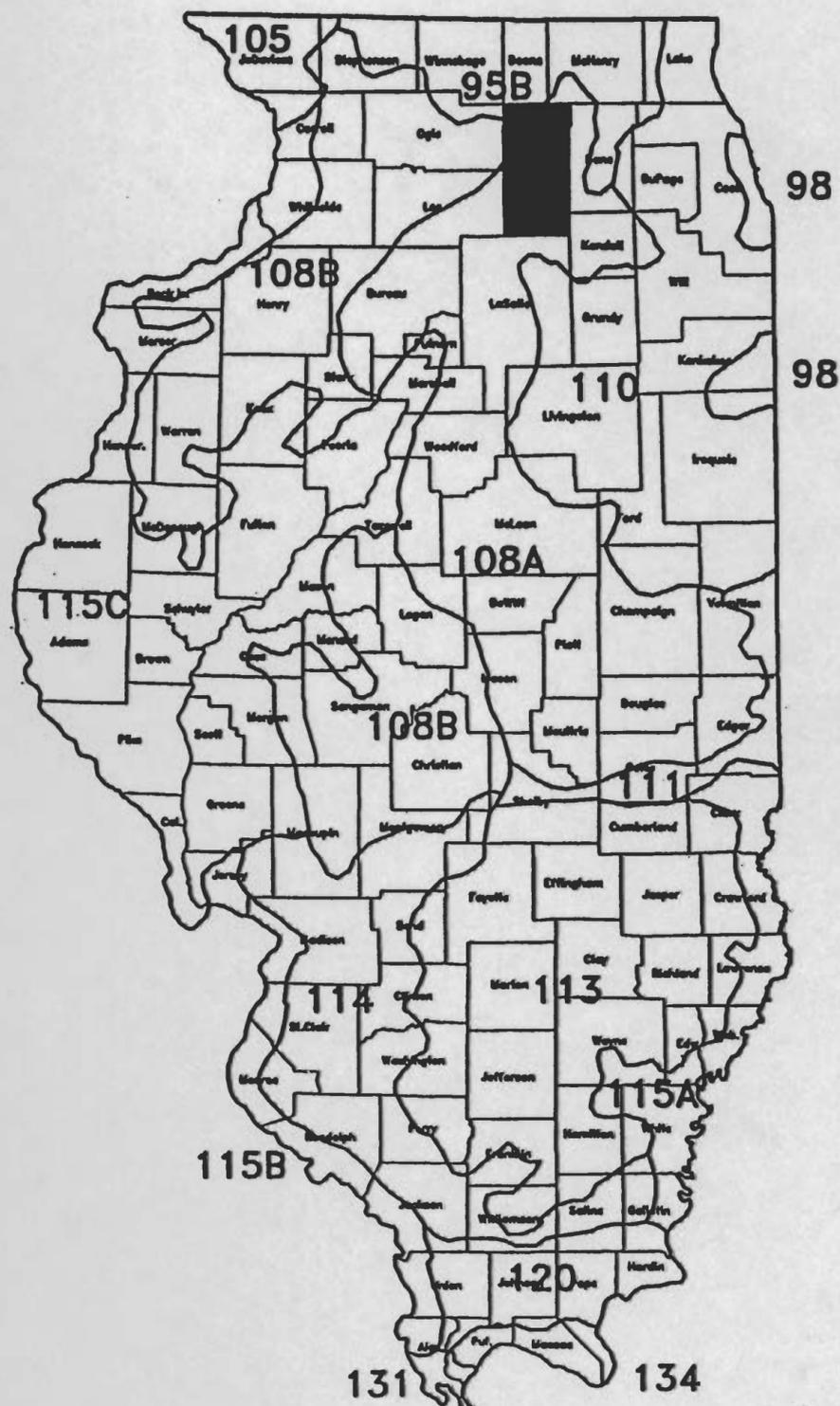


United States
Department of
Agriculture

Natural Resources
Conservation Service

East Central Glaciated
Regional MLRA
Soil Survey Office
Indianapolis, IN

Classification and Correlation of Soils in DeKalb County, Illinois



September, 1998

The United States Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs and marital or familial status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-2791. To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250 or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

CLASSIFICATION AND CORRELATION
OF THE SOILS OF
DEKALB COUNTY, ILLINOIS

A SUBSET OF MLRAs 95B AND 108

AUGUST 1998

This correlation was prepared by Asghar A. Chowdhery, Soil Data Quality Specialist (SDQS) MLRA Region 11 team, Indianapolis, IN; Dale E. Calsyn, MLRA team leader, Naperville, IL; and Jeffrey A. Deniger, DeKalb County soil survey project leader, Naperville, IL. It was prepared as part of the update of the Soil Survey of DeKalb County, a subset of MLRAs 95B and 108. A progress field review was held August 12-14, 1997. This correlation is based on decisions arrived at the progress review, transect data, field notes, pedon descriptions, laboratory data, field soil maps, descriptive legend, "Classification and Correlation of the Soils of DeKalb County, Illinois" - June 1973, and the published soil survey report - May 1978.

HEADNOTE FOR DETAILED SOIL SURVEY LEGEND:

This update of DeKalb County, Illinois is an update subset of the Soil Survey of Major Land Resource Areas (MLRAs) 95B and 108. 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.

**SOIL CORRELATION OF
DEKALB COUNTY, ILLINOIS
AUGUST 1998**

Field symbols	Field map unit name	Publication symbol	Approved map unit name
41	Muscatine silt loam	51A	Muscatine silt loam, 0 to 2 percent slopes
59, V59, V293	Lisbon silt loam	59A	Lisbon silt loam, 0 to 2 percent slopes
60C2, V60C2	La Rose silt loam, 4 to 7 percent slopes, eroded	60C2	La Rose silt loam, 5 to 10 percent slopes, eroded
60D2, 57D2, 57D3, 60D3, 656D2, V57D2, V57D3, V60D2, V60D3	La Rose silt loam, 7 to 12 percent slopes, eroded	60D2	La Rose silt loam, 10 to 18 percent slopes, eroded
62, V62, V502, V593	Herbert silt loam	62A	Herbert silt loam, 0 to 2 percent slopes
67, 717	Harpster silty clay loam	67A	Harpster silty clay loam, 0 to 2 percent slopes
68	Sable silty clay loam	68A	Sable silty clay loam, 0 to 2 percent slopes
103, 97, 103C, 210, 718	Houghton muck	103A	Houghton muck, 0 to 2 percent slopes
104, 697	Virgil silt loam	104A	Virgil 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
152, 102, 152+, 152A, 300, 609, V300	Drummer silty clay loam	152A	Drummer silty clay loam, 0 to 2 percent slopes

