

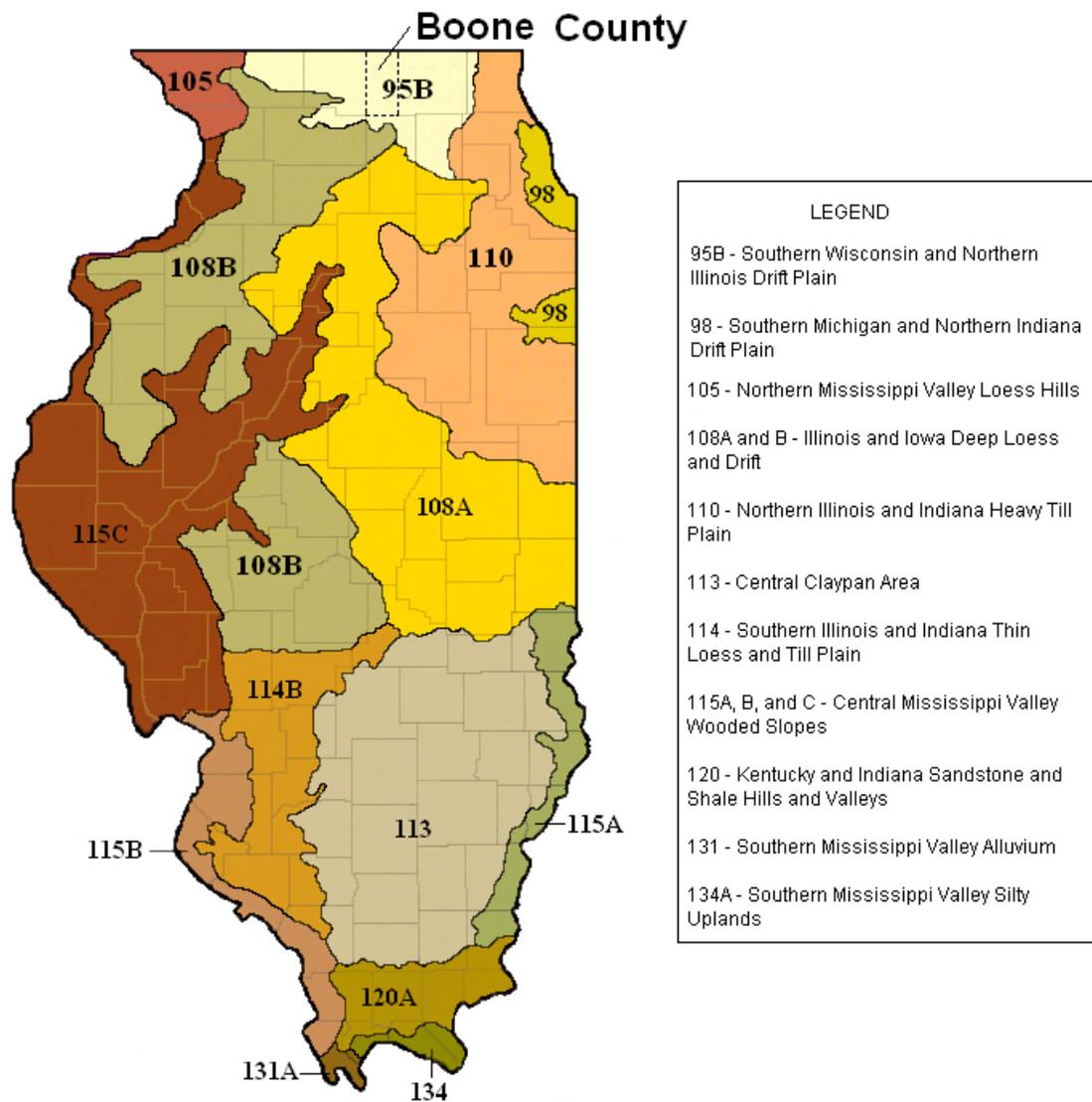
United States Department of
Agriculture

Natural Resources
Conservation Service

East Central Glaciated
Regional MLRA
Soil Survey Office
Indianapolis, IN

Classification and Correlation of Soils in Boone County, Illinois

A Subset of MLRA 95B



March 2006

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

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

A Subset of MLRA 95B

March 2006

This correlation was prepared by Dale E. Calsyn, MLRA team leader, Aurora, Asghar A. Chowdhery, Soil Data Quality Specialist (SDQS) MLRA Region 11 team, Indianapolis, IN; and John C. Doll, MLRA Update Coordinator, Champaign State Office. It was prepared as part of the update of the Soil Survey of Boone County, a subset of MLRA 95B. Legend assistance was held September 22-23, 2004, June 22-23, 2005, and November 9-10, 2005. This correlation is based on decisions made at these conferences. Decisions were based on field reviews, transect data, field notes, pedon descriptions, field soil maps, "Classification and Correlation of the Soils of Winnebago and Boone Counties, Illinois" - October 1976, and the published soil survey report - March 1980.

Headnote for detailed soil survey legend:

This update of the Soil Survey of Boone County, Illinois is an update of a subset of the Soil Survey of Major Land Resource Areas (MLRA) 95B. Map units and their symbols and special and conventional symbols are consistent between subsets that are being updated. Map unit symbols consist of a combination of numbers and letters. The initial numbers represent the kind of soil. A capital letter following those numbers indicates the class of slope. A final number of 2 following the slope letter indicates that the soil is moderately eroded, and a number 3 indicates that it is severely eroded. Absence of a number following the slope class indicates that the soil is slightly eroded or non-eroded. Map unit symbols without a slope class letter are for miscellaneous units.

