

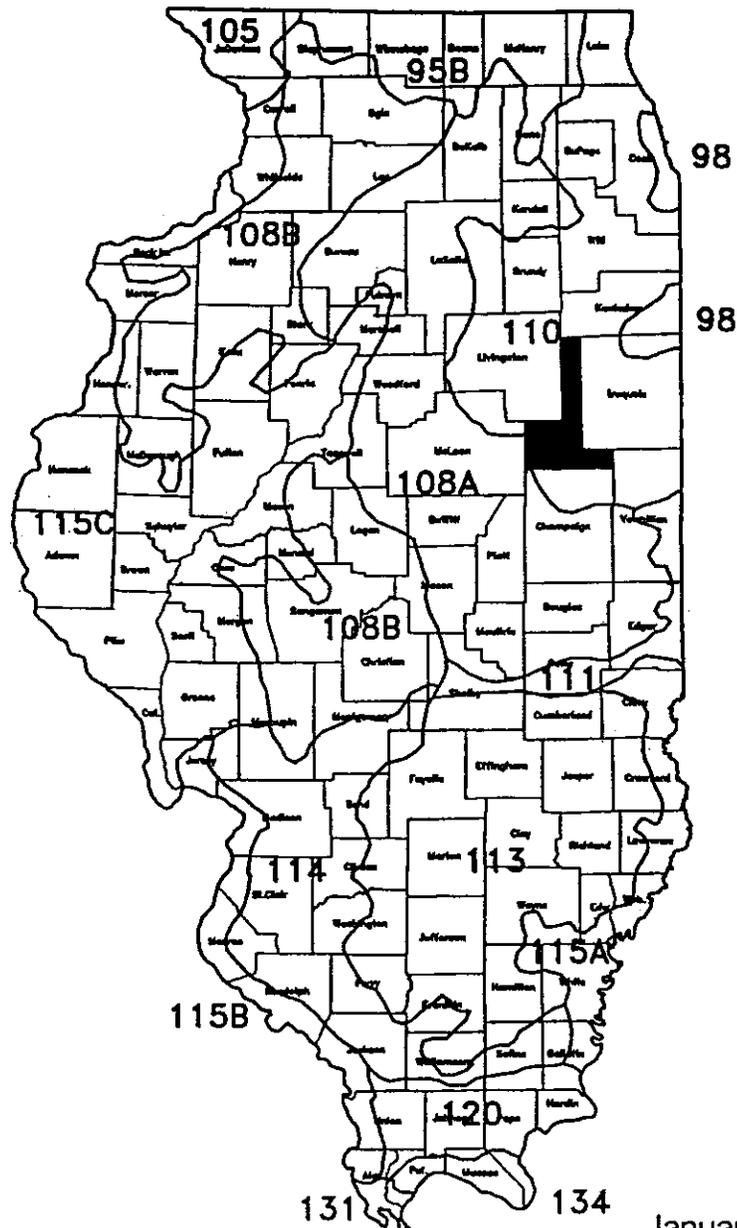
United States
Department of
Agriculture

Natural Resources
Conservation Service

East Central Glaciated
Regional MLRA
Soil Survey Office
Indianapolis, IN

Classification and Correlation of Soils in Ford County, Illinois

A subset of MLRAs 108 & 110



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

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

A Subset of MLRAs 108A and 110

December 2000

This correlation was prepared by Asghar A. Chowdhery, Soil Data Quality Specialist (SDQS) MLRA Region 11 team, Indianapolis, IN; John C. Doll, Soil Correlator, Champaign State Office; and Dale E. Calsyn, MLRA team leader, Naperville. It was prepared as part of the update of the Soil Survey of Ford County, a subset of MLRAs 108A and 110. A final correlation conference was held November 14-15, 2000. This correlation is based on decisions arrived at that conference. Decisions were based on field reviews, transect data, field notes, pedon descriptions, laboratory data, field soil maps, descriptive legend in the "Classification and Correlation of the Soils of Ford County, Illinois" – February 1985, and the published soil survey report - June 1990.

Headnote for detailed soil survey legend:

This update of Ford County, Illinois is an update of a subset of the Soil Survey of Major Land Resource Areas (MLRAs) 108A and 110. Map units and their symbols and special and conventional symbols are consistent between subsets that are being updated. Map unit symbols consist of a combination of numbers and letters. The initial numbers represent the kind of soil. A capital letter following those numbers indicates the class of slope. A final number of 2 following the slope letter indicates that the soil is moderately eroded, and a number 3 indicates that it is severely eroded. Absence of a number following the slope class indicates that the soil is slightly eroded or non-eroded.

Soil Correlation Legend for
Ford County, Illinois

Field symbols	Field map unit name	Publication symbol	Approved map unit name
23A	BLOUNT SILT LOAM, 0 TO 3 PERCENT SLOPES	23A	Blount silt loam 0 to 2 percent slopes
23A	Blount silt loam 0 to 2 percent slopes	23A	Blount silt loam 0 to 2 percent slopes
23B2 ¹	Blount silt loam, 2 to 4 percent slopes, eroded	23B2	Blount silt loam, 2 to 4 percent slopes, eroded
56B	DANA SILT LOAM, 1 TO 5 PERCENT SLOPES	56B	Dana silt loam, 2 to 5 percent slopes
56B	Dana silt loam, 2 to 5 percent slopes	56B	Dana silt loam, 2 to 5 percent slopes
56B ²	DANA SILT LOAM, 1 TO 5 PERCENT SLOPES	56B2	Dana silt loam, 2 to 5 percent slopes, eroded
56B ³	Dana silt loam, 2 to 5 percent slopes, eroded	56B2	Dana silt loam, 2 to 5 percent slopes, eroded
67	HARPSTER SILTY CLAY LOAM	67A	Harpster silty clay loam, 0 to 2 percent slopes
67A	Harpster silty clay loam, 0 to 2 percent slopes	67A	Harpster silty clay loam, 0 to 2 percent slopes
69	MILFORD SILTY CLAY LOAM	69A	Milford silty clay loam, 0 to 2 percent slopes
69A	Milford silty clay loam, 0 to 2 percent slopes	69A	Milford silty clay loam, 0 to 2 percent slopes
91A	SWYGERT SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	91A	Swygert silty clay loam, 0 to 2 percent slopes
91A	Swygert silty clay loam, 0 to 2 percent slopes	91A	Swygert silty clay loam, 0 to 2 percent slopes
91B2	SWYGERT SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES, ERODED	91B2	Swygert silty clay loam, 2 to 4 percent slopes, eroded
91B2	Swygert silty clay loam, 2 to 4 percent slopes, eroded	91B2	Swygert silty clay loam, 2 to 4 percent slopes, eroded
102	LA HOGUE LOAM	102A	La Hogue loam, 0 to 2 percent slopes
102A	La Hogue loam, 0 to 2 percent slopes	102A	La Hogue loam, 0 to 2 percent slopes
125	SELMA LOAM	125A	Selma loam, 0 to 2 percent slopes
125A	Selma loam, 0 to 2 percent slopes	125A	Selma loam, 0 to 2 percent slopes
134A	CAMDEN SILT LOAM, 0 TO 3 PERCENT SLOPES	134A	Camden 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
146A	ELLIOTT SILT LOAM, 0 TO 2 PERCENT SLOPES	146A	Elliott silt loam, 0 to 2 percent slopes
146A	Elliott silt loam, 0 to 2 percent slopes	146A	Elliott silt loam, 0 to 2 percent slopes
146B2	ELLIOTT SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED	146B2	Elliott silty clay loam, 2 to 4 percent slopes, eroded
146B2	Elliott silty clay loam, 2 to 4 percent slopes, eroded	146B2	Elliott silty clay loam, 2 to 4 percent slopes, eroded
147A	CLARENCE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	147A	Clarence silty clay loam, 0 to 2 percent slopes
147A	Clarence silty clay loam, 0 to 2 percent slopes	147A	Clarence silty clay loam, 0 to 2 percent slopes