DEKALB COUNTY, ILLINOIS -- Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
154, 226, 376, T149, T219, V149, V226, V376, V376B	Flanagan silt loam	154A	Flanagan silt loam, 0 to 2 percent slopes
171A, 199A, 377A, 381A, 698, 698A, V377, V377A, V381, V381A	Catlin silt loam, 0 to 2 percent slopes	171A	Catlin silt loam, 0 to 2 percent slopes
171B, 199B, 377B, 381B, 698B, V377B, V381B	Catlin silt loam, 2 to 4 percent slopes	171B	Catlin silt loam, 2 to 5 percent slopes
24A, V24A, V27A, V449A	Dodge silt loam, 0 to 2 percent slopes	193A	Mayville silt loam, 0 to 2 percent slopes
24B, V24B, V193B	Dodge silt loam, 2 to 4 percent slopes	193B	Mayville silt loam, 2 to 5 percent slopes
24C2, 134C2, 243C2, V24C2	Dodge silt loam, 4 to 7 percent slopes, eroded	193C2	Mayville silt loam, 5 to 10 percent slopes, eroded
198, 149, 442	Elburn silt loam	198A	Elburn silt loam, 0 to 2 percent slopes
191, 206	Knight silt loam	206A	Thorp silt loam, 0 to 2 percent slopes
219, 219A	Millbrook silt loam	219A	Millbrook silt loam, 0 to 2 percent slopes
60B, 57B, V57B, V60B	La Rose silt loam, 2 to 4 percent slopes	221B2	Parr silt loam, 2 to 5 percent slopes, eroded
57C2, V57C2	Montmorenci silt loam, 4 to 7 percent slopes, eroded	221C2	Parr silt loam, 5 to 10 percent slopes, eroded
243A	St. Charles silt loam, 0 to 2 percent slopes	233A	Birkbeck silt loam, 0 to 2 percent slopes

DEKALB COUNTY, ILLINOIS -- Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
243B, 383B, V383B	St. Charles silt loam, 2 to 4 percent slopes	233B	Birkbeck silt loam, 2 to 5 percent slopes
242, 132, T132, V384	Kendall silt loam	236A	Sabina silt loam, 0 to 2 percent slopes
318D2, 93D, 93D2, 93E2, 93F, 325D2	Lorenzo loam, 6 to 15 percent slopes, eroded	318D2	Lorenzo loam, 6 to 12 percent slopes, eroded
325B, 290A	Dresden silt loam, 2 to 4 percent slopes	325B	Dreseden silt loam, 2 to 4 percent slopes
325C2, 327C2	Dresden silt loam, 4 to 7 percent slopes, eroded	325C2	Dresden silt loam, 4 to 6 percent slopes, eroded
327B	Fox silt loam, 2 to 4 percent slopes	327B	Fox silt loam, 2 to 4 percent slopes
330, 330H, 479, 538, 710	Peotone silty clay loam	330A	Peotone silty clay loam, 0 to 2 percent slopes
344B	Harvard silt loam, 2 to 4 percent slopes	344B	Harvard silt loam, 2 to 5 percent slopes
348A	Wingate silt loam, 0 to 2 percent slopes	348A	Wingate silt loam, 0 to 2 percent slopes
348B	Wingate silt loam, 2 to 5 percent slopes	348B	Wingate silt loam, 2 to 5 percent slopes
348C2, 394C2	Wingate silt loam, 5 to 10 percent slopes, eroded	348C2	Wingate silt loam, 5 to 10 percent slopes, eroded
356A	Elpaso silty clay loam, 0 to 2 percent slopes	356A	Elpaso silty clay loam, 0 to 2 percent slopes
329, 343, V329	Will clay loam	488A	Hooppole loam, 0 to 2 percent slopes

DEKALB COUNTY, ILLINOIS -- Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
512A, 656A, T148A, T344A, V145A, V450, V450A, V656A	Danabrook silt loam, 0 to 2 percent slopes	512A	Danabrook silt loam, 0 to 2 percent slopes
145B, T148B, T344B, V145B, V450B, V531B, V656B	Saybrook silt loam, 2 to 4 percent slopes	512B	Danabrook silt loam, 2 to 5 percent slopes
145C2, 171C2, 381C2, 698C2, T344C2, V145C2, V381C2, V450C2, V531C2, V656C2, V656D2	Saybrook silt loam, 4 to 7 percent slopes, eroded	512C2	Danabrook silt loam, 5 to 10 percent slopes, eroded
27B, V27B, V194B	Miami silt loam, 2 to 4 percent slopes	527B	Kidami silt loam, 2 to 4 percent slopes
27C2, 224C2, V27C2, V194C2, V449C2	Miami silt loam, 4 to 7 percent slopes, eroded	527C2	Kidami silt loam, 4 to 6 percent slopes, eroded
27D2, 25E2, 25G, 224E2, V25E2, V27D2, V224D2	Miami silt loam, 7 to 12 percent slopes, eroded	527D2	Kidami silt loam, 6 to 12 percent slopes, eroded
656B	Octagon silt loam, 2 to 4 percent slopes	656B	Octagon silt loam, 2 to 4 percent slopes
656C2	Octagon silt loam, 4 to 7 percent slopes, eroded	656C2	Octagon silt loam, 4 to 6 percent slopes, eroded

DEKALB COUNTY, ILLINOIS -- Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
344A	Harvard silt loam, 0 to 2 percent slopes	662A	Barony silt loam, 0 to 2 percent slopes
662B	Barony silt loam, 2 to 5 percent slopes	662B	Barony silt loam, 2 to 5 percent slopes
344C2, 148C2, 344DC, 344D2	Harvard silt loam, 4 to 7 percent slopes, eroded	662C2	Barony silt loam, 5 to 10 percent slopes, eroded
663A	Clare silt loam, 0 to 2 percent slopes	663A	Clare silt loam, 0 to 2 percent slopes
148B	Proctor silt loam, 2 to 4 percent slopes	663B	Clare silt loam, 2 to 5 percent slopes
105A, 105	Batavia silt loam, 0 to 2 percent slopes	667A	Kaneville silt loam, 0 to 2 percent slopes
105B	Batavia silt loam, 2 to 4 percent slopes	667B	Kaneville silt loam, 2 to 5 percent slopes
105C2	Batavia silt loam, 4 to 7 percent slopes, eroded	667C2	Kaneville silt loam, 5 to 10 percent slopes, eroded
134A, 696A	Camden silt loam, 0 to 2 percent slopes	668A	Somonauk silt loam, 0 to 2 percent slopes
134B, 696B	Camden silt loam, 2 to 4 percent slopes	668B	Somonauk silt loam, 2 to 5 percent slopes
791A, 387A	Rush silt loam, 0 to 2 percent slopes	791A	Rush silt loam, 0 to 2 percent slopes
791B, 387B	Rush silt loam, 2 to 4 percent slopes	791B	Rush silt loam, 2 to 4 percent slopes
792A, 394A, 398A	Bowes silt loam, 0 to 2 percent slopes	792A	Bowes silt loam, 0 to 2 percent slopes
792B, 394B, 398B	Bowes silt loam, 2 to 4 percent slopes	792B	Bowes silt loam, 2 to 4 percent slopes

DEKALB COUNTY, ILLINOIS -- Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
392, 399, 533, B. P., M. L.	Cut and fill land	802B	Orthents, loamy, undulating
G.P., L.Q., Quarry	Gravel pits	865	Pits, gravel
V107, 76, 107, 451, 719	Sawmill soils	3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded
3776A	Comfrey loam, 0 to 2 percent slopes, frequently flooded	3776A	Comfrey loam, 0 to 2 percent slopes, frequently flooded
W, S.L., Water	Water	W	Water