Soil Correlation Legend of Boone County, Illinois

(This legend represents the majority of the standard correlations that took place with this update. With certain polygons, however, correlations were made outside this legend which were based on field investigations, enhanced photo tones, topographic maps, changes in land use, and/or refined soil-landscape relationships.)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
21B	Pecatonica silt loam, 2 to 5 percent slopes	21B	Pecatonica silt loam, 2 to 5 percent slopes
21C2 21C2	Pecatonica silt loam, 5 to 9 percent slopes, eroded Pecatonica silt loam, 5 to 10 percent slopes, eroded	21C2	Pecatonica silt loam, 5 to 10 percent slopes, eroded
22B	Westville silt loam, 2 to 5 percent slopes	22B	Westville silt loam, 2 to 5 percent slopes
22C2 22C2	Westville silt loam, 5 to 9 percent slopes, eroded Westville silt loam, 5 to 10 percent slopes, eroded	22C2	Westville silt loam, 5 to 10 percent slopes, eroded
22D2 22D2	Westville silt loam, 9 to 15 percent slopes, eroded Westville silt loam, 10 to 18 percent slopes, eroded	22D2	Westville silt loam, 10 to 18 percent slopes, eroded
41 51A	Muscatine silt loam Muscatune silt loam, 0 to 2 percent slopes	51A	Muscatune silt loam, 0 to 2 percent slopes
59 59A	Lisbon silt loam Lisbon silt loam, 0 to 2 percent slopes	59A	Lisbon silt loam, 0 to 2 percent slopes
61 61A	Atterberry silt loam Atterberry silt loam, 0 to 2 percent slopes	61A	Atterberry silt loam, 0 to 2 percent slopes
62 62A	Herbert silt loam Herbert silt loam, 0 to 2 percent slopes	62A	Herbert silt loam, 0 to 2 percent slopes
68 68A	Sable silty clay loam Sable silty clay loam, 0 to 2 percent slopes	68A	Sable silty clay loam, 0 to 2 percent slopes
68A+ 415	Sable silt loam, 0 to 2 percent slopes, overwash Orion silt loam	68A+	Sable silt loam, 0 to 2 percent slopes, overwash
36A 86A	Tama silt loam, 0 to 2 percent slopes Osco silt loam, 0 to 2 percent slopes	86A	Osco silt loam, 0 to 2 percent slopes
36B 86B	Tama silt loam, 2 to 5 percent slopes Osco silt loam, 2 to 5 percent slopes	86B	Osco silt loam, 2 to 5 percent slopes
87A	Dickinson sandy loam, 0 to 2 percent slopes	87A	Dickinson sandy loam, 0 to 2 percent slopes
100 100A	Palms muck Palms muck, 0 to 2 percent slopes	100A	Palms muck, 0 to 2 percent slopes
102 102A	La Hogue silt loam La Hogue loam, 0 to 2 percent slopes	102A	La Hogue loam, 0 to 2 percent slopes
103 103A	Houghton muck Houghton muck, 0 to 2 percent slopes	103A	Houghton muck, 0 to 2 percent slopes
104 104A	Virgil silt loam Virgil silt loam, 0 to 2 percent slopes	104A	Virgil silt loam, 0 to 2 percent slopes

Boone County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
119B 119B 259B2	Elco silt loam, 2 to 5 percent slopes Elco silt loam, 2 to 6 percent slopes Assumption silt loam, 2 to 6 percent slopes, eroded	119B	Elco silt loam, 2 to 5 percent slopes
125 125A	Selma loam Selma loam, 0 to 2 percent slopes	125A	Selma loam, 0 to 2 percent slopes
134A	Camden silt loam, 0 to 2 percent slopes	134A	Camden silt loam, 0 to 2 percent slopes
146 146A	Elliott silt loam Elliott silt loam, 0 to 2 percent slopes	146A	Elliott silt loam, 0 to 2 percent slopes
148A	Proctor silt loam, 0 to 2 percent slopes	148A	Proctor silt loam, 0 to 2 percent slopes
148B	Proctor silt loam, 2 to 5 percent slopes	148B	Proctor silt loam, 2 to 5 percent slopes
149A	Brenton silt loam, 0 to 2 percent slopes	149A	Brenton silt loam, 0 to 2 percent slopes
152 152A	Drummer silty clay loam Drummer silty clay loam, 0 to 2 percent slopes	152A	Drummer silty clay loam, 0 to 2 percent slopes
152A+ 415	Drummer silt loam, 0 to 2 percent slopes, overwash Orion silt loam	152A+	Drummer silt loam, 0 to 2 percent slopes, overwash
152 153A	Drummer silty clay loam Pella silty clay loam, 0 to 2 percent slopes	153A	Pella silty clay loam, 0 to 2 percent slopes
172 172A	Hoopeston sandy loam Hoopeston sandy loam, 0 to 2 percent slopes	172A	Hoopeston sandy loam, 0 to 2 percent slopes
188 188A	Beardstown loam Beardstown loam, 0 to 2 percent slopes	188A	Beardstown loam, 0 to 2 percent slopes
197 197A	Troxel silt loam Troxel silt loam, 0 to 2 percent slopes	197A	Troxel silt loam, 0 to 2 percent slopes
198 198A	Elburn silt loam Elburn silt loam, 0 to 2 percent slopes	198A	Elburn silt loam, 0 to 2 percent slopes
199A	Plano silt loam, 0 to 2 percent slopes	199A	Plano silt loam, 0 to 2 percent slopes
199B	Plano silt loam, 2 to 5 percent slopes	199B	Plano silt loam, 2 to 5 percent slopes
199C2 199C2	Plano silt loam, 5 to 9 percent slopes, eroded Plano silt loam, 5 to 10 percent slopes, eroded	199C2	Plano silt loam, 5 to 10 percent slopes, eroded
206A	Thorp 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	219A	Millbrook silt loam, 0 to 2 percent slopes
221B	Parr silt loam, 2 to 5 percent slopes	221B	Parr silt loam, 2 to 5 percent slopes
221C2 221C2	Parr silt loam, 5 to 9 percent slopes, eroded Parr silt loam, 5 to 10 percent slopes, eroded	221C2	Parr silt loam, 5 to 10 percent slopes, eroded
223B 223B	Varna silt loam, 2 to 4 percent slopes Varna silt loam, 2 to 6 percent slopes	223B	Varna silt loam, 2 to 4 percent slopes