Ford County Subset Soil Correlation Legend (cont.)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
147B2	CLARENCE SILTY CLAY, 2 TO 5 PERCENT SLOPES, ERODED	147B2	Clarence silty clay loam, 2 to 4 percent slopes, eroded
147B2	Clarence silty clay loam, 2 to 4 percent slopes, eroded	147B2	Clarence silty clay loam, 2 to 4 percent slopes, eroded
148B	PROCTOR SILT LOAM, 1 TO 5 PERCENT SLOPES	148B	Proctor silt loam, 2 to 5 percent slopes
148B	Proctor silt loam, 2 to 5 percent slopes	148B	Proctor silt loam, 2 to 5 percent slopes
148B ³	Proctor silt loam, 2 to 5 percent slopes, eroded	148B2	Proctor silt loam, 2 to 5 percent slopes, eroded
149	BRENTON SILT LOAM	149A	Brenton silt loam, 0 to 2 percent slopes
149A	Brenton silt loam, 0 to 2 percent slopes	149A	Brenton silt loam, 0 to 2 percent slopes
150B	ONARGA FINE SANDY LOAM, 1 TO 5 PERCENT SLOPES	150B	Onarga fine sandy loam, 2 to 5 percent slopes
150B	Onarga fine sandy loam, 2 to 5 percent slopes	150B	Onarga fine sandy loam, 2 to 5 percent slopes
151	RIDGEVILLE FINE SANDY LOAM	151A	Ridgeville fine sandy loam, 0 to 2 percent slopes
151A	Ridgeville fine sandy loam, 0 to 2 percent slopes	151A	Ridgeville fine sandy loam, 0 to 2 percent slopes
152	DRUMMER SILTY CLAY LOAM	152A	Drummer silty clay loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes	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
153A	Pella silty clay loam, 0 to 2 percent slopes	153A	Pella silty clay loam, 0 to 2 percent slopes
189	MARTINTON SILT LOAM	189A	Martinton silt loam, 0 to 2 percent slopes
189A	Martinton silt loam, 0 to 2 percent slopes	189A	Martinton silt loam, 0 to 2 percent slopes
192	DEL REY SILT LOAM	192A	Del Rey silt loam, 0 to 2 percent slopes
192A	Del Rey silt loam, 0 to 2 percent slopes	192A	Del Rey silt loam, 0 to 2 percent slopes
56B ⁴	DANA SILT LOAM, 1 TO 5 PERCENT SLOPES	221C2	Parr silt loam, 5 to 10 percent slopes, eroded
221C2	Parr silt loam, 5 to 10 percent slopes, eroded	221C2	Parr silt loam, 5 to 10 percent slopes, eroded
221C3	Parr clay loam, 5 to 10 percent slopes, severely eroded	221C3	Parr clay loam, 5 to 10 percent slopes, severely eroded
495C3	CORWIN CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED	221C3	Parr clay loam, 5 to 10 percent slopes, severely eroded
223B2	VARNA SILT LOAM, 1 TO 5 PERCENT SLOPES, ERODED	223B2	Varna silt loam, 2 to 4 percent slopes, eroded
223B2	Varna silt loam, 2 to 4 percent slopes, eroded	223B2	Varna silt loam, 2 to 4 percent slopes, eroded
223B2 ⁴	VARNA SILT LOAM, 1 TO 5 PERCENT SLOPES, ERODED	223C2	Varna silt loam, 4 to 6 percent slopes, eroded
223C2	Varna silt loam, 4 to 6 percent slopes, eroded	223C2	Varna silt loam, 4 to 6 percent slopes, eroded
230	ROWE SILTY CLAY LOAM	230A	Rowe silty clay loam, 0 to 2 percent slopes
230A	Rowe silty clay loam, 0 to 2 percent slopes	230A	Rowe silty clay loam, 0 to 2 percent slopes

Ford County Subset Soil Correlation Legend (cont.)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
232	ASHKUM SILTY CLAY LOAM	232A	Ashkum silty clay loam, 0 to 2 percent slopes
232A	Ashkum silty clay loam, 0 to 2 percent slopes	232A	Ashkum silty clay loam, 0 to 2 percent slopes
235	BRYCE SILTY CLAY LOAM	235A	Bryce silty clay, 0 to 2 percent slopes
235A	Bryce silty clay, 0 to 2 percent slopes	235A	Bryce silty clay, 0 to 2 percent slopes
238	RANTOUL SILTY CLAY	238A	Rantoul silty clay, 0 to 2 percent slopes
238A	Rantoul silty clay, 0 to 2 percent slopes	238A	Rantoul silty clay, 0 to 2 percent slopes
241C ⁴	CHATSWORTH SILTY CLAY, 4 TO 10 PERCENT SLOPES	241C3	Chatsworth silty clay, 4 to 6 percent slopes, severely eroded
241C3	Chatsworth silty clay, 4 to 6 percent slopes, severely eroded	241C3	Chatsworth silty clay, 4 to 6 percent slopes, severely eroded
241C ⁴	CHATSWORTH SILTY CLAY, 4 TO 10 PERCENT SLOPES	241D3	Chatsworth silty clay, 6 to 12 percent slopes, severely eroded
241D3	Chatsworth silty clay, 6 to 12 percent slopes, severely eroded	241D3	Chatsworth silty clay, 6 to 12 percent slopes, severely eroded
294B	SYMERTON SILT LOAM, 1 TO 5 PERCENT SLOPES	294B	Symerton silt loam, 2 to 5 percent slopes
294B	Symerton silt loam, 2 to 5 percent slopes	294B	Symerton silt loam, 2 to 5 percent slopes
295A ⁵	MOKENA SILT LOAM, 0 TO 2 PERCENT SLOPES	295A	Mokena silt loam, 0 to 2 percent slopes
330	PEOTONE SILTY CLAY LOAM	330A	Peotone silty clay loam, 0 to 2 percent slopes
330A	Peotone silty clay loam, 0 to 2 percent slopes	330A	Peotone silty clay loam, 0 to 2 percent slopes
375A	RUTLAND SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	375A	Rutland silty clay loam, 0 to 2 percent slopes
375B ⁴	RUTLAND SILT LOAM, 1 TO 5 PERCENT SLOPES	375A	Rutland silty clay loam, 0 to 2 percent slopes
375B	RUTLAND SILT LOAM, 1 TO 5 PERCENT SLOPES	375B	Rutland silty clay loam, 2 to 5 percent slopes
375B	Rutland silty clay loam, 2 to 5 percent slopes	375B	Rutland silty clay loam, 2 to 5 percent slopes
481A	RAUB SILT LOAM, 0 TO 3 PERCENT SLOPES	481A	Raub silt loam, 0 to 2 percent slopes
481A	Raub silt loam, 0 to 2 percent slopes	481A	Raub silt loam, 0 to 2 percent slopes
194B	MORLEY SILT LOAM, 1 TO 5 PERCENT SLOPES	530B	Ozaukee silt loam, 2 to 4 percent slopes
530B	Ozaukee silt loam, 2 to 4 percent slopes	530B	Ozaukee silt loam, 2 to 4 percent slopes
530D2 ¹	Ozaukee silt loam, 6 to 12 percent slopes, eroded	530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
530E2 ¹	Ozaukee silt loam, 12 to 20 percent slopes, eroded	530E2	Ozaukee silt loam, 12 to 20 percent slopes, eroded
145B2	Saybrook silt loam, 2 to 5 percent slopes, eroded	541B2	Graymont silt loam, 2 to 5 percent slopes, eroded
541B2	Graymont silt loam, 2 to 5 percent slopes, eroded	541B2	Graymont silt loam, 2 to 5 percent slopes, eroded
570C2 ¹	Martinsville loam, 5 to 10 percent slopes, eroded	570C2	Martinsville loam, 5 to 10 percent slopes, eroded