Series established by this correlation: Barony, Clare, Kaneville, and Somonauk

Series added to previous correlated legend (June 1973): Barony, Birkbeck, Clare, Comfrey, Danabrook, Elpaso, Fox, Hooppole, Kaneville, Kidami, Mayville, Muscatune, Otter, Parr, Sabina, Somonauk, Thorp, and Wingate

Series dropped from previously correlated legend (June 1973): Batavia, Camden, Dodge, Kendall, Knight, Miami, Muscatine, Plano, Saybrook, St. Charles, Sawmill, Strawn, and Will

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

Prior soil survey publication: The last soil survey of DeKalb County was completed in 1973 and published by the United States Department of Agriculture, Soil Conservation Service in May 1978. It is Illinois Agricultural Experiment Station Soil Report No. ###, "Soil Survey of DeKalb County, Illinois". Reference to the prior soil survey will be included in the literature citation of the manuscript. This survey replaces the 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: DeKalb County, which was published in 1978, joins seven modern day soil surveys. These are Boone, Kane, Kendall, LaSalle, Lee, McHenry, and Ogle Counties in Illinois. An exact join will be completed only with Kane and McHenry Counties, while an acceptable join will be completed with the remaining adjacent counties. Kane County is currently being updated with a projected publication date of 1999. An update project was completed in McHenry County in 1997 with a digital product scheduled to be released in 1998.

Boone County to the north was published in 1980. It was mapped as a joint project with Winnebago County. McHenry County is to the north. Kane County is to the east. Kendall County to the east was published in 1978. LaSalle County to the south was published in 1972. Lee County to the west was published in 1985. Ogle County to the west was published in 1980.

Disposition of field sheets: The camera copies of the 324 original field sheets at a scale of 1:15,840 were scanned and digitized. Digital orthophotos will be overlain by the vector file layers, and adjustments will be made to the digital soils layer on the computer. Publication scale:

is 1:12,000 according to SSURGO standards. Copies of a computer tape of the final digital product will remain at the Illinois NRCS state office, to be certified for SSURGO at NCGC, and be provided to the DeKalb County Board as part of the cost share cooperative agreement.

Instructions for map compilation and map finishing: Map recompilation is scheduled for completion by the Naperville MLRA team in December 1998. Soil vector lines will be adjusted on the computer. Hydrological and conventional and special symbols were recompiled onto mylar at a 1:12,000 scale. These were completed in March 1998 and delivered to the Illinois NRCS state office for digital processing. Symbols for map finishing will be those approved for SSURGO standards and as shown in this document. The Naperville MLRA team and the Illinois NRCS state office GIS staff will complete a final check before delivering the product to NCGC for SSURGO certification.

Conventional and special symbols legend: Only those symbols indicated on the attached NRCS-SOILS-37A will be shown on the legend and placed on the maps.

**DEFINITIONS AND GUIDELINES FOR USE OF
 CONVENTIONAL AND SPECIALS SYMBOLS
 FOR
 DEKALB COUNTY, ILLINOIS
 A SUBSET OF MLRAs 95B AND 108
 Scale - 1:12,000**

<u>DESCRIPTION</u>	<u>LABEL</u>	<u>DEFINITIONS AND GUIDELINES</u>
CULTURAL FEATURES		
Reservation (state parks and county forest preserves)		Label feature with proper name.
Airport	AIRP	Label feature with proper name.
Cemetery	CEME	Show if one acre or larger. Label with the proper name or the word cemetery if the tract is large enough. Label smaller cemeteries with the cross symbol.
Land division corners (section)		Section corners are shown, and section numbers are placed as close to the center of the section as possible.
Trail (bicycle)		Label feature with proper name.
Interstate, Federal, and State		Use appropriate symbols for interstate, federal, and state roads. Other roads will not be labeled.
Railroad		Label with the symbol R.R. within the neatlines to show location of active railroads.
Dams (medium or small)		Delineate to conform to photobase imagery.
Soil sample site	SOIS	The location in the subset of a typical pedon for a taxonomic unit.

<u>DESCRIPTION</u>	<u>LABEL</u>	<u>DEFINITIONS AND GUIDELINES</u>
CULTURAL FEATURES		
HYDROGRAPHIC FEATURES		
Perennial, single line	PSDR	Streams which generally flow water throughout most the year during years of normal rainfall. They are less than 100 feet in width on the landscape or less than 0.10 inch on the atlas sheet.
Intermittent	INDR	Streams or drainageways that are free of water during the driest time of year during years of normal rainfall. They are less than 100 feet in width on the landscape or less than 0.10 inch on the atlas sheet.
Drainage end	DEND	Shows the point where concentrated water flow stops, and there is no channel within 250 feet or more on the landscape or 0.25 inch or more on the atlas sheet.
Perennial drainage ditch	DDIT	Water channels which have been excavated or straightened and that generally flow water throughout most the year during years normal rainfall. They are less 100 feet in width on the landscape or less than 0.10 inch on the atlas sheet.