Boone County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
227B 227B	Argyle silt loam, 2 to 5 percent slopes Argyle silt loam, 2 to 6 percent slopes	227B	Argyle silt loam, 2 to 5 percent slopes
242 242A	Kendall silt loam Kendall silt loam, 0 to 2 percent slopes	242A	Kendall silt loam, 0 to 2 percent slopes
243A	St. Charles silt loam, 0 to 2 percent slopes	243A	St. Charles silt loam, 0 to 2 percent slopes
243B	St. Charles silt loam, 2 to 5 percent slopes	243B	St. Charles silt loam, 2 to 5 percent slopes
243C2 243C2	St. Charles silt loam, 5 to 9 percent slopes, eroded St. Charles silt loam, 5 to 10 percent slopes, eroded	243C2	St. Charles silt loam, 5 to 10 percent slopes, eroded
278 278A	Stronghurst silt loam Stronghurst silt loam, 0 to 2 percent slopes	278A	Stronghurst silt loam, 0 to 2 percent slopes
279A 279A	Rozetta silt loam, 0 to 2 percent slopes Rozetta silt loam, 0 to 3 percent slopes	279A	Rozetta silt loam, 0 to 2 percent slopes
280B	Fayette silt loam, 2 to 5 percent slopes	280B	Fayette silt loam, 2 to 5 percent slopes
280C2 280C2	Fayette silt loam, 5 to 9 percent slopes, eroded Fayette silt loam, 5 to 10 percent slopes, eroded	280C2	Fayette silt loam, 5 to 10 percent slopes, eroded
290A	Warsaw loam, 0 to 2 percent slopes	290A	Warsaw loam, 0 to 2 percent slopes
290B 290B	Warsaw loam, 2 to 4 percent slopes Warsaw loam, 2 to 5 percent slopes	290B	Warsaw loam, 2 to 4 percent slopes
290C2 290C2	Warsaw loam, 4 to 6 percent slopes, eroded Warsaw loam, 5 to 9 percent slopes, eroded	290C2	Warsaw loam, 4 to 6 percent slopes, eroded
290C2 290D2	Warsaw loam, 5 to 9 percent slopes, eroded Warsaw loam, 6 to 12 percent slopes, eroded	290D2	Warsaw loam, 6 to 12 percent slopes, eroded
293 293A	Andres silt loam Andres silt loam, 0 to 2 percent slopes	293A	Andres silt loam, 0 to 2 percent slopes
297B 297B 363B	Ringwood silt loam, 2 to 4 percent slopes Ringwood silt loam, 2 to 5 percent slopes Griswold sandy loam, 2 to 5 percent slopes	297B	Ringwood silt loam, 2 to 4 percent slopes
297C2 297C2	Ringwood silt loam, 4 to 6 percent slopes, eroded Ringwood silt loam, 5 to 9 percent slopes, eroded	297C2	Ringwood silt loam, 4 to 6 percent slopes, eroded
297C2 297D2	Ringwood silt loam, 5 to 9 percent slopes, eroded Ringwood silt loam, 6 to 12 percent slopes, eroded	297D2	Ringwood silt loam, 6 to 12 percent slopes, eroded
310B 310B	McHenry silt loam, 2 to 4 percent slopes McHenry silt loam, 2 to 5 percent slopes	310B	McHenry silt loam, 2 to 4 percent slopes
310C2 310C2	McHenry silt loam, 4 to 6 percent slopes, eroded McHenry silt loam, 5 to 9 percent slopes, eroded	310C2	McHenry silt loam, 4 to 6 percent slopes, eroded
310C2 310D2	McHenry silt loam, 5 to 9 percent slopes, eroded McHenry silt loam, 6 to 12 percent slopes, eroded	310D2	McHenry silt loam, 6 to 12 percent slopes, eroded
325B	Dresden silt loam, 2 to 4 percent slopes	325B	Dresden silt loam, 2 to 4 percent slopes