Ford County Subset Soil Correlation Legend (cont.)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
59A	Lisbon silt loam, 0 to 2 percent slopes	614A	Chenoa silty clay loam, 0 to 2 percent slopes
614A	Chenoa silty clay loam, 0 to 2 percent slopes	614A	Chenoa silty clay loam, 0 to 2 percent slopes
440B	JASPER LOAM, 1 TO 5 PERCENT SLOPES	687B	Penfield loam, 2 to 5 percent slopes
687B	Penfield loam, 2 to 5 percent slopes	687B	Penfield loam, 2 to 5 percent slopes
802B	Orthents, loamy, undulating	802B	Orthents, loamy, undulating
805	ORTHENTS, CLAYEY	805B	Orthents, clayey, undulating
805B	Orthents, clayey, undulating	805B	Orthents, clayey, undulating
865	PITS, GRAVEL	865	Pits, gravel
865	Pits, gravel	865	Pits, gravel
103	HOUGHTON MUCK	1103A	Houghton muck, undrained, 0 to 2 percent slopes
1103A	Houghton muck, undrained, 0 to 2 percent slopes	1103A	Houghton muck, undrained, 0 to 2 percent slopes
107	SAWMILL SILTY CLAY LOAM	3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
405	ZOOK SILTY CLAY LOAM	3405A	Zook silty clay, 0 to 2 percent slopes, frequently flooded
3405A	Zook silty clay, 0 to 2 percent slopes, frequently flooded	3405A	Zook silty clay, 0 to 2 percent slopes, frequently flooded
W	Water	W	Water

- 1 Added to legend to join with Champaign County
- 2 Polygons with numerous severely eroded spot symbols are generally correlated to the moderately eroded map unit
- 3 Added to legend to join with McLean County
- 4 Correlation based on percent slope determined from topo maps
- 5 Added to legend to join with Iroquois County

Series established by this correlation: None

Series or families added to previous correlated legend (February 1985): Chenoa; Graymont; Martinsville; Mokena; Orthents, loamy; Ozaukee; Parr; and Penfield

Series dropped from previous correlated legend (February 1985): Corwin, Jasper, and Morley

Series made inactive: None

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

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

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

Prior soil survey publication: The last soil survey of Ford County was completed in 1985 and published by the United States Department of Agriculture, Soil Conservation Service in June 1990. It is Illinois Agricultural Experiment Station Soil Report No. 128, "Soil Survey of Ford County, Illinois". Reference to the prior soil survey will be included in the literature citation of the manuscript. This survey replaces the 1990 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: Ford County, which was published in 1990, joins six modern day soil surveys. These are Champaign, Iroquois, Kankakee, Livingston, McLean, and Vermilion Counties in Illinois. Champaign County to the south was updated, with a projected publication date of 2000. Iroquois County to the east was published in 1982. Kankakee County to the north was published in 1979. Livingston County to the west was published in 1996. McLean County to the west was updated, with a projected publication date of 2001. Vermilion County to the east was published in 1996.

An exact join will be completed with Champaign and McLean Counties. An acceptable join will be completed with the remaining adjacent counties.

Disposition of field sheets: The 61 published atlas sheets at a scale of 1:15,840 were rectified and ratioed to a scale of 1:12,000. These maps were used to recompile the soils layer onto mylar sheets with 1:12,000 scale orthophoto quarter quads serving as a base. Publication scale is 1:12,000 according to SSURGO standards. Copies of a computer tape of the final digital product will remain at the Illinois NRCS state office. This survey will be certified for SSURGO at the Kansas Digitizing Center. Digital spatial and attribute data will be provided to the Ford County Board as part of the cost share cooperative agreement.

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

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

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL																																																																																												
CULTURAL FEATURES		CULTURAL FEATURES (cont.)		SPECIAL SYMBOLS FOR SOIL SURVEY AND SSURGO																																																																																													
BOUNDARIES		HYDROGRAPHIC FEATURES		SOIL DELINEATIONS AND SYMBOLS																																																																																													
<ul style="list-style-type: none"> National, state, or province County or parish Minor civil division Reservation, (national forest or park, state forest or park) Field sheet matchline & readline 		<ul style="list-style-type: none"> Perennial, double line Unclassified stream Drainage end DRAINAGE AND IRRIGATION Unclassified drainage ditch 			<ul style="list-style-type: none"> LANDFORM FEATURES ESCARPMENTS Bedrock Other than bedrock SHORT STEEP SLOPE GULLY DEPRESSION, closed SINKHOLE 																																																																																												
<ul style="list-style-type: none"> OTHER BOUNDARY (label) Airport, airfield (Label Only) Cemetery 		<ul style="list-style-type: none"> STREAMS Perennial, double line Unclassified stream Drainage end DRAINAGE AND IRRIGATION Unclassified drainage ditch 		<ul style="list-style-type: none"> EXCAVATIONS PITS Borrow pit Gravel pit Miner quarry LANDFILL 																																																																																													
<ul style="list-style-type: none"> STATE COORDINATE TICK LAND DIVISION CORNERS (section and land grants) GEOGRAPHIC COORDINATE TICK ROAD EMBLEMS & DESIGNATIONS Interstate Federal State County, farm, or ranch 		<ul style="list-style-type: none"> SMALL LAKES, PONDS, AND RESERVOIRS Perennial water Miscellaneous water 		<ul style="list-style-type: none"> MISCELLANEOUS SURFACE FEATURES Blowout Clay spot Gravelly spot Lava flow Marsh or swamp Rock outcrop (includes sandstone and shale) Saline spot Sandy spot Severely eroded spot Slide or slip Sodic spot Spoil area Stony spot Very stony spot Wet spot 																																																																																													
<ul style="list-style-type: none"> LEVEES Single side slope (showing actual feature location) DAMS Medium or small 				<ul style="list-style-type: none"> RECOMMENDED AD HOC SOIL SYMBOLS 	<table border="1"> <thead> <tr> <th>SYMBOL_ID</th> <th>SYMBOL</th> <th>SYMBOL_ID</th> <th>SYMBOL</th> </tr> </thead> <tbody> <tr><td>1</td><td>◀</td><td>23</td><td>⊙</td></tr> <tr><td>2</td><td>▣</td><td>24</td><td>⊙</td></tr> <tr><td>3</td><td>□</td><td>25</td><td>⊙</td></tr> <tr><td>4</td><td>▣</td><td>GSP 26</td><td>⊙</td></tr> <tr><td>5</td><td>▣</td><td>27</td><td>⊙</td></tr> <tr><td>6</td><td>▣</td><td>28</td><td>⊙</td></tr> <tr><td>7</td><td>▣</td><td>CSP 29</td><td>⊙</td></tr> <tr><td>8</td><td>▣</td><td>MUC 30</td><td>▣</td></tr> <tr><td>9</td><td>▣</td><td>31</td><td>⊙</td></tr> <tr><td>10</td><td>⊙</td><td>32</td><td>⊙</td></tr> <tr><td>11</td><td>▣</td><td>33</td><td>⊙</td></tr> <tr><td>12</td><td>▽</td><td>34</td><td>⊙</td></tr> <tr><td>13</td><td>▽</td><td>35</td><td>⊙</td></tr> <tr><td>14</td><td>▽</td><td>36</td><td>+</td></tr> <tr><td>15</td><td>▽</td><td>37</td><td>+</td></tr> <tr><td>16</td><td>△</td><td>38</td><td>⊙</td></tr> <tr><td>17</td><td>△</td><td>39</td><td>⊙</td></tr> <tr><td>18</td><td>⊙</td><td>40</td><td>⊙</td></tr> <tr><td>19</td><td>⊙</td><td>41</td><td>+</td></tr> <tr><td>DSS 20</td><td>⊙</td><td>42</td><td>+</td></tr> <tr><td>21</td><td>⊙</td><td>43</td><td>+</td></tr> <tr><td>22</td><td>⊙</td><td>44</td><td>⊙</td></tr> </tbody> </table>	SYMBOL_ID	SYMBOL	SYMBOL_ID	SYMBOL	1	◀	23	⊙	2	▣	24	⊙	3	□	25	⊙	4	▣	GSP 26	⊙	5	▣	27	⊙	6	▣	28	⊙	7	▣	CSP 29	⊙	8	▣	MUC 30	▣	9	▣	31	⊙	10	⊙	32	⊙	11	▣	33	⊙	12	▽	34	⊙	13	▽	35	⊙	14	▽	36	+	15	▽	37	+	16	△	38	⊙	17	△	39	⊙	18	⊙	40	⊙	19	⊙	41	+	DSS 20	⊙	42	+	21	⊙	43	+	22	⊙	44	⊙
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**Definitions and Guidelines for Use of Conventional and Special Symbols
for Ford County, Illinois
A Subset of MLRAs 108A and 110**