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

Soil Survey Area: DeKalb County
State: Illinois

Date: August 1998

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL																														
CULTURAL FEATURES		CULTURAL FEATURES (cont.)		SPECIAL SYMBOLS FOR SOIL SURVEY AND SSURGO																															
BOUNDARIES		MISCELLANEOUS CULTURAL FEATURES		<p>‡ SOIL DELINEATIONS AND SOIL SYMBOLS</p>																															
National, state, or province	— — — — —	Farmstead, house (omit in urban areas)	■	‡ LANDFORM FEATURES ESCARPMENTS Bedrock ✓ Other than bedrock ✓ SHORT STEEP SLOPE GULLY ✓ DEPRESSION, closed SINKHOLE																															
✓ County or parish	— — — — —	Church	⊕	‡ EXCAVATIONS PITS Borrow pit ✓ Gravel pit ✓ Mine or quarry LANDFILL																															
Minor civil division	— — — — —	School	⊕	‡ MISCELLANEOUS SURFACE FEATURES Blowout Clay spot ✓ Gravelly spot Lava flow ✓ Marsh or swamp ✓ Rock outcrop (includes sandstone and shale) Saline spot ✓ Sandy spot ✓ Severely eroded spot Slide or slip Soda spot Spoil area Stony spot Very stony spot ✓ Wet spot																															
✓ Reservation (national forest or park, state forest or park)	— — — — —	Other Religion (label)	▲ Mt Carmel	‡ RECOMMENDED AD HOC SOIL SYMBOLS <table border="1"> <thead> <tr> <th>LABEL</th> <th>SYMBOL ID</th> <th>SYMBOL</th> <th>LABEL</th> <th>SYMBOL ID</th> <th>SYMBOL</th> </tr> </thead> <tbody> <tr> <td>---</td> <td>1</td> <td>⊗</td> <td>---</td> <td>23</td> <td>⊕</td> </tr> <tr> <td>---</td> <td>2</td> <td>⊕</td> <td>---</td> <td>24</td> <td>⊕</td> </tr> <tr> <td>---</td> <td>3</td> <td>⊕</td> <td>---</td> <td>25</td> <td>⊕</td> </tr> <tr> <td>---</td> <td>4</td> <td>⊗</td> <td>---</td> <td>26</td> <td>⊕</td> </tr> </tbody> </table>		LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL	---	1	⊗	---	23	⊕	---	2	⊕	---	24	⊕	---	3	⊕	---	25	⊕	---	4	⊗	---	26	⊕
LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL																														
---	1	⊗	---	23	⊕																														
---	2	⊕	---	24	⊕																														
---	3	⊕	---	25	⊕																														
---	4	⊗	---	26	⊕																														
Land grant	— — — — —	Located object (label)	○ Ranger Station																																
Limit of soil survey (label) and/or denied access areas	— — — — —	Tank (label)	● Petroleum																																
✓ Field sheet matchline & neatline	— — — — —	Lookout Tower	⊕																																
Previously Published Survey	— — — — —	Oil and/or Natural Gas Wells	▲																																
OTHER BOUNDARY (label)		Windmill	⊗																																
✓ Airport, airfield		Lighthouse	⊕																																
✓ Cemetery		HYDROGRAPHIC FEATURES*																																	
✓ City/county park		STREAMS																																	
STATE COORDINATE TICK		‡ Perennial, double line																																	
✓ LAND DIVISION CORNERS (section and land grants)		✓ Perennial, single line																																	
✓ GEOGRAPHIC COORDINATE TICK		✓ Intermittent																																	
TRANSPORTATION		✓ Drainage end																																	
Divided roads		DRAINAGE AND IRRIGATION																																	
Other roads		‡ Double line canal (label)																																	
✓ Trail	— — — — —	✓ Perennial drainage and/or irrigation ditch																																	
ROAD EMBLEMS & DESIGNATIONS		Intermittent drainage and/or irrigation ditch																																	
✓ Interstate		SMALL LAKES, PONDS AND RESERVOIRS																																	
✓ Federal		‡ Perennial water	⊕																																
✓ State		‡ Miscellaneous water	⊕																																
County, farm or ranch		Flood pool line																																	
RAILROAD		MISCELLANEOUS WATER FEATURES																																	
POWER TRANSMISSION LINE																																			

LABEL	NAME	DESCRIPTION
BLO	Blowout	A small saucer, cup, or trough-shaped hollow or depression formed by wind erosion, on a pre-existing sand deposit. Typically ___ to ___ acres.
BPI	Borrow pit	An open excavation from which soil and underlying material have been removed, usually for road construction. Typically ___ to ___ acres.
CLA	Clay spot	Surface texture is silty clay or clay. Typically ___ to ___ acres.
✓ DEP	Depression, closed	A shallow, saucer-shaped area slightly lower on the landscape than the surrounding area, but without a natural outlet for surface drainage. Typically <u>0.5 to 2.0</u> acres.
ESB	Escarpment, bedrock	A relatively continuous and steep slope or cliff produced by erosion or faulting breaking the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.
ESO	Escarpment, other	A relatively continuous and steep slope or cliff generally produced by erosion, but can be produced by faulting breaking the continuity of more gently sloping land surfaces. Exposed nonbedrock material is nonsoil or very shallow, poorly developed soil.
✓ GPI	Gravel pit	An open excavation from which soil and underlying material have been removed, and used without crushing, as a source of sand or gravel. Typically <u>0.5 to 2.0</u> acres.
✓ GRA	Gravelly spot	Surface layer has more than 35 percent, by volume, of rock fragments that are mostly less than 3 inches in diameter. Typically <u>0.5 to 2.0</u> acres.
GUL	Gully	A very small channel with steep sides cut by running water and through which water ordinarily runs only after a rain or an ice or snow melt. Generally is an obstacle to wheeled vehicles and is too deep to be obliterated by ordinary tillage.
LDF	Landfill	An area of accumulated waste products of human habitation which can be above or below natural ground level. Typically ___ to ___ acres.
LAV	Lava flow	A solidified body of rock formed from lateral, surficial outpouring of molten lava from a vent or fissure. Often lobate in shape. Typically ___ to ___ acres.
LVS	Levee	An embankment to confine or control water, especially one built along the banks of a river to prevent overflow of lowlands.
✓ MAR	Marsh or swamp	A water saturated, very poorly drained area, intermittently or permanently water-covered. Marsh areas are dominantly covered by sedges, cattails, and rushes. Swamps are dominantly covered by trees or shrubs. Not used in map units where poorly drained or very poorly drained soils are the named components. Typically <u>0.5 to 2.0</u> acres.
✓ MPI	Mine or quarry	An open excavation from which soil and underlying material is removed exposing the bedrock. Also used to denote surface openings to underground mines. Typically <u>0.5 to 2.0</u> acres.
MIS	Miscellaneous water	Small manmade water area used for industrial, sanitary, or mining applications that contain water most of the year. Typically ___ to ___ acres.
WAT	Perennial water	Small natural or manmade lake, pond, or pit that contains water most of the year. Typically ___ to ___ acres.
✓ ROC	Rock outcrop	An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock. Typically <u>0.5 to 2.0</u> acres.
SAL	Saline spot	Surface layer with an electrical conductivity of 8 decisiemens per meter more than the surface layer of the named soils in the surrounding map unit, which has an EC of 4 decisiemens per meter or less. Typically ___ to ___ acres.
✓ SAN	Sandy spot	Surface layer with sand content greater than 75 percent in areas where the surface layer of the named soils of the surrounding map unit have less than about 25 percent sand. Typically <u>0.5 to 2.0</u> acres.
✓ ERO	Severely eroded spot	An area where on the average 75 percent or more of the original surface layer has been lost from accelerated erosion. Typically <u>0.5 to 2.0</u> acres.
SLP	Short, steep slope	Narrow soil area that has slopes that are at least 2 slope classes steeper than the slope class of the surrounding map unit.
SNK	Sinkhole	A closed depression formed either by solution of the surficial rock, or by collapse of underlying caves. Complexes of sinkholes in carbonate-rock terrain are the main components of karst topography. Typically ___ to ___ acres.
SLI	Slide or slip	Prominent landform scars or ridges caused by fairly recent mass movement or descent of earthy material resulting from failure of earth or rock under shear stress along one or several surfaces. Typically ___ to ___ acres.