Boone County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
325C2	Dresden silt loam, 4 to 6 percent slopes, eroded	325C2	Dresden silt loam, 4 to 6 percent slopes, eroded
327B 327B	Fox loam, 1 to 5 percent slopes Fox silt loam, 2 to 4 percent slopes	327B	Fox silt loam, 2 to 4 percent slopes
327C2 327C2	Fox silt loam, 4 to 6 percent slopes, eroded Fox loam, 5 to 9 percent slopes, eroded	327C2	Fox silt loam, 4 to 6 percent slopes, eroded
327C2 327D2	Fox loam, 5 to 9 percent slopes, eroded Fox loam, 6 to 12 percent slopes, eroded	327D2	Fox loam, 6 to 12 percent slopes, eroded
329 329A	Will loam Will loam, 0 to 2 percent slopes	329A	Will loam, 0 to 2 percent slopes
332A	Billett sandy loam, 0 to 2 percent slopes	332A	Billett sandy loam, 0 to 2 percent slopes
332B 332B	Billett sandy loam, 2 to 5 percent slopes Billett sandy loam, 2 to 6 percent slopes	332B	Billett sandy loam, 2 to 5 percent slopes
343 343A	Kane silt loam Kane silt loam, 0 to 2 percent slopes	343A	Kane silt loam, 0 to 2 percent slopes
344A	Harvard silt loam, 0 to 2 percent slopes	344A	Harvard silt loam, 0 to 2 percent slopes
344B	Harvard silt loam, 2 to 5 percent slopes	344B	Harvard silt loam, 2 to 5 percent slopes
354A 354A	Hononegah loamy coarse sand, 0 to 2 percent slopes Hononegah loamy coarse sand, 0 to 3 percent slopes	354A	Hononegah loamy coarse sand, 0 to 2 percent slopes
354B 354B	Hononegah loamy coarse sand, 2 to 6 percent slopes Hononegah loamy coarse sand, 3 to 7 percent slopes	354B	Hononegah loamy coarse sand, 2 to 6 percent slopes
361B 361B	Kidder loam, 2 to 4 percent slopes Kidder loam, 2 to 5 percent slopes	361B	Kidder loam, 2 to 4 percent slopes
361C2 361C2	Kidder loam, 4 to 6 percent slopes, eroded Kidder loam, 5 to 9 percent slopes, eroded	361C2	Kidder loam, 4 to 6 percent slopes, eroded
361C2 361D2 361D2	Kidder loam, 5 to 9 percent slopes, eroded Kidder loam, 6 to 12 percent slopes, eroded Kidder loam, 9 to 15 percent slopes, eroded	361D2	Kidder loam, 6 to 12 percent slopes, eroded
361D3 361D3	Kidder clay loam, 9 to 15 percent slopes, severely eroded Kidder clay loam, 6 to 12 percent slopes, severely eroded	361D3	Kidder clay loam, 6 to 12 percent slopes, severely eroded
361D2 361E2	Kidder loam, 9 to 15 percent slopes, eroded Kidder loam, 12 to 20 percent slopes, eroded	361E2	Kidder loam, 12 to 20 percent slopes, eroded
363C2 363C2	Griswold loam, 4 to 6 percent slopes, eroded Griswold sandy loam, 5 to 9 percent slopes, eroded	363C2	Griswold loam, 4 to 6 percent slopes, eroded
363C2 363D2 363D2	Griswold sandy loam, 5 to 9 percent slopes, eroded Griswold loam, 6 to 12 percent slopes, eroded Griswold sandy loam, 9 to 15 percent slopes, eroded	363D2	Griswold loam, 6 to 12 percent slopes, eroded
369 369A	Waupecan silt loam Waupecan silt loam, 0 to 2 percent slopes	369A	Waupecan silt loam, 0 to 2 percent slopes

Boone County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
379A 379A	Dakota loam, 0 to 2 percent slopes Dakota silt loam, 0 to 3 percent slopes	379A	Dakota loam, 0 to 2 percent slopes
387A	Ockley silt loam, 0 to 2 percent slopes	387A	Ockley silt loam, 0 to 2 percent slopes
387B	Ockley silt loam, 2 to 5 percent slopes	387B	Ockley silt loam, 2 to 5 percent slopes
403E 504E	Elizabeth silt loam, 12 to 35 percent slopes Sogn silt loam, 12 to 30 percent slopes	403E	Elizabeth silt loam, 12 to 35 percent slopes
412B	Ogle silt loam, 2 to 5 percent slopes	412B	Ogle silt loam, 2 to 5 percent slopes
419A	Flagg silt loam, 0 to 2 percent slopes	419A	Flagg silt loam, 0 to 2 percent slopes
419B	Flagg silt loam, 2 to 5 percent slopes	419B	Flagg silt loam, 2 to 5 percent slopes
419C2 419C2	Flagg silt loam, 5 to 9 percent slopes, eroded Flagg silt loam, 5 to 10 percent slopes, eroded	419C2	Flagg silt loam, 5 to 10 percent slopes, eroded
440A	Jasper silt loam, 0 to 2 percent slopes	440A	Jasper silt loam, 0 to 2 percent slopes
440B	Jasper silt loam, 2 to 5 percent slopes	440B	Jasper silt loam, 2 to 5 percent slopes
440C2 440C2	Jasper silt loam, 5 to 9 percent slopes, eroded Jasper silt loam, 5 to 10 percent slopes, eroded	440C2	Jasper silt loam, 5 to 10 percent slopes, eroded
490 490A	Odell silt loam Odell silt loam, 0 to 2 percent slopes	490A	Odell silt loam, 0 to 2 percent slopes
503B	Rockton silt loam, 2 to 6 percent slopes	503B	Rockton silt loam, 2 to 6 percent slopes
505C2 505D2 505D2	Dunbarton silt loam, 4 to 7 percent slopes, eroded Dunbarton silt loam, 6 to 12 percent slopes, eroded Dunbarton silt loam, 7 to 12 percent slopes, eroded	505D2	Dunbarton silt loam, 6 to 12 percent slopes, eroded
505E2	Dunbarton silt loam, 12 to 20 percent slopes, eroded	505E2	Dunbarton silt loam, 12 to 20 percent slopes, eroded
411B 506A 506B	Ashdale silt loam, 2 to 5 percent slopes Hitt silt loam, 0 to 2 percent slopes Hitt silt loam, 2 to 5 percent slopes	506B	Hitt silt loam, 2 to 5 percent slopes
512A	Danabrook silt loam, 0 to 2 percent slopes	512A	Danabrook silt loam, 0 to 2 percent slopes
145B 512B 2145B	Saybrook silt loam, 2 to 5 percent slopes Danabrook silt loam, 2 to 5 percent slopes Urban land-Saybrook complex, 1 to 7 percent slopes	512B	Danabrook silt loam, 2 to 5 percent slopes
145C2 512C2	Saybrook silt loam, 5 to 9 percent slopes, eroded Danabrook silt loam, 5 to 10 percent slopes, eroded	512C2	Danabrook silt loam, 5 to 10 percent slopes, eroded
523A	Dunham silty clay loam, 0 to 2 percent slopes	523A	Dunham silty clay loam, 0 to 2 percent slopes
526A	Grundelein silt loam, 0 to 2 percent slopes	526A	Grundelein silt loam, 0 to 2 percent slopes
27B 527B	Miami silt loam, 1 to 5 percent slopes Kidami silt loam, 2 to 4 percent slopes	527B	Kidami silt loam, 2 to 4 percent slopes
27C2 527C2	Miami silt loam, 5 to 9 percent slopes, eroded Kidami loam, 4 to 6 percent slopes, eroded	527C2	Kidami loam, 4 to 6 percent slopes, eroded