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

Hydrographic Features		
Unclassified stream		Streams which may or may not flow water throughout year. They are less than 100 feet in width on the landscape or less than 0.10 inch on the atlas sheet.
Drainage end	DEND	Shows the point where concentrated water flow stops, and there is no channel within 250 feet or more on the landscape or 0.25 inch or more on the atlas sheet.
Unclassified drainage ditch		Water channels, which have been excavated or straightened, and that may or may not flow water throughout year. They are less than 100 feet in width on the landscape or less than 0.10 inch on the atlas sheet.

Special Symbols		
Escarpment, other than bedrock	ESO	A relatively continuous and steep slope or cliff generally produced by erosion, but can be produced by faulting breaking the continuity of more gently sloping land surfaces. Exposed nonbedrock material is nonsoil or very shallow, poorly developed soil.
Short, steep slope	SLP	Narrow soil area that has slopes that are at least 2 slope classes steeper than the slope class of the surrounding map unit.
Depression, closed	DEP	A shallow, saucer-shaped area slightly lower on the landscape than the surrounding area, but without a natural outlet for surface drainage. Typically 1/4 to 2 acres.
Gravel pit	GPI	An open excavation from which soil and underlying material have been removed, and used without crushing, as a source of sand or gravel. Typically 1/4 to 2 acres.
Gravelly spot	GRA	Surface layer has more than 35 percent, by volume, of rock fragments that are mostly less than 3 inches in diameter. Typically 1/4 to 2 acres.
Marsh or swamp	MAR	A water saturated, very poorly drained area, intermittently or permanently water-covered. Marsh areas are dominantly covered by sedges, cattails, and rushes. Swamps are dominantly covered by trees or shrubs. Not used in undrained map units where poorly drained or very poorly drained soils are the named components. Typically 1/4 to 2 acres.
Sandy spot	SAN	Surface layer with sand content greater than 75 percent in areas where the surface layer of the named soils in the surrounding map unit have less than about 25 percent sand. Typically 1/4 to 2 acres.
Severely eroded spot	ERO	An area where on the average 75 percent or more of the original surface layer has been lost from accelerated erosion. Typically 1/4 to 2 acres.

Ford County Subset Definitions and Guidelines (cont.)

Description	Label	Definitions and Guidelines
Special Symbols (cont.)		
Wet spot	WET	Somewhat poorly drained to very poorly drained area that is at least 2 drainage classes wetter than the named soils in the surrounding map unit. Typically 1/4 to 2 acres.
Disturbed soil spot	DSS	An area in which the soil has been removed and materials redeposited due to human activity. Typically 1/4 to 2 acres.
Gray spot	GSP	Subsurface layer is gray in color where the subsurface layer of the named soils in the surrounding map unit are dark colored. Typically 1/4 to 2 acres.
Calcareous spot	CSP	An area in which the soil contains carbonates in the surface layer. Effervescence can be detected by dilute hydrochloric acid. The surface layer of the named soils in the surrounding map unit are noncalcareous. Typically 1/4 to 2 acres.
Muck spot	MUC	An area with a poorly drained or very poorly drained soil that has a surface layer that has a surface layer consisting of organic soil material. The surface layer of the named soils in the surrounding map unit consists of mineral soil material. Typically 1/4 to 2 acres.

Soil Mapunit Symbol Conversion Legend
Ford County, Illinois

Field symbols	Publication symbol	Field symbols	Publication symbol	Field symbols	Publication symbol
23A	23A	148B	148B	235	235A
23B2 ¹	23B2	148B2 ⁴	148B2	235A	235A
56B	56B	149	149A	238	238A
56B ²	56B2	149A	149A	238A	238A
56B ³	221C2	150B	150B	241C ³	241C3
56B2 ⁴	56B2	151	151A	241C3	241C3
59A	614A	151A	151A	241C ³	241D3
67	67A	152	152A	241D3	241D3
67A	67A	152A	152A	294B	294B
69	69A	153	153A	295A ⁵	295A
69A	69A	153A	153A	330	330A
91A	91A	189	189A	330A	330A
91B2	91B2	189A	189A	375A	375A
102	102A	192	192A	375B ³	375A
102A	102A	192A	192A	375B	375B
103	1103A	194B	530B	405	3405A
107	3107A	221C2	221C2	440B	687B
125	125A	221C3	221C3	481A	481A
125A	125A	223B2	223B2	495C3	221C3
134A	134A	223B2 ³	223C2	530B	530B
145B2	541B2	223C2	223C2	530D2 ¹	530D2
146A	146A	230	230A	530E2 ¹	530E2
146B2	146B2	230A	230A	541B2	541B2
147A	147A	232	232A	570C2 ¹	570C2
147B2	147B2	232A	232A	614A	614A

Ford County Subset Conversion Legend (cont.)

Field symbols	Publication symbol
687B	687B
802B	802B
805	805B
805B	805B
865	865
1103A	1103A
3107A	3107A
3405A	3405A
W	W

- 1 Added to legend to join with Champaign County
- 2 Polygons with numerous severely eroded spot symbols are generally correlated to the moderately eroded map unit
- 3 Correlation based on percent slope determined from topo maps
- 4 Added to legend to join with McLean County
- 5 Added to legend to join with Iroquois County