**CONVERSION LEGEND FOR
DEKALB COUNTY, ILLINOIS
AUGUST 1998**

Field symbol	Publi- cation symbol						
B.P.	802B	V145C2	512C2	W	W	105B	667B
G.P	865	V149	154A	Water	W	105C2	667C2
L.Q.	865	V194B	527B	24A	193A	107	3076A
M.L.	802B	V194C2	527C2	24B	193B	132	236A
Quarry	865	V224D2	527D2	24C2	193C2	134A	668A
S.L.	W	V226	154A	25E2	527D2	134B	668B
T132	236A	V293	59A	25G	527D2	134C2	193C2
T148A	512A	V300	152A	27B	527B	145B	512B
T148B	512B	V329	488A	27C2	527C2	145C2	512C2
T149	154A	V376	154A	27D2	527D2	148A	148A
T219	154A	V376B	154A	41	51A	148B	663B
T344A	512A	V377	171A	57B	221B2	148C2	662C2
T344B	512B	V377A	171A	57C2	221C2	149	198A
T344C2	512C2	V377B	171B	57D2	60D2	152	152A
V24A	193A	V381	171A	57D3	60D2	152+	152A
V24B	193B	V381A	171A	59	59A	152A	152A
V24C2	193C2	V381B	171B	60B	221B2	154	154A
V25E2	527D2	V381C2	512C2	60C2	60C2	191	206A
V27A	193A	V383B	233B	60D2	60D2	171A	171A
V27B	527B	V384	236A	60D3	60D2	171B	171B
V27C2	527C2	V449A	193A	62	62A	171C2	512C2
V27D2	527D2	V449B	193B	67	67A	198	198A
V57B	221B2	V449C2	527C2	68	68A	199A	171A
V57C2	221C2	V450	512A	76	3076A	199B	171B
V57D2	60D2	V450A	512A	93D	318D2	206	206A
V57D3	60D2	V450B	512B	93D2	318D2	210	103A
V59	59A	V450C2	512C2	93E2	318D2	219	219A
V60B	221B2	V502	62A	93F	318D2	219A	219A
V60C2	60C2	V531B	512B	97	103A	224C2	527C2
V60D2	60D2	V531C2	512C2	102	152A	224E2	527D2
V60D3	60D2	V593	62A	103	103A	226	154A
V62	62A	V656A	512A	103C	103A	242	236A
V107	3076A	V656B	512B	104	104A	243A	233A
V145A	512A	V656C2	512C2	105	667A	243B	233B
V145B	512B	V656D2	512C2	105A	667A	243C2	193C2

DeKalb County Conversion Legend (continued)

Field symbol	Publication symbol						
290A	325B	442	198A				
300	152A	451	3076A				
318D2	318D2	479	330A				
325B	325B	533	802B				
325C2	325C2	538	330A				
325D2	318D2	609	152A				
327B	327B	656A	512A				
327C2	325C2	656B	512B				
329	488A	656C2	512C2				
330	330A	656D2	60D2				
330H	330A	662B	662B				
343	488A	663A	663A				
344A	662A	696A	668A				
344B	344B	696B	668B				
344C2	662C2	697	104A				
344DC	662C2	698	171A				
344D2	662C2	698A	171A				
348A	348A	698B	171B				
348B	348B	698C2	512C2				
348C2	348C2	710	330A				
356A	356A	717	67A				
376	154A	718	103A				
377A	171A	719	3076A				
377B	171B	791A	791A				
381A	171A	791B	791B				
381B	171B	792A	792A				
381C2	512C2	792B	792B				
383B	233B	3776A	3776A				
387A	791A						
387B	791B						
392	802B						
394A	792A						
394B	792B						
394C2	348C2						
398A	792A						
398B	792B						
399	802B						

**MLRAs 95B and 108
DEKALB COUNTY SUBSET
ALPHABETICAL IDENTIFICATION LEGEND**

SYMBOL	SOIL NAME
662A	Barony silt loam, 0 to 2 percent slopes
662B	Barony silt loam, 2 to 5 percent slopes
662C2	Barony silt loam, 5 to 10 percent slopes, eroded
233A	Birkbeck silt loam, 0 to 2 percent slopes
233B	Birkbeck silt loam, 2 to 5 percent slopes
792A	Bowes silt loam, 0 to 2 percent slopes
792B	Bowes silt loam, 2 to 4 percent slopes
171A	Catlin silt loam, 0 to 2 percent slopes
171B	Catlin silt loam, 2 to 5 percent slopes
663A	Clare silt loam, 0 to 2 percent slopes
663B	Clare silt loam, 2 to 5 percent slopes
3776A	Comfrey loam, 0 to 2 percent slopes, frequently flooded
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
325B	Dresden silt loam, 2 to 4 percent slopes
325C2	Dresden silt loam, 4 to 6 percent slopes, eroded
152A	Drummer silty clay loam, 0 to 2 percent slopes
198A	Elburn silt loam, 0 to 2 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
67A	Harpster silty clay loam, 0 to 2 percent slopes
344B	Harvard silt loam, 2 to 5 percent slopes
62A	Herbert silt loam, 0 to 2 percent slopes
488A	Hooppole loam, 0 to 2 percent slopes
103A	Houghton muck, 0 to 2 percent slopes
667A	Kaneville silt loam, 0 to 2 percent slopes
667B	Kaneville silt loam, 2 to 5 percent slopes
667C2	Kaneville silt loam, 5 to 10 percent slopes, eroded
527B	Kidami silt loam, 2 to 4 percent slopes
527C2	Kidami silt loam, 4 to 6 percent slopes, eroded
527D2	Kidami silt loam, 6 to 12 percent slopes, eroded
60C2	La Rose silt loam, 5 to 10 percent slopes, eroded
60D2	La Rose silt loam, 10 to 18 percent slopes, eroded
59A	Lisbon silt loam, 0 to 2 percent slopes
318D2	Lorenzo loam, 6 to 12 percent slopes, eroded
193A	Mayville silt loam, 0 to 2 percent slopes
193B	Mayville silt loam, 2 to 5 percent slopes
193C2	Mayville silt loam, 5 to 10 percent slopes, eroded
219A	Millbrook silt loam, 0 to 2 percent slopes

SYMBOL	SOIL NAME
51A	Muscatune silt loam, 0 to 2 percent slopes
656B	Octagon silt loam, 2 to 4 percent slopes
656C2	Octagon silt loam, 4 to 6 percent slopes, eroded
802B	Orthents, loamy, undulating
3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded
221B2	Parr silt loam, 2 to 5 percent slopes, eroded
221C2	Parr silt loam, 5 to 10 percent slopes, eroded
330A	Peotone silty clay loam, 0 to 2 percent slopes
865	Pits, gravel
148A	Proctor 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
236A	Sabina silt loam, 0 to 2 percent slopes
68A	Sable silty clay loam, 0 to 2 percent slopes
668A	Somonauk silt loam, 0 to 2 percent slopes
668B	Somonauk silt loam, 2 to 5 percent slopes
206A	Thorp silt loam, 0 to 2 percent slopes
104A	Virgil silt loam, 0 to 2 percent slopes
348A	Wingate silt loam, 0 to 2 percent slopes
348B	Wingate silt loam, 2 to 5 percent slopes
348C2	Wingate silt loam, 5 to 10 percent slopes, eroded