Boone County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
27C2 527D2	Miami silt loam, 5 to 9 percent slopes, eroded Kidami loam, 6 to 12 percent slopes, eroded	527D2	Kidami loam, 6 to 12 percent slopes, eroded
102 528A	La Hogue silt loam Lahoguess loam, 0 to 2 percent slopes	528A	Lahoguess loam, 0 to 2 percent slopes
125 529A	Selma loam Selmass loam, 0 to 2 percent slopes	529A	Selmass loam, 0 to 2 percent slopes
543B	Piscasaw silt loam, 2 to 4 percent slopes	543B	Piscasaw silt loam, 2 to 4 percent slopes
544A	Torox silt loam, 0 to 2 percent slopes	544A	Torox silt loam, 0 to 2 percent slopes
545A	Windere silt loam, 0 to 2 percent slopes	545A	Windere silt loam, 0 to 2 percent slopes
545B	Windere silt loam, 2 to 4 percent slopes	545B	Windere silt loam, 2 to 4 percent slopes
429B 561B	Palsgrove silt loam, 2 to 5 percent slopes Whalan and NewGlarus silt loams, 2 to 5 percent slopes	561B	Whalan and NewGlarus silt loams, 2 to 5 percent slopes
429C2 561C2 561C2	Palsgrove silt loam, 5 to 9 percent slopes, eroded Whalan and NewGlarus silt loams, 5 to 9 percent slopes, eroded Whalan and NewGlarus silt loams, 5 to 10 percent slopes, eroded	561C2	Whalan and NewGlarus silt loams, 5 to 10 percent slopes, eroded
561D2 561D2	Whalan and NewGlarus silt loams, 9 to 15 percent slopes, eroded Whalan and NewGlarus silt loams, 10 to 15 percent slopes, eroded	561D2	Whalan and NewGlarus silt loams, 10 to 15 percent slopes, eroded
566B 769B	Rockton and Dodgeville soils, 2 to 5 percent slopes Edmund silt loam, 2 to 5 percent slopes	566B	Rockton and Dodgeville soils, 2 to 5 percent slopes
504C 506C2 566C2 566C2 769C	Sogn silt loam, 4 to 12 percent slopes Hitt silt loam, 5 to 9 percent slopes, eroded Rockton and Dodgeville soils, 5 to 9 percent slopes, eroded Rockton and Dodgeville soils, 5 to 10 percent slopes, eroded Edmund silt loam, 5 to 9 percent slopes	566C2	Rockton and Dodgeville soils, 5 to 10 percent slopes, eroded
566D2 566D2 769D2	Rockton and Dodgeville soils, 9 to 15 percent slopes, eroded Rockton and Dodgeville soils, 10 to 15 percent slopes, eroded Edmund silt loam, 9 to 15 percent slopes, eroded	566D2	Rockton and Dodgeville soils, 10 to 15 percent slopes, eroded
570A	Martinsville silt loam, 0 to 2 percent slopes	570A	Martinsville silt loam, 0 to 2 percent slopes
570B 570B	Martinsville silt loam, 2 to 4 percent slopes Martinsville silt loam, 2 to 5 percent slopes	570B	Martinsville silt loam, 2 to 4 percent slopes
570C2 570C2	Martinsville silt loam, 4 to 6 percent slopes, eroded Martinsville silt loam, 5 to 9 percent slopes, eroded	570C2	Martinsville silt loam, 4 to 6 percent slopes, eroded
570C2 570D2	Martinsville silt loam, 5 to 9 percent slopes, eroded Martinsville silt loam, 6 to 12 percent slopes, eroded	570D2	Martinsville silt loam, 6 to 12 percent slopes, eroded

Boone County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
27B 618B	Miami silt loam, 1 to 5 percent slopes Senachwine silt loam, 2 to 5 percent slopes	618B	Senachwine silt loam, 2 to 5 percent slopes
398A 623A 2398A	Wea silt loam, 0 to 2 percent slopes Kishwaukee silt loam, 0 to 2 percent slopes Urban land-Wea complex, 0 to 3 percent slopes	623A	Kishwaukee silt loam, 0 to 2 percent slopes
398B 623B	Wea silt loam, 2 to 5 percent slopes Kishwaukee silt loam, 2 to 5 percent slopes	623B	Kishwaukee silt loam, 2 to 5 percent slopes
27B 624B	Miami silt loam, 1 to 5 percent slopes Caprell silt loam, 2 to 4 percent slopes	624B	Caprell silt loam, 2 to 4 percent slopes
27C2 624C2	Miami silt loam, 5 to 9 percent slopes, eroded Caprell silt loam, 4 to 6 percent slopes, eroded	624C2	Caprell silt loam, 4 to 6 percent slopes, eroded
27C2 624D2	Miami silt loam, 5 to 9 percent slopes, eroded Caprell silt loam, 6 to 12 percent slopes, eroded	624D2	Caprell silt loam, 6 to 12 percent slopes, eroded
624E	Caprell silt loam, 12 to 20 percent slopes	624E	Caprell silt loam, 12 to 20 percent slopes
145B 625B 2145B	Saybrook silt loam, 2 to 5 percent slopes Geryune silt loam, 2 to 5 percent slopes Urban land-Saybrook complex, 1 to 7 percent slopes	625B	Geryune silt loam, 2 to 5 percent slopes
626A	Kish loam, 0 to 2 percent slopes	626A	Kish loam, 0 to 2 percent slopes
59 635A	Lisbon silt loam Lismod silt loam, 0 to 2 percent slopes	635A	Lismod silt loam, 0 to 2 percent slopes
635B	Lismod silt loam, 2 to 4 percent slopes	635B	Lismod silt loam, 2 to 4 percent slopes
221B 636B	Parr silt loam, 2 to 5 percent slopes Parmod silt loam, 2 to 5 percent slopes	636B	Parmod silt loam, 2 to 5 percent slopes
145C2 221C2 636C2	Saybrook silt loam, 5 to 9 percent slopes, eroded Parr silt loam, 5 to 9 percent slopes, eroded Parmod silt loam, 5 to 10 percent slopes, eroded	636C2	Parmod silt loam, 5 to 10 percent slopes, eroded
667C2	Kaneville silt loam, 5 to 10 percent slopes, eroded	667C2	Kaneville silt loam, 5 to 10 percent slopes, eroded
386A 675A	Downs silt loam, 0 to 2 percent slopes Greenbush silt loam, 0 to 2 percent slopes	675A	Greenbush silt loam, 0 to 2 percent slopes
386B 675B	Downs silt loam, 2 to 6 percent slopes Greenbush silt loam, 2 to 5 percent slopes	675B	Greenbush silt loam, 2 to 5 percent slopes
728B	Winnebago silt loam, 2 to 5 percent slopes	728B	Winnebago silt loam, 2 to 5 percent slopes
728C2 728C2	Winnebago silt loam, 5 to 9 percent slopes, eroded Winnebago silt loam, 5 to 10 percent slopes, eroded	728C2	Winnebago silt loam, 5 to 10 percent slopes, eroded
62 766A	Herbert silt loam Lamartine silt loam, 0 to 2 percent slopes	766A	Lamartine silt loam, 0 to 2 percent slopes
768C 768C 768D	Backbone loamy sand, 5 to 9 percent slopes Backbone loamy sand, 5 to 10 percent slopes Backbone loamy sand, 9 to 15 percent slopes	768C	Backbone loamy sand, 5 to 10 percent slopes