MLRAs 108 and 110
 Ford County Subset
 Alphabetical Identification Legend

Map symbol	Soil name
232A	Ashkum silty clay loam, 0 to 2 percent slopes
23A	Blount silt loam 0 to 2 percent slopes
23B2	Blount silt loam, 2 to 4 percent slopes, eroded
149A	Brenton silt loam, 0 to 2 percent slopes
235A	Bryce silty clay, 0 to 2 percent slopes
134A	Camden silt loam, 0 to 2 percent slopes
241C3	Chatsworth silty clay, 4 to 6 percent slopes, severely eroded
241D3	Chatsworth silty clay, 6 to 12 percent slopes, severely eroded
614A	Chenoa silty clay loam, 0 to 2 percent slopes
147A	Clarence silty clay loam, 0 to 2 percent slopes
147B2	Clarence silty clay loam, 2 to 4 percent slopes, eroded
56B	Dana silt loam, 2 to 5 percent slopes
56B2	Dana silt loam, 2 to 5 percent slopes, eroded
192A	Del Rey silt loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes
146A	Elliott silt loam, 0 to 2 percent slopes
146B2	Elliott silty clay loam, 2 to 4 percent slopes, eroded
541B2	Graymont silt loam, 2 to 5 percent slopes, eroded
67A	Harpster silty clay loam, 0 to 2 percent slopes
1103A	Houghton muck, undrained, 0 to 2 percent slopes
102A	La Hogue loam, 0 to 2 percent slopes
570C2	Martinsville loam, 5 to 10 percent slopes, eroded
189A	Martinton silt loam, 0 to 2 percent slopes
69A	Milford silty clay loam, 0 to 2 percent slopes
295A	Mokena silt loam, 0 to 2 percent slopes
150B	Onarga fine sandy loam, 2 to 5 percent slopes
805B	Orthents, clayey, undulating
802B	Orthents, loamy, undulating
530B	Ozaukee silt loam, 2 to 4 percent slopes

Ford County Subset Alphabetical Identification Legend (cont.)

Map symbol	Soil name
530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
530E2	Ozaukee silt loam, 12 to 20 percent slopes, eroded
221C2	Parr silt loam, 5 to 10 percent slopes, eroded
221C3	Parr clay loam, 5 to 10 percent slopes, severely eroded
153A	Pella silty clay loam, 0 to 2 percent slopes
687B	Penfield loam, 2 to 5 percent slopes
865	Pits, gravel
330A	Peotone silty clay loam, 0 to 2 percent slopes
148B	Proctor silt loam, 2 to 5 percent slopes
148B2	Proctor silt loam, 2 to 5 percent slopes, eroded
238A	Rantoul silty clay, 0 to 2 percent slopes
481A	Raub silt loam, 0 to 2 percent slopes
151A	Ridgeville fine sandy loam, 0 to 2 percent slopes
230A	Rowe silty clay loam, 0 to 2 percent slopes
375A	Rutland silty clay loam, 0 to 2 percent slopes
375B	Rutland silty clay loam, 2 to 5 percent slopes
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
125A	Selma loam, 0 to 2 percent slopes
91A	Swygert silty clay loam, 0 to 2 percent slopes
91B2	Swygert silty clay loam, 2 to 4 percent slopes, eroded
294B	Symerton silt loam, 2 to 5 percent slopes
223B2	Varna silt loam, 2 to 4 percent slopes, eroded
223C2	Varna silt loam, 4 to 6 percent slopes, eroded
W	Water
3405A	Zook silty clay, 0 to 2 percent slopes, frequently flooded

MLRAs 108 and 110
 Ford County Subset
 Numerical Identification Legend

Map symbol	Soil name
23A	Blount silt loam 0 to 2 percent slopes
23B2	Blount silt loam, 2 to 4 percent slopes, eroded
56B	Dana silt loam, 2 to 5 percent slopes
56B2	Dana silt loam, 2 to 5 percent slopes, eroded
67A	Harpster silty clay loam, 0 to 2 percent slopes
69A	Milford silty clay loam, 0 to 2 percent slopes
91A	Swygert silty clay loam, 0 to 2 percent slopes
91B2	Swygert silty clay loam, 2 to 4 percent slopes, eroded
102A	La Hogue loam, 0 to 2 percent slopes
125A	Selma loam, 0 to 2 percent slopes
134A	Camden silt loam, 0 to 2 percent slopes
146A	Elliott silt loam, 0 to 2 percent slopes
146B2	Elliott silty clay loam, 2 to 4 percent slopes, eroded
147A	Clarence silty clay loam, 0 to 2 percent slopes
147B2	Clarence silty clay loam, 2 to 4 percent slopes, eroded
148B	Proctor silt loam, 2 to 5 percent slopes
148B2	Proctor silt loam, 2 to 5 percent slopes, eroded
149A	Brenton silt loam, 0 to 2 percent slopes
150B	Onarga fine sandy loam, 2 to 5 percent slopes
151A	Ridgeville fine sandy 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
189A	Martinton silt loam, 0 to 2 percent slopes
192A	Del Rey silt loam, 0 to 2 percent slopes
221C2	Parr silt loam, 5 to 10 percent slopes, eroded
221C3	Parr clay loam, 5 to 10 percent slopes, severely eroded
223B2	Varna silt loam, 2 to 4 percent slopes, eroded
223C2	Varna silt loam, 4 to 6 percent slopes, eroded
230A	Rowe silty clay loam, 0 to 2 percent slopes
232A	Ashkum silty clay loam, 0 to 2 percent slopes

Ford County Subset Numerical Identification Legend (cont.)

Map symbol	Soil name
235A	Bryce silty clay, 0 to 2 percent slopes
238A	Rantoul silty clay, 0 to 2 percent slopes
241C3	Chatsworth silty clay, 4 to 6 percent slopes, severely eroded
241D3	Chatsworth silty clay, 6 to 12 percent slopes, severely eroded
294B	Symerton silt loam, 2 to 5 percent slopes
295A	Mokena silt loam, 0 to 2 percent slopes
330A	Peotone silty clay loam, 0 to 2 percent slopes
375A	Rutland silty clay loam, 0 to 2 percent slopes
375B	Rutland silty clay loam, 2 to 5 percent slopes
481A	Raub silt loam, 0 to 2 percent slopes
530B	Ozaukee silt loam, 2 to 4 percent slopes
530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
530E2	Ozaukee silt loam, 12 to 20 percent slopes, eroded
541B2	Graymont silt loam, 2 to 5 percent slopes, eroded
570C2	Martinsville loam, 5 to 10 percent slopes, eroded
614A	Chenoa silty clay loam, 0 to 2 percent slopes
687B	Penfield loam, 2 to 5 percent slopes
802B	Orthents, loamy, undulating
805B	Orthents, clayey, undulating
865	Pits, gravel
1103A	Houghton muck, undrained, 0 to 2 percent slopes
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
3405A	Zook silty clay, 0 to 2 percent slopes, frequently flooded
W	Water

**Classification of Pedons Sampled For Laboratory
Analysis For
Ford County, Illinois
A Subset of MLRAs 108A and 110**

There were no additional pedons sampled during this update. The list of pedons sampled for analysis is contained in the "Classification and Correlation of the Soils of Ford County, Illinois – February 1985" document.