**MLRAs 95B and 108
DEKALB COUNTY SUBSET
NUMERICAL IDENTIFICATION LEGEND**

SYMBOL	SOIL NAME
51A	Muscataune silt loam, 0 to 2 percent slopes
59A	Lisbon silt loam, 0 to 2 percent slopes
60C2	La Rose silt loam, 5 to 10 percent slopes, eroded
60D2	La Rose silt loam, 10 to 18 percent slopes, eroded
62A	Herbert silt loam, 0 to 2 percent slopes
67A	Harpster silty clay loam, 0 to 2 percent slopes
68A	Sable silty clay loam, 0 to 2 percent slopes
103A	Houghton muck, 0 to 2 percent slopes
104A	Virgil silt loam, 0 to 2 percent slopes
148A	Proctor silt loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes
154A	Flanagan silt loam, 0 to 2 percent slopes
171A	Catlin silt loam, 0 to 2 percent slopes
171B	Catlin silt loam, 2 to 5 percent slopes
193A	Mayville silt loam, 0 to 2 percent slopes
193B	Mayville silt loam, 2 to 5 percent slopes
193C2	Mayville silt loam, 5 to 10 percent slopes, eroded
198A	Elburn silt loam, 0 to 2 percent slopes
206A	Thorp silt loam, 0 to 2 percent slopes
219A	Millbrook silt loam, 0 to 2 percent slopes
221B2	Parr silt loam, 2 to 5 percent slopes, eroded
221C2	Parr silt loam, 5 to 10 percent slopes, eroded
233A	Birkbeck silt loam, 0 to 2 percent slopes
233B	Birkbeck silt loam, 2 to 5 percent slopes
236A	Sabina silt loam, 0 to 2 percent slopes
318D2	Lorenzo loam, 6 to 12 percent slopes, eroded
325B	Dresden silt loam, 2 to 4 percent slopes
325C2	Dresden silt loam, 4 to 6 percent slopes, eroded
327B	Fox silt loam, 2 to 4 percent slopes
330A	Peotone silty clay loam, 0 to 2 percent slopes
344B	Harvard silt loam, 2 to 5 percent slopes
348A	Wingate silt loam, 0 to 2 percent slopes
348B	Wingate silt loam, 2 to 5 percent slopes
348C2	Wingate silt loam, 5 to 10 percent slopes, eroded
356A	Elpaso silty clay loam, 0 to 2 percent slopes
488A	Hooppole loam, 0 to 2 percent slopes
512A	Danabrook silt loam, 0 to 2 percent slopes
512B	Danabrook silt loam, 2 to 5 percent slopes
512C2	Danabrook silt loam, 5 to 10 percent slopes, eroded
527B	Kidami silt loam, 2 to 4 percent slopes
527C2	Kidami silt loam, 4 to 6 percent slopes, eroded
527D2	Kidami silt loam, 6 to 12 percent slopes, eroded

SYMBOL	SOIL NAME
656B	Octagon silt loam, 2 to 4 percent slopes
656C2	Octagon silt loam, 4 to 6 percent slopes, eroded
662A	Barony silt loam, 0 to 2 percent slopes
662B	Barony silt loam, 2 to 5 percent slopes
662C2	Barony silt loam, 5 to 10 percent slopes, eroded
663A	Clare silt loam, 0 to 2 percent slopes
663B	Clare silt loam, 2 to 5 percent slopes
667A	Kaneville silt loam, 0 to 2 percent slopes
667B	Kaneville silt loam, 2 to 5 percent slopes
667C2	Kaneville silt loam, 5 to 10 percent slopes, eroded
668A	Somonauk silt loam, 0 to 2 percent slopes
668B	Somonauk silt loam, 2 to 5 percent slopes
791A	Rush silt loam, 0 to 2 percent slopes
791B	Rush silt loam, 2 to 4 percent slopes
792A	Bowes silt loam, 0 to 2 percent slopes
792B	Bowes silt loam, 2 to 4 percent slopes
802B	Orthents, loamy, undulating
865	Pits, gravel
3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded
3776A	Comfrey loam, 0 to 2 percent slopes, frequently flooded

**CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY
ANALYSIS FOR
DEKALB COUNTY, ILLINOIS
A SUBSET OF MLRAs 95B and 108**

1. Laboratory Data from NSSL

<u>Sampled As</u>	<u>Pedon Number</u>	<u>Approved Series Name</u>
Flanagan	S96IL-037-207	Fine-silty, mixed, superactive, mesic Aquic Hapludolls. Mapped as an inclusion in Flanagan.
Saybrook	S96IL-037-208	Danabrook
Saybrook	S96IL-037-209	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs. Mapped as an inclusion in Danabrook.

2. Laboratory Data from the U of IL Pedology Lab

<u>Sampled As</u>	<u>Pedon Number</u>	<u>Approved Series Name</u>
Millbrook ¹	22279-22288	Millbrook
Unnamed (394) ¹	No sample numbers	Bowes

3. Engineering Test Data from IL Dept. of Transportation

<u>Sampled As</u>	<u>Pedon Number</u>	<u>Approved Series Name</u>
Batavia ¹	S71IL-037-007	Kaneville
Dodge ¹	S71IL-037-001	Mayville
Dresden ¹	S71IL-037-009	Dresden
Elburn ¹	S71IL-037-008	Elburn
Herbert ¹	S71IL-037-003	Herbert
Octagon ¹	S71IL-037-002	Octagon
Peotone ¹	S71IL-037-004	Peotone
Unnamed ¹ (381B)	S71IL-037-011	Catlin

3. **Engineering Test Data (continued)**

<u>Sampled As</u>	<u>Pedon Number</u>	<u>Approved Series Name</u>
Unnamed ¹ (V376)	S71IL-037-010	Flanagan
Unnamed ¹ (V381B)	S71IL-037-012	Catlin
Unnamed ¹ (V656)	S71IL-037-005	Danabrook
Virgil ¹	S71IL-037-006	Virgil

¹ Pedon was previously identified in the "Classification and Correlation of the Soils of DeKalb County, Illinois", dated June 1973.

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

Barony - This series is established with this correlation. It replaces those soils in till controlled landforms which were previously mapped Harvard fitting an Oxyaquic subgroup classification. The typical pedon for the subset taxonomic unit is the OSD located in Kane County, IL (97IL-089-002) (MLRA 95B).

Batavia - See notes for Kaneville.

Birkbeck - These soils were previously mapped St. Charles. Most areas were found to be underlain by glacial till rather than outwash. The typical pedon for the subset taxonomic unit is the OSD located in Macon County, IL (MLRA 108).

Bowes - The typical pedon for the subset taxonomic unit is the OSD located in Kane County, IL (MLRA 95B).

Camden - See notes for Somonauk.

Catlin - The typical pedon for the subset taxonomic unit is the OSD located in Ogle County, IL (MLRA 108).

Clare - This series is established with this correlation. It replaces those soils in till controlled landforms which were previously mapped Proctor fitting an Oxyaquic subgroup classification. The typical pedon for the subset taxonomic unit is the OSD located in DeKalb County, IL (97IL-037-008) (MLRA 95B).

Comfrey - This series replaces certain areas of Sawmill soils which were found to have a fine-loamy particle-size. The typical pedon for the subset taxonomic unit is located in Winnebago County, IL (95IL-201-001) (MLRA 95B).

Danabrook - These soils were previously mapped Saybrook. The clay content in the lower part of the series control section averages less than 20 percent. The typical pedon for the subset taxonomic unit is the OSD located in DeKalb County, IL (95IL-037-004) (MLRA 95B). The 512C2 map unit is a taxadjunct to the series because it has a thinner, dark surface layer than defined for the series. It classifies as fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs.

Dodge - See notes for Mayville.

Dresden - The typical pedon for the subset taxonomic unit is located in Kane County, IL (94IL-089-004) (MLRA 95B).