Boone County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
771 771A	Hayfield loam Hayfield loam, 0 to 2 percent slopes	771A	Hayfield loam, 0 to 2 percent slopes
772 772A	Marshan loam Marshan loam, 0 to 2 percent slopes	772A	Marshan loam, 0 to 2 percent slopes
777 777A	Adrian muck Adrian muck, 0 to 2 percent slopes	777A	Adrian muck, 0 to 2 percent slopes
779B 779B	Chelsea loamy fine sand, 1 to 6 percent slopes Chelsea loamy fine sand, 2 to 7 percent slopes	779B	Chelsea loamy fine sand, 1 to 6 percent slopes
779C 779D	Chelsea loamy fine sand, 7 to 12 percent slopes Chelsea loamy fine sand, 6 to 12 percent slopes	779D	Chelsea loamy fine sand, 6 to 12 percent slopes
780B 780B	Grellton sandy loam, 1 to 5 percent slopes Grellton sandy loam, 2 to 5 percent slopes	780B	Grellton sandy loam, 2 to 5 percent slopes
780C2 780C2	Grellton sandy loam, 5 to 9 percent slopes, eroded Grellton sandy loam, 5 to 10 percent slopes, eroded	780C2	Grellton sandy loam, 5 to 10 percent slopes, eroded
781A	Friesland sandy loam, 0 to 2 percent slopes	781A	Friesland sandy loam, 0 to 2 percent slopes
781B 781B	Friesland sandy loam, 2 to 5 percent slopes Friesland sandy loam, 2 to 6 percent slopes	781B	Friesland sandy loam, 2 to 5 percent slopes
782 782A	Juneau silt loam Juneau silt loam, 0 to 2 percent slopes	782A	Juneau silt loam, 0 to 2 percent slopes
783A 783A	Flagler sandy loam, 0 to 2 percent slopes Flagler sandy loam, 0 to 3 percent slopes	783A	Flagler sandy loam, 0 to 2 percent slopes
783B 783B	Flagler sandy loam, 2 to 6 percent slopes Flagler sandy loam, 3 to 7 percent slopes	783B	Flagler sandy loam, 2 to 6 percent slopes
243A 791A	St. Charles silt loam, 0 to 2 percent slopes Rush silt loam, 0 to 2 percent slopes	791A	Rush silt loam, 0 to 2 percent slopes
533 802 802B	Urban land Orthents, loamy Orthents, loamy, undulating	802B	Orthents, loamy, undulating
864 864	Pits, quarry Pits, quarry, limestone	864	Pits, quarry
865	Pits, gravel	865	Pits, gravel
939C2 939C2	Rodman-Warsaw complex, 4 to 6 percent slopes, eroded Rodman-Warsaw complex, 4 to 7 percent slopes, eroded	939C2	Rodman-Warsaw complex, 4 to 6 percent slopes, eroded
939D2 939D2	Rodman-Warsaw complex, 6 to 12 percent slopes, eroded Rodman-Warsaw complex, 7 to 12 percent slopes, eroded	939D2	Rodman-Warsaw complex, 6 to 12 percent slopes, eroded
93E2 969E2	Rodman gravelly loam, 12 to 30 percent slopes, eroded Casco-Rodman complex, 12 to 20 percent slopes, eroded	969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded

Boone County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
82 1082A	Millington silt loam Millington silt loam, undrained, 0 to 2 percent slopes, occasionally flooded	1082A	Millington silt loam, undrained, 0 to 2 percent slopes, occasionally flooded
100 1100A	Palms muck Palms muck, undrained, 0 to 2 percent slopes, frequently flooded	1100A	Palms muck, undrained, 0 to 2 percent slopes, frequently flooded
103 1103A	Houghton muck Houghton muck, undrained, 0 to 2 percent slopes, frequently flooded	1103A	Houghton muck, undrained, 0 to 2 percent slopes, frequently flooded
776 1776A 4776	Comfrey loam Comfrey loams, undrained, 0 to 2 percent slopes, commonly flooded Comfrey loam, ponded	1776A	Comfrey loams, undrained, 0 to 2 percent slopes, commonly flooded
777 1777A	Adrian muck Adrian muck, undrained, 0 to 2 percent slopes, frequently flooded	1777A	Adrian muck, undrained, 0 to 2 percent slopes, frequently flooded
82 3082A	Millington silt loam Millington silt loam, 0 to 2 percent slopes, frequently flooded	3082A	Millington silt loam, 0 to 2 percent slopes, frequently flooded
107 3107A	Sawmill silty clay loam Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
415 3415A	Orion silt loam Orion silt loam, 0 to 2 percent slopes, frequently flooded	3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded
776 2776 3776A	Comfrey loam Urban land-Comfrey complex Comfrey loam, 0 to 2 percent slopes, frequently flooded	3776A	Comfrey loam, 0 to 2 percent slopes, frequently flooded
123 3800A	Riverwash Psamments, 0 to 2 percent slopes, frequently flooded	3800A	Psamments, 0 to 2 percent slopes, frequently flooded
82 8082A	Millington silt loam Millington silt loam, 0 to 2 percent slopes, occasionally flooded	8082A	Millington silt loam, 0 to 2 percent slopes, occasionally flooded
776 2776 8776A	Comfrey loam Urban land-Comfrey complex Comfrey loam, 0 to 2 percent slopes, occasionally flooded	8776A	Comfrey loam, 0 to 2 percent slopes, occasionally flooded
782 8782A	Juneau silt loam Juneau silt loam, 0 to 2 percent slopes, occasionally flooded	8782A	Juneau silt loam, 0 to 2 percent slopes, occasionally flooded
61 9061A	Atterberry silt loam Atterberry silt loam, terrace, 0 to 2 percent slopes	9061A	Atterberry silt loam, terrace, 0 to 2 percent slopes

Boone County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
68 9068A	Sable silty clay loam Sable silty clay loam, terrace, 0 to 2 percent slopes	9068A	Sable silty clay loam, terrace, 0 to 2 percent slopes
278 9278A	Stronghurst silt loam Stronghurst silt loam, terrace, 0 to 2 percent slopes	9278A	Stronghurst silt loam, terrace, 0 to 2 percent slopes
W	Water	W	Water

Series established by this correlation: None

Series or families added to previous correlated legend: Brenton, Camden, Caprell, Casco, Danabrook, Dickinson, Dresden, Dunham, Elizabeth, Geryune, Greenbush, Grundlein, Harvard, Kaneville, Kidami, Kish, Kishwaukee, Lahoguess, Lamartine, Lismod, Millbrook, Muscatune, Osco, Parmod, Pella, Piscasaw, Proctor, Psamments, Rush, Selmass, Senachwine, and Windere

Series dropped from previous correlated legend: Ashdale, Assumption, Downs, Edmund, Miami, Muscatine, Palsgrove, Saybrook, Sogn, and Tama

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

Prior soil survey publication: The last soil survey of Boone County was completed in 1976 and published by the United States Department of Agriculture, Soil Conservation Service in March 1980. It is Illinois Agricultural Experiment Station Soil Report No. 107, "Soil Survey of Winnebago and Boone Counties, Illinois". Reference to the prior soil survey will be included in the literature citation of the manuscript. This survey replaces the 1980 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: Boone County, which was published in 1980, joins five modern soil surveys. These are DeKalb, McHenry, and Winnebago Counties in Illinois and Rock and Walworth Counties in Wisconsin. DeKalb County to the south was updated and SSURGO certified in 2004. McHenry County to the east was updated and SSURGO certified in 2004. Winnebago County to the west was updated and SSURGO certified in 2005. Rock County to the north was published in 1974 and SSURGO certified in 2006. Walworth County to the north was published in 1971 and SSURGO certified in 2006.

Exact joins will be completed with DeKalb, McHenry, and Winnebago Counties. Acceptable joins will be completed with Rock and Walworth Counties.

Instructions for map compilation, map finishing, and digitizing: The soil maps from the 1980 report at a scale of 1:15,840 were orthorectified and ratioed to a scale of 1:12,000 using orthomapper software. Any further adjustment of the soil vector lines will be done on the computer by the Aurora MLRA staff. The conventional and special symbols layer will be hand digitized by the Aurora MLRA staff. 1998 and 1999 imagery consisting of 1:12,000 scale orthophoto quarter quads serve as a base. The digital soils and conventional and special symbols layers will be delivered to the Kansas Digitizing Center for processing. Symbols for map finishing are those approved for SSURGO standards and as shown in this document. The Kansas Digitizing Center will submit 10 percent of the digitized product to the MLRA Region 11 office for Quality Assurance. Digital spatial and attribute data will be provided to the Boone County Board as part of the cost share cooperative agreement.

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.