Notes to Accompany
the Correlation and Classification
of Soils in Ford County, Illinois

Mapunit symbol	Mapunit name	Mapunit text notes
23A	Blount silt loam 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is from Livingston County (87IL-105-090). Map unit is linked to MLRA 110 DMU 31,947. The slope range is adjusted with this correlation from the published range of 0 to 3 percent to the correlated range of 0 to 2 percent. DEC 11/8/00
23B2	Blount silt loam, 2 to 4 percent slopes, eroded	Map unit was correlated 11/5/98. Map unit was added for an exact join with Champaign County. Map unit is linked to MLRA 110 DMU 43,894. DEC 11/8/00
56B	Dana silt loam, 2 to 5 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Edgar County (98IL-045-002). Map unit is linked to MLRA 108A DMU 43,904. The slope range is adjusted with this correlation from the published range of 1 to 5 percent to the correlated range of 2 to 5 percent. DEC 11/8/00
56B2	Dana silt loam, 2 to 5 percent slopes, eroded	Map unit was correlated 11/5/98. Map unit was primarily added for an exact join with McLean County. However, polygons of 56B with numerous severely eroded spot symbols were correlated to 56B2. Map unit is linked to MLRA 108A DMU 43,924. Map unit is a taxadjunct for thin mollic colors. Classifies as Oxyaquic Hapludalfs. DEC 11/8/00
67A	Harpster silty clay loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Ford County (67IL-053-001). Map unit is linked to MLRA 108A DMU 31,950. With this correlation the published symbol 67 is changed to 67A, and slope range is added to the map unit name. DEC 11/8/00
69A	Milford silty clay loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Iroquois County (59IL-075-001). Map unit is linked to MLRA 110 DMU 31,951. With this correlation the published symbol 69 is changed to 69A, and slope range is added to the map unit name. DEC 11/15/00
91A	Swygert silty clay loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Iroquois County (77IL-075-005). Map unit is linked to MLRA 110 DMU 31,952. DEC 11/15/00
91B2	Swygert silty clay loam, 2 to 4 percent slopes, eroded	Map unit was correlated 11/5/98. Map unit is linked to MLRA 110 DMU 43,917. Map unit is a taxadjunct for thin mollic colors. Classifies as Aquertic Hapludalfs. The slope range is adjusted with this correlation from the published range of 2 to 5 percent to the correlated range of 2 to 4 percent. DEC 11/15/00
102A	La Hogue loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Champaign County (77IL-019-023). Map unit is linked to MLRA 108A DMU 41,563. With this correlation the published symbol 102 is changed to 102A, and slope range is added to the map unit name. DEC 11/15/00
125A	Selma loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is from Iroquois County (00IL-075-001). Map unit is linked to MLRA 110 DMU 31,955. With this correlation the published symbol 125 is changed to 125A, and slope range is added to the map unit name. DEC 11/16/00
134A	Camden silt loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is from Ford County (83IL-053-003). Map unit is linked to MLRA 110 DMU 43,911. The slope range is adjusted with this correlation from the published range of 0 to 3 percent to the correlated range of 0 to 2 percent. DEC 11/16/00

Ford County Subset Notes (cont.)

Mapunit symbol	Mapunit name	Mapunit text notes
146A	Elliott silt loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Livingston County (85IL-105-034). Map unit is linked to MLRA 110 DMU 31,958. DEC 11/16/00
146B2	Elliott silty clay loam, 2 to 4 percent slopes, eroded	Map unit was correlated 11/5/98. Map unit is linked to MLRA 110 DMU 43,897. Map unit is a taxadjunct for thin mollic colors. Classifies as Aquollic Hapludalfs. With this correlation the surface texture is changed from silt loam to silty clay loam, and slope range is adjusted from the published range of 2 to 5 percent to the correlated range of 2 to 4 percent. DEC 11/16/00
147A	Clarence silty clay loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Iroquois County (77IL-075-009). Map unit is linked to MLRA 110 DMU 46,947. DEC 11/16/00
147B2	Clarence silty clay loam, 2 to 4 percent slopes, eroded	Map unit was correlated 11/5/98. Map unit is linked to MLRA 110 DMU 46,948. Map unit is a taxadjunct for thin mollic colors. Classifies as Aquollic Hapludalfs. With this correlation the surface texture is changed from silty clay to silty clay loam, and slope range is adjusted from the published range of 2 to 5 percent to the correlated range of 2 to 4 percent. DEC 11/16/00
148B	Proctor silt loam, 2 to 5 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Peoria County (85IL-143-006). Map unit is linked to MLRA 108B DMU 46,090. The slope range is adjusted with this correlation from the published range of 1 to 5 percent to the correlated range of 2 to 5 percent. DEC 11/17/00
148B2	Proctor silt loam, 2 to 5 percent slopes, eroded	Map unit was correlated 11/5/98. This map unit was added for an exact join with McLean County. Map unit is linked to MLRA 108A DMU 43,925. These eroded units are not taxadjuncts. DEC 11/17/00
149A	Brenton silt loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Champaign County (77IL-019-003). Map unit is linked to MLRA 108A DMU 41,582. With this correlation the published symbol 149 is changed to 149A, and slope range is added to the map unit name. DEC 11/17/00
150B	Onarga fine sandy loam, 2 to 5 percent slopes	Map unit was correlated 11/5/98. TUD is from Iroquois County (75IL-075-040). Map unit is linked to MLRA 110 DMU 46,943. The slope range is adjusted with this correlation from the published range of 1 to 5 percent to the correlated range of 2 to 5 percent. DEC 11/17/00
151A	Ridgeville fine sandy loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Iroquois County (56IL-075-001). Map unit is linked to MLRA 110 DMU 46,944. With this correlation the published symbol 151 is changed to 151A, and slope range is added to the map unit name. DEC 11/17/00
152A	Drummer silty clay loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Champaign County (77IL-019-034). Map unit is linked to MLRA 108A DMU 41,589. With this correlation the published symbol 152 is changed to 152A, and slope range is added to the map unit name. DEC 11/17/00
153A	Pella silty clay loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is from Ford County (83IL-053-006). Map unit is linked to MLRA 110 DMU 46,945. With this correlation the published symbol 153 is changed to 153A, and slope range is added to the map unit name. DEC 11/17/00

Ford County Subset Notes (cont.)

Mapunit symbol	Mapunit name	Mapunit text notes
189A	Martinton silt loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is from Livingston County (87IL-105-083). Map unit is linked to MLRA 110 DMU 31,963. With this correlation the published symbol 189 is changed to 189A, and slope range is added to the map unit name. DEC 11/17/00
192A	Del Rey silt loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Iroquois County (65IL-075-001). Map unit is linked to MLRA 110 DMU 31,965. With this correlation the published symbol 192 is changed to 192A, and slope range is added to the map unit name. DEC 11/17/00
221C2	Parr silt loam, 5 to 10 percent slopes, eroded	Map unit was correlated 11/15/00. Map unit is linked to MLRA 110 DMU 46,960. Map unit is a taxadjunct for thin mollic colors. Classifies as Oxyquic Hapludalfs. DEC 11/17/00
221C3	Parr clay loam, 5 to 10 percent slopes, severely eroded	Map unit was correlated 11/5/98. This map unit was previously correlated 495C3 Corwin. These soils in this subset do not have a densic layer in the lower part of the series control section, which is outside the range of the Corwin series. TUD is from Ford County (84IL-053-001). Map unit is linked to MLRA 108A DMU 46,958. Map unit is a taxadjunct for thin mollic colors. Classifies as Oxyquic Hapludalfs. DEC 11/17/00
223B2	Varna silt loam, 2 to 4 percent slopes, eroded	Map unit was correlated 11/5/98. TUD is from Ford County (81IL-053-016). Map unit is linked to MLRA 110 DMU 43,912. These eroded units are not taxadjuncts. The slope range is adjusted with this correlation from the published range of 1 to 5 percent to the correlated range of 2 to 4 percent. DEC 11/20/00
223C2	Varna silt loam, 4 to 6 percent slopes, eroded	Map unit was correlated 11/15/00. Map unit is linked to MLRA 110 DMU 31,968. Map unit is a taxadjunct for thin mollic colors. Classifies as Oxyquic Hapludalfs. Areas of this map unit with a correlated slope range of 4 to 6 percent will be separated out of areas of the published map unit 223B2 with 1 to 5 percent slopes by use of USGS topographic maps. DEC 11/20/00
230A	Rowe silty clay loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Iroquois County (77IL-075-008). Map unit is linked to MLRA 110 DMU 46,946. With this correlation the published symbol 230 is changed to 230A, and slope range is added to the map unit name. DEC 11/20/00
232A	Ashkum silty clay loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Will County (96IL-197-023). Map unit is linked to MLRA 110 DMU 31,969. With this correlation the published symbol 232 is changed to 232A, and slope range is added to the map unit name. DEC 11/20/00
235A	Bryce silty clay, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Iroquois County (77IL-075-006). Map unit is linked to MLRA 110 DMU 43,915. With this correlation the published symbol 235 is changed to 235A, surface texture is changed from silty clay loam to silty clay, and slope range is added to the map unit name. DEC 11/20/00
238A	Rantoul silty clay, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Livingston County (65IL-105-001). Map unit is linked to MLRA 110 DMU 46,949. With this correlation the published symbol 238 is changed to 238A, and slope range is added to the map unit name. DEC 11/20/00

Ford County Subset Notes (cont.)