DeKalb County Correlation Notes (continued)

Drummer - The typical pedon for the subset taxonomic unit is the OSD located in Champaign County, IL (MLRA 108).

Elburn - The typical pedon for the subset taxonomic unit is the OSD located in Logan County IL (MLRA 108).

Elpaso - This series replaces certain areas of Drummer soils which are mapped in narrow drainageways, within dissected moraines and till plains. These areas were found to be underlain by glacial till rather than outwash. The typical pedon for the subset taxonomic unit is the OSD located in Woodford County, IL (MLRA 108).

Flanagan - The typical pedon for the subset taxonomic unit is the OSD located in Champaign County, IL (MLRA 108).

Fox - This series was previously mapped on the original field sheets but was then correlated to Dresden. Those delineations will now be identified as Fox soils with this update. The typical pedon for the subset taxonomic unit is the OSD located in Jefferson County, WI (MLRA 95B).

Harpster - The typical pedon for the subset taxonomic unit is the OSD located in Ford County, IL (MLRA 108).

Harvard - This series is mapped only on an outwash plain in the northeastern part of the county. The typical pedon for the subset taxonomic unit is located in DeKalb County, IL (94IL-037-012) (MLRA 95B).

Herbert - The typical pedon for the subset taxonomic unit is the OSD located in DeKalb County, IL (94IL-037-004) (MLRA 95B).

Hooppole - These soils were previously mapped Kane and Will. The Kane soils were present on the original field sheets and had been correlated to the Will series. They were found to be calcareous at the surface. The Will soils were previously identified as taxajuncts because they were also calcareous at the surface. The typical pedon for the subset taxonomic unit is the OSD located in Bureau County, IL (MLRA 108).

Houghton - The typical pedon for the subset taxonomic unit is located in McHenry County, IL (94IL-111-027) (MLRA 95B).

Kaneville - This series is established with this correlation. It replaces those soils previously mapped Batavia fitting an Oxyaquic subgroup classification. The typical pedon for the subset taxonomic unit is the OSD located in Kane County, IL (97IL-089-001) (MLRA 108).

Kendall - See notes for Sabina.

DeKalb County Correlation Notes (continued)

Kidami - These soils were previously mapped Miami. The glacial till in the lower part of the series control section is not as dense as is required for the Miami series. The typical pedon for the subset taxonomic unit is the OSD located in McHenry County, IL (92IL-111-031) (MLRA 95B).

Knight - See notes for Thorp.

La Rose - The typical pedon for the subset taxonomic unit is located in Bureau County, IL (78IL-103-041) (MLRA 108).

Lisbon - The typical pedon for the subset taxonomic unit is the OSD located in Boone County, IL (MLRA 95B).

Lorenzo - The typical pedon for the subset taxonomic unit is located in McHenry County, IL (93IL-111-021) (MLRA 95B).

Mayville - This series replaces those soils previously mapped Dodge fitting an Oxyaquic subgroup classification. The typical pedon for the subset taxonomic unit is the OSD located in Washington County, WI (MLRA 95B).

Miami - See notes for Kidami.

Millbrook - The typical pedon for the subset taxonomic unit is located in DeKalb County, IL (95IL-037-002) (MLRA 95B).

Muscatune - This series replaces those soils previously mapped Muscatine which were found to contain an argillic horizon. The typical pedon for the taxonomic unit is located in Warren County, IL (86IL-187-100) (MLRA 108).

Octagon - The typical pedon for the subset taxonomic unit is located in Kane County, IL (94IL-089-005) (MLRA 95B).

Orthents, loamy - This unit replaces those delineations previously identified as cut and fill land.

Otter - This series replaces certain areas of Sawmill soils which were found to average less than 27 percent clay in the particle-size control section. The typical pedon for the subset taxonomic unit is located in DeKalb County, IL (97IL-037-018) (MLRA 108). The OSD type location will be relocated to this site.

Parr - This series replaces those areas of Octagon soils which had previously been mapped in mollisol/prairie areas. The 221B2 and 221C2 are taxadjuncts to the series because they have thinner, dark surface layers than is defined for the series. They classify as fine-loamy, mixed, superactive, mesic Oxyaquic Hapludalfs. The typical pedon for the subset taxonomic unit is located in McHenry County, IL (94IL-111-015) (MLRA 95B).

DeKalb County Correlation Notes (continued)

Peotone - The typical pedon for the subset taxonomic unit is located in DeKalb County, IL (97IL-037-007) (MLRA 108).

Plano - Most areas of this soil were correlated to Catlin. They were found to be underlain by glacial till rather than outwash. The remainder of the units were correlated to either Clare or Kaneville.

Proctor - This series is mapped only on an outwash plain in the northeastern part of the county. The typical pedon for the subset taxonomic unit is located in DeKalb County, IL (95IL-037-001) (MLRA 95B).

Rush - The typical pedon for the subset taxonomic unit is located in Kane County, IL (94IL-089-002) (MLRA 95).

Sabina - These soils were previously mapped Kendall. Most areas were found to be underlain by glacial till rather than outwash. The typical pedon for the subset taxonomic unit is the OSD located in Douglas County, IL (MLRA 108).

Sable - The typical pedon for the subset taxonomic unit is the OSD located in Warren County, IL (MLRA 108).

Saybrook - See notes for Danabrook.

Somonauk - This series is established with this correlation. It replaces those soils previously mapped Camden fitting an Oxyaquic subgroup classification. The typical pedon for the subset taxonomic unit is the OSD located in DeKalb County, IL (96IL-037-221) (MLRA 95B).

St. Charles - See notes for Birkbeck.

Strawn - These soils were correlated to the Kidami series. The depth to carbonates were found to be greater than 24 inches. Also they were found to fit an Oxyaquic subgroup classification.

Thorp - These soils were previously mapped Knight. In most areas the combined thickness of the A and E horizons was found to be less than 24 inches. The typical pedon for the subset taxonomic unit is the OSD located in LaSalle County, IL (MLRA 108).

Virgil - The typical pedon for the subset taxonomic unit is the OSD located in Stephenson County, IL (MLRA 95B).

Will - See notes for Hooppole.

Wingate - This series replaces certain areas of Saybrook soils which were mapped adjacent to major streams. These areas were found to have intergrade dark surface layers. The typical pedon for the subset taxonomic unit is the OSD located in Edgar County, IL (87IL-045-034) (MLRA 108).