Mapunit symbol	Mapunit name	Mapunit text notes
241C3	Chatsworth silty clay, 4 to 6 percent slopes, severely eroded	Map unit was correlated 11/5/98. Map unit is linked to MLRA 110 DMU 43,898. Areas of this map unit with a correlated slope of 4 to 6 percent will be separated out of areas of the published map unit 241C with 4 to 10 percent slopes by use of USGS topographic maps. Severe erosion has been added to the map unit name with this correlation. DEC 11/20/00
241D3	Chatsworth silty clay, 6 to 12 percent slopes, severely eroded	Map unit was correlated 11/5/98. TUD is the OSD pedon from Iroquois County (77IL-075-007). Map unit is linked to MLRA 110 DMU 43,916. Areas of this map unit with a correlated slope of 6 to 12 percent will be separated out of areas of the published map unit 241C with 4 to 10 percent slopes by use of USGS topographic maps. Severe erosion has been added to the map unit name with this correlation. DEC 11/20/00
294B	Symerton silt loam, 2 to 5 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Iroquois County (79IL-075-040). Map unit is linked to MLRA 110 DMU 46,316. The slope range is adjusted with this correlation from the published range of 1 to 5 percent to the correlated range of 2 to 5 percent. DEC 11/20/00
295A	Mokena silt loam, 0 to 2 percent slopes	Map unit was correlated 11/15/00. Map unit was added for join with Iroquois County. TUD is from Kankakee County (00IL-091-002). Map unit is linked to MLRA 110 DMU 46,955. DEC 11/20/00
330A	Peotone silty clay loam, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is the OSD pedon from Ford County (83IL-053-021). Map unit is linked to MLRA 110 DMU 31,980. With this correlation the published symbol 330 is changed to 330A, and slope range is added to the map unit name. DEC 11/20/00
375A	Rutland silty clay loam, 0 to 2 percent slopes	Map unit was correlated 11/15/00. Map unit is linked to MLRA 110 DMU 46,957. Areas of this map unit with a correlated slope of 0 to 2 percent will be separated out of areas of the published map unit 375B with 1 to 5 percent slopes by use of USGS topographic maps. DEC 11/20/00
375B	Rutland silty clay loam, 2 to 5 percent slopes	Map unit was correlated 11/15/00. TUD is from Woodford County (90IL-203-049). Map unit is linked to MLRA 110 DMU 46,956. With this correlation the surface texture is changed from silt loam to silty clay loam, and slope range is adjusted from the published range of 1 to 5 percent to the correlated range of 2 to 5 percent. DEC 11/20/00
481A	Raub silt loam, 0 to 2 percent slopes	Map unit was correlated 11/15/00. TUD is from Champaign County (76IL-019-053). Map unit is linked to MLRA 108A DMU 41,891. The slope range is adjusted with this correlation from the published range of 0 to 3 percent to the correlated range of 0 to 2 percent. DEC 11/20/00
530B	Ozaukee silt loam, 2 to 4 percent slopes	Map unit was correlated 11/5/98. This map unit was previously correlated 194B Morley. These soils in this subset average more than 50 percent silt in the lower part of the series control section, which is outside the range of the Morley series. TUD is from DuPage County (97IL-043-004). Map unit is linked to MLRA 110 DMU 31,990. The slope range is adjusted with this correlation from the published range of 1 to 5 percent to the correlated range of 2 to 4 percent. DEC 11/20/00.
530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded	Map unit was correlated 11/5/98. This map unit was added for an exact join with Champaign County. Map unit is linked to MLRA 110 DMU 31,992. DEC 11/20/00

Ford County Subset Notes (cont.)

Mapunit symbol	Mapunit name	Mapunit text notes
530E2	Ozaukee silt loam, 12 to 20 percent slopes, eroded	Map unit was correlated 11/5/98. This map unit was added for an exact join with Champaign County. Map unit is linked to MLRA 110 DMU 43,926. DEC 11/20/00
541B2	Graymont silt loam, 2 to 5 percent slopes, eroded	Map unit was correlated 11/15/00. This map unit was previously correlated 145B2 Saybrook. These soils in this subset average more than 50 percent silt in the lower part of the series control section which is outside the range of the Saybrook series. TUD is from Bureau County (84IL-011-064). Map unit is linked to MLRA 108A DMU 41,171. Map unit is a taxadjunct for thin mollic colors. Classifies as Oxyaquic Hapludalfs. DEC 11/21/00
570C2	Martinsville loam, 5 to 10 percent slopes, eroded	Map unit was correlated 11/15/00. This map unit was added for an exact join with Champaign County. Map unit is linked to MLRA 108A DMU 41,659. DEC 11/20/00
614A	Chenoa silty clay loam, 0 to 2 percent slopes	Map unit was correlated 11/15/00. This map unit was previously correlated 59A Lisbon. These soils in this subset average more than 50 percent silt in the lower part of the series control section which is outside the range of the Lisbon series. TUD is the OSD pedon from Livingston County (87IL-105-121). Map unit is linked to MLRA 110 DMU 32,002. DEC 11/21/00
687B	Penfield loam, 2 to 5 percent slopes	Map unit was correlated 11/15/00. This map unit was previously correlated 440B Jasper. These soils in this subset have redoximorphic features in the lower part of the profile below a depth of 40 inches which are not in the range of the Jasper series. TUD is the OSD pedon from Champaign County (98IL-019-012). Map unit is linked to MLRA 108A DMU 42,036. DEC 11/20/00.
802B	Orthents, loamy, undulating	Map unit was correlated 11/15/00. Map unit is linked to MLRA 110 DMU 32,009. DEC 11/20/00
805B	Orthents, clayey, undulating	Map unit was correlated 11/5/98. Map unit is linked to MLRA 110 DMU 32,011. With this correlation the published symbol 805 is changed to 805B, and a complex slope class is added to the map unit name. DEC 11/20/00
865	Pits, gravel	Map unit was correlated 11/5/98. Map unit is linked to MLRA 110 DMU 32,016. DEC 11/20/00
1103A	Houghton muck, undrained, 0 to 2 percent slopes	Map unit was correlated 11/5/98. TUD is from Ford County (83IL-053-048). Map unit is linked to MLRA 110 DMU 46,951. With this correlation the published symbol 103 is changed to 1103A, and drainage phase and slope range are added to the map unit name. DEC 11/20/00
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	Map unit was correlated 11/5/98. TUD is the OSD pedon from Sangamon County (99IL-167-008). Map unit is linked to MLRA 108B DMU 43,922. With this correlation the published symbol 107 is changed to 3107A, and slope and flooding frequency are added to the map unit name. DEC 11/21/00
3405A	Zook silty clay, 0 to 2 percent slopes, frequently flooded	Map unit was correlated 11/5/98. TUD is from Iroquois County (76IL-075-0040. Map unit is linked to MLRA 110 DMU 46,959. With this correlation the published symbol 405 is changed to 3405A, surface texture is changed from silty clay loam to silty clay, and slope and flooding frequency are added to the map unit name. DEC 11/21/00
W	Water	Map unit was correlated 11/5/98. Map unit is linked to DMU 46,010. DEC 11/21/00

Prime Farmland
Ford County, Illinois

Map symbol	Soil name
23A	Blount silt loam 0 to 2 percent slopes (Prime farmland if drained)
23B2	Blount silt loam, 2 to 4 percent slopes, eroded
56B	Dana silt loam, 2 to 5 percent slopes
56B2	Dana silt loam, 2 to 5 percent slopes, eroded
67A	Harpster silty clay loam, 0 to 2 percent slopes (Prime farmland if drained)
69A	Milford silty clay loam, 0 to 2 percent slopes (Prime farmland if drained)
91A	Swygert silty clay loam, 0 to 2 percent slopes
91B2	Swygert silty clay loam, 2 to 4 percent slopes, eroded
102A	La Hogue loam, 0 to 2 percent slopes
125A	Selma loam, 0 to 2 percent slopes (Prime farmland if drained)
134A	Camden silt loam, 0 to 2 percent slopes
146A	Elliott silt loam, 0 to 2 percent slopes
146B2	Elliott silty clay loam, 2 to 4 percent slopes, eroded
148B	Proctor silt loam, 2 to 5 percent slopes
148B2	Proctor silt loam, 2 to 5 percent slopes, eroded
149A	Brenton silt loam, 0 to 2 percent slopes
150B	Onarga fine sandy loam, 2 to 5 percent slopes
151A	Ridgeville fine sandy loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes (Prime farmland if drained)
153A	Pella silty clay loam, 0 to 2 percent slopes (Prime farmland if drained)
189A	Martinton silt loam, 0 to 2 percent slopes
192A	Del Rey silt loam, 0 to 2 percent slopes (Prime farmland if drained)
221C2	Parr silt loam, 5 to 10 percent slopes, eroded
223B2	Varna silt loam, 2 to 4 percent slopes, eroded
223C2	Varna silt loam, 4 to 6 percent slopes, eroded
232A	Ashkum silty clay loam, 0 to 2 percent slopes (Prime farmland if drained)
235A	Bryce silty clay, 0 to 2 percent slopes (Prime farmland if drained)
294B	Symerton silt loam, 2 to 5 percent slopes
295A	Mokena silt loam, 0 to 2 percent slopes
330A	Peotone silty clay loam, 0 to 2 percent slopes (Prime farmland if drained)
375A	Rutland silty clay loam, 0 to 2 percent slopes
375B	Rutland silty clay loam, 2 to 5 percent slopes
481A	Raub silt loam, 0 to 2 percent slopes
530B	Ozaukee silt loam, 2 to 4 percent slopes
541B2	Graymont silt loam, 2 to 5 percent slopes, eroded
614A	Chenoa silty clay loam, 0 to 2 percent slopes
687B	Penfield loam, 2 to 5 percent slopes
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
3405A	Zook silty clay, 0 to 2 percent slopes, frequently flooded (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name.)

Classification of the Soils
Ford County, Illinois

Soil name	Family or higher taxonomic class
Ashkum-----	Fine, mixed, superactive, mesic Typic Endoaquolls
Blount-----	Fine, illitic, mesic Aeric Epiqualfs
Brenton-----	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Bryce-----	Fine, mixed, superactive, mesic Vertic Endoaquolls
Camden-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Chatsworth-----	Fine, illitic, mesic Oxyaquic Eutrudepts
Chenoca-----	Fine, illitic, mesic Aquic Argiudolls
**Clarence-----	Fine, illitic, mesic Aquic Argiudolls
**Dana-----	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Del Rey-----	Fine, illitic, mesic Aeric Epiqualfs
Drummer-----	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
**Elliott-----	Fine, illitic, mesic Aquic Argiudolls
*Graymont-----	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Harpster-----	Fine-silty, mixed, superactive, mesic Typic Calcicquolls
Houghton-----	Euic, mesic Typic Haplosaprists
La Hogue-----	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Martinsville-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Martinton-----	Fine, illitic, mesic Aquic Argiudolls
Milford-----	Fine, mixed, superactive, mesic Typic Endoaquolls
Mokena-----	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Onarga-----	Coarse-loamy, mixed, superactive, mesic Typic Argiudolls
Orthents, Clayey-----	Fine, mixed, active, nonacid, mesic Aquic Udorthents
Orthents, Loamy-----	Fine-loamy, mixed, active, nonacid, mesic Oxyaquic Udorthents
Ozaukee-----	Fine, illitic, mesic Oxyaquic Hapludalfs
*Parr-----	Fine-loamy, mixed, active, mesic Oxyaquic Argiudolls
Pella-----	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Penfield-----	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
Peotone-----	Fine, smectitic, mesic Cumulic Vertic Endoaquolls
Proctor-----	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Rantoul-----	Fine, smectitic, mesic Cumulic Vertic Endoaquolls
Raub-----	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Ridgeville-----	Coarse-loamy, mixed, superactive, mesic Aquic Argiudolls
Rowe-----	Fine, mixed, superactive, mesic Vertic Argiaquolls
Rutland-----	Fine, smectitic, mesic Aquic Argiudolls
Sawmill-----	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
Selma-----	Fine-loamy, mixed, superactive, mesic Typic Endoaquolls
**Swygert-----	Fine, mixed, superactive, mesic Aquertic Argiudolls
Symerton-----	Fine-loamy, mixed, superactive, mesic Oxyaquic Argiudolls
**Varna-----	Fine, illitic, mesic Oxyaquic Argiudolls
Zook-----	Fine, smectitic, mesic Cumulic Vertic Endoaquolls

(One asterisk in the first column indicates that the soil is a taxadjunct to the series. Two asterisks in the first column indicate that only certain map units are taxadjuncts to the series. See "Notes to Accompany the Correlation and Classification of Soils in Ford County" for a description of those characteristics that are outside the range of the series.)

Certification Statement

The MLRA Region 11 Team Leader certifies that:

- a. The fieldwork activities were completed in September 2000.
- b. Ford County joins six modern soil surveys.

Champaign County, a subset of MLRAs 108A and 110, is to the south. (has been updated and certified and to be published in 2000)

Iroquois County, a subset of MLRAs 98 and 110, is to the east. (published 1982)

Kankakee County, a subset of MLRAs 98 and 110, is to the north. (published 1979)

Livingston County, a subset of MLRAs 108A and 110, is to the west. (published 1996)

McLean County, a subset of MLRAs 108A and 110, is to the west. (has been updated with certification and publication in 2001)

Vermilion County, a subset of MLRAs 108A, 110, and 111, is to the east. (published in 1996)

An exact join has been completed with Champaign and McLean Counties. The remaining counties have an acceptable join and will have an exact join when they are updated to their respective MLRA legends.

- c. Interpretations have been coordinated and agree with adjoining survey areas.
- d. The locations of all typical pedons have been checked for accuracy, and that they occur in delineations using those names. Typical pedons are those that represent the taxonomic units in MLRAs 108A, 108B, or 110. Not all typical pedons are located in Ford County but are within other subsets of those MLRAs.
- e. All typical pedons are classified according to Keys to Soil Taxonomy, 8th edition, 1998.
- f. The digital soil maps once complete will be reviewed for accuracy and consistency.

Approval Signature and Date:

Travis Neely 12/28/00

Travis Neely Date
Team Leader, MLRA Region 11
USDA, NRCS
Indianapolis, IN 46278

Robert M. Leese 2/3/01

William J. Gradle Date
State Conservationist
USDA, NRCS
Champaign, IL 61820