**PRIME FARMLAND
DEKALB COUNTY, ILLINOIS**

Map

Symbol Soil Map Unit Name

51A	Muscatune silt loam, 0 to 2 percent slopes
59A	Lisbon silt loam, 0 to 2 percent slopes
62A	Herbert silt loam, 0 to 2 percent slopes (if drained)
67A	Harpster silty clay loam, 0 to 2 percent slopes (if drained)
68A	Sable silty clay loam, 0 to 2 percent slopes (if drained)
104A	Virgil silt loam, 0 to 2 percent slopes (if drained)
148A	Proctor silt loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes (if drained)
154A	Flanagan silt loam, 0 to 2 percent slopes
171A	Catlin silt loam, 0 to 2 percent slopes
171B	Catlin silt loam, 2 to 5 percent slopes
193A	Mayville silt loam, 0 to 2 percent slopes
193B	Mayville silt loam, 2 to 5 percent slopes
198A	Elburn silt loam, 0 to 2 percent slope
206A	Thorp silt loam, 0 to 2 percent slopes (if drained)
219A	Millbrook silt loam, 0 to 2 percent slopes (if drained)
221B2	Parr silt loam, 2 to 5 percent slopes, eroded
233A	Birkbeck silt loam, 0 to 2 percent slopes
233B	Birkbeck silt loam, 2 to 5 percent slopes
236A	Sabina silt loam, 0 to 2 percent slopes (if drained)
325B	Dresden silt loam, 2 to 4 percent slopes
325C2	Dresden silt loam, 4 to 6 percent slopes, eroded
327B	Fox silt loam, 2 to 4 percent slopes
330A	Peotone silty clay loam, 0 to 2 percent slopes (if drained)
344B	Harvard silt loam, 2 to 5 percent slopes
348A	Wingate silt loam, 0 to 2 percent slopes
348B	Wingate silt loam, 2 to 5 percent slopes
356A	Elpaso silty clay loam, 0 to 2 percent slopes (if drained)
488A	Hooppole loam, 0 to 2 percent slopes (if drained)
512A	Danabrook silt loam, 0 to 2 percent slopes
512B	Danabrook silt loam, 2 to 5 percent slopes

DeKalb County Prime Farmland (continued)

Map Symbol	Soil Map Unit Name
527B	Kidami silt loam, 2 to 4 percent slopes
527C2	Kidami silt loam, 4 to 6 percent slopes, eroded
656B	Octagon silt loam, 2 to 4 percent slopes
656C2	Octagon silt loam, 4 to 6 percent slopes, eroded
662A	Barony silt loam, 0 to 2 percent slopes
662B	Barony silt loam, 2 to 5 percent slopes
663A	Clare silt loam, 0 to 2 percent slopes
663B	Clare silt loam, 2 to 5 percent slopes
667A	Kaneville silt loam, 0 to 2 percent slopes
667B	Kaneville silt loam, 2 to 5 percent slopes
668A	Somonauk silt loam, 0 to 2 percent slopes
668B	Somonauk silt loam, 2 to 5 percent slopes
791A	Rush silt loam, 0 to 2 percent slopes
791B	Rush silt loam, 2 to 4 percent slopes
792A	Bowes silt loam, 0 to 2 percent slopes
792B	Bowes silt loam, 2 to 4 percent slopes
3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded (if drained and either protected from flooding or not frequently flooded during the growing season)
3776A	Comfrey loam, 0 to 2 percent slopes, frequently flooded (if drained and either protected from flooding or not frequently flooded during the growing season)

**SOIL SURVEY OF
DEKALB COUNTY, ILLINOIS**

CLASSIFICATION OF THE SOILS

Soil name	Family or higher taxonomic class
Barony-----	Fine-silty, mixed, superactive, mesic Oxyaquic HapludalFs
Birkbeck-----	Fine-silty, mixed, superactive, mesic Oxyaquic HapludalFs
Bowes-----	Fine-silty, mixed, superactive, mesic Mollic HapludalFs
Catlin-----	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Clare-----	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Comfrey-----	Fine-loamy, mixed, superactive, mesic Cumulic Endoaquolls
*Danabrook----	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Dresden-----	Fine-silty over sandy or sandy-skeletal, mixed, active, mesic, Mollic HapludalFs
Drummer-----	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Elburn-----	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Elpaso-----	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Flanagan-----	Fine, smectitic, mesic Aquertic Argiudolls
Fox-----	Fine-silty over sandy or sandy-skeletal, mixed, superactive mesic Typic HapludalFs
Harpster-----	Fine-silty, mesic Typic Calciaquolls
Harvard-----	Fine-silty, mixed, superactive, mesic Mollic HapludalFs
Herbert-----	Fine-silty, mixed, superactive, mesic Udollic EpiqualFs
Hooppole-----	Fine-loamy, mixed, calcareous, mesic Typic Endoaquolls
Houghton-----	Euic, mesic Typic Medisaprists
Kaneville-----	Fine-silty, mixed, superactive, mesic Oxyaquic HapludalFs
Kidami-----	Fine-loamy, mixed, active, mesic Oxyaquic HapludalFs
La Rose-----	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
Lisbon-----	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Lorenzo-----	Fine-loamy over sandy or sandy-skeletal, mixed, active, mesic Typic Argiudolls
Mayville-----	Fine-silty, mixed, superactive, mesic Oxyaquic HapludalFs
Millbrook----	Fine-silty, mixed, superactive, mesic Udollic EndoaqualFs
Muscatune----	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Octagon-----	Fine-loamy, mixed, superactive, mesic Oxyaquic HapludalFs
Orthents, loamy	Fine-loamy, mixed, active, mesic Typic Udorthents
Otter-----	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
*Parr-----	Fine-loamy, mixed, superactive, mesic Oxyaquic Argiudolls
Peotone-----	Fine, smectitic, mesic Cumulic Vertic Endoaquolls
Proctor-----	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Rush-----	Fine-silty, mixed, superactive, mesic Typic HapludalFs
Sabina-----	Fine, smectitic, mesic Aeric Chromic Vertic EpiqualFs
Sable-----	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Somonauk-----	Fine-silty, mixed, superactive, mesic Oxyaquic HapludalFs

DeKalb County Classification of Soils (continued)

Soil name	Family or higher taxonomic class
Thorp-----	Fine-silty, mixed, superactive, mesic Argiaquic Argialbolls
Virgil-----	Fine-silty, mixed, superactive, mesic Udollic Endoaqualfs
Wingate-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs

(An asterisk in the first column indicates that all or 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 MLRA Region 11 Team Leader certifies that:

- a. The fieldwork activities were completed in July 1998.
- b. DeKalb County joins the following MLRA 95B and 108 subsets:
 - Boone County to the north (published 1979)
 - McHenry County to the north (digital product due 1998)
 - Kane County to the east (published 1979 and digital product due 1999)
 - Kendall County to the east (published 1978)
 - LaSalle County to the south (published 1972)
 - Lee County to the west (published 1985)
 - Ogle County to the west (published 1980)

The joining is in the process of being checked for the detailed soils maps. An exact join will be made with Kane and McHenry Counties. An acceptable join will be made with the remaining adjacent counties. A detailed account of the join differences that occur with those counties will be kept on file at the MLRA Region 11 office in Indianapolis, IN and the Illinois NRCS state office.

- 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 95B and 108. Not all typical pedons are located in DeKalb County but are within other subsets of those MLRAs.
- e. All typical pedons are classified according to Soil Taxonomy Key, 7th edition.
- f. The digital soil maps once complete will be reviewed for accuracy and consistency.

Approval Signature and Date:

<u>Travis Neely</u>	<u>9-23-98</u>	<u>William J. Gradle</u>	<u>9-24-98</u>
Travis Neely	Date	William J. Gradle	Date
MLRA Region 11 Team Leader		State Conservationist	
USDA, NRCS		USDA, NRCS	
Indianapolis, IN 46278		Champaign, IL 61820	