**Definitions and Guidelines for Use of Conventional and Special Symbols
Boone County, Illinois – A Subset of MLRA 95B**

Name	Label	Definitions and Guidelines
Standard Landform And Miscellaneous Surface Features		
Escarpment, bedrock	ESB	A relatively continuous and steep slope or cliff, which was produced by erosion or faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.
Escarpment, nonbedrock	ESO	A relatively continuous and steep slope or cliff, which was produced by erosion or faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed earthy material is nonsoil or very shallow soil.
Gravel pit	GPI	An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel. Typically 1/4 to 2 acres.
Gravelly spot	GRA	A spot where the surface layer has more than 35 percent, by volume, rock fragments that are mostly 3 inches in diameter in an area with less than 15 percent fragments. Typically 1/4 to 2 acres
Mine or quarry	MPI	An open excavation from which soil and underlying material are removed and bedrock is exposed. Also denotes surface openings to underground mines. Typically 1/4 to 2 acres.
Rock outcrop	ROC	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, or where "Rock outcrop" is a named component of the map unit. Typically 1/4 to 2 acres.
Sandy spot	SAN	A spot where the surface layer is a loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer. Typically 1/4 to 2 acres.
Severely eroded spot	ERO	An area where on the average 75 percent or more of the original surface layer has been lost because of accelerated erosion. Not used in map units that are named severely eroded, very severely eroded, or gullied. Typically 1/4 to 2 acres.
Short, steep slope	SLP	Narrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.
Wet spot	WET	A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit. Typically 1/4 to 2 acres.
Ad Hoc Features		
Calcareous spot	CSP	A spot where the surface layer contains carbonates in areas where the surface layer of the named soils in the surrounding map unit is noncalcareous. Effervescence can be detected by dilute hydrochloric acid. Typically 1/4 to 2 acres.
Muck spot	MUC	An area with a poorly drained or very poorly drained soil that has a surface layer consisting of organic soil material. The surface layer of the named soils in the surrounding map unit consists of mineral soil material. Typically 1/4 to 2 acres.
Till spot	GLA	An exposure of till at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over till. Typically 1/4 to 2 acres.
Boundaries		
State		Boundary is shown.
County		Boundary is shown.
Field sheet neatline		Neatline is shown.
Section corner tics		Corner tics are shown
Road Emblems		
Interstate, Federal, and State		Use appropriate symbols for Interstate, Federal, and State roads. Other roads will not be labeled.

Conversion Legend Boone County, Illinois

(This legend represents the majority of the standard conversions that took place with this update. With certain polygons, however, conversions were made outside this legend which were based on field investigations, enhanced photo tones, topographic maps, changes in land use, and/or refined soil-landscape relationships.)

Field symbol	Publication symbol
21B	21B
21C2	21C2
22B	22B
22C2	22C2
22D2	22D2
27B	527B
27B	618B
27B	624B
27C2	527C2
27C2	527D2
27C2	624C2
27C2	624D2
36A	86A
36B	86B
41	51A
51A	51A
59	59A
59	635A
59A	59A
61	61A
61	9061A
61A	61A
62	62A
62	766A
62A	62A
68	68A
68	9068A
68A	68A
68A+	68A+
82	1082A
82	3082A
82	8082A
86A	86A
86B	86B
87A	87A
93E2	969E2
100	100A
100	1100A
100A	100A
102	102A
102	528A
102A	102A
103	103A
103	1103A
103A	103A
104	104A
104A	104A
107	3107A
119B	119B
123	3800A
125	125A
125	529A

Field symbol	Publication symbol
125A	125A
134A	134A
145B	512B
145B	625B
145C2	512C2
145C2	636C2
146	146A
146A	146A
148A	148A
148B	148B
149A	149A
152	152A
152	153A
152A	152A
152A+	152A+
153A	153A
172	172A
172A	172A
188	188A
188A	188A
197	197A
197A	197A
198	198A
198A	198A
199A	199A
199B	199B
199C2	199C2
206A	206A
219A	219A
221B	221B
221B	636B
221C2	221C2
221C2	636C2
223B	223B
227B	227B
242	242A
242A	242A
243A	243A
243A	791A
243B	243B
243C2	243C2
259B2	119B
278	278A
278	9278A
278A	278A
279A	279A
280B	280B
280C2	280C2
290A	290A
290B	290B
290C2	290C2
290C2	290D2

Field symbol	Publication symbol
290D2	290D2
293	293A
293A	293A
297B	297B
297C2	297C2
297C2	297D2
297D2	297D2
310B	310B
310C2	310C2
310C2	310D2
310D2	310D2
325B	325B
325C2	325C2
327B	327B
327C2	327C2
327C2	327D2
327D2	327D2
329	329A
329A	329A
332A	332A
332B	332B
343	343A
343A	343A
344A	344A
344B	344B
354A	354A
354B	354B
361B	361B
361C2	361C2
361C2	361D2
361D2	361D2
361D2	361E2
361D3	361D3
361E2	361E2
363B	297B
363C2	363C2
363C2	363D2
363D2	363D2
369	369A
369A	369A
379A	379A
386A	675A
386B	675B
387A	387A
387B	387B
398A	623A
398B	623B
403E	403E
411B	506B
412B	412B
415	68A+
415	152A+

Boone County, IL Conversion Legend (continued)

Field symbol	Publication symbol
415	3415A
419A	419A
419B	419B
419C2	419C2
429B	561B
429C2	561C2
440A	440A
440B	440B
440C2	440C2
490	490A
490A	490A
503B	503B
504C	566C2
504E	403E
505C2	505D2
505D2	505D2
505E2	505E2
506A	506B
506B	506B
506C2	566C2
512A	512A
512B	512B
512C2	512C2
523A	523A
526A	526A
527B	527B
527C2	527C2
527D2	527D2
528A	528A
529A	529A
533	802B
543B	543B
544A	544A
545A	545A
545B	545B
561B	561B
561C2	561C2
561D2	561D2
566B	566B
566C2	566C2
566D2	566D2
570A	570A
570B	570B
570C2	570C2
570C2	570D2
570D2	570D2
618B	618B
623A	623A
623B	623B
624B	624B
624C2	624C2
624D2	624D2
624E	624E
625B	625B
626A	626A
635A	635A
635B	635B

Field symbol	Publication symbol
636B	636B
636C2	636C2
667C2	667C2
675A	675A
675B	675B
728B	728B
728C2	728C2
766A	766A
768C	768C
768D	768C
769B	566B
769C	566C2
769D2	566D2
771	771A
771A	771A
772	772A
772A	772A
776	1776A
776	3776A
776	8776A
777	777A
777	1777A
777A	777A
779B	779B
779C	779D
779D	779D
780B	780B
780C2	780C2
781A	781A
781B	781B
782	782A
782	8782A
782A	782A
783A	783A
783B	783B
791A	791A
802	802B
802B	802B
864	864
865	865
939C2	939C2
939D2	939D2
969E2	969E2
1082A	1082A
1100A	1100A
1103A	1103A
1776A	1776A
1777A	1777A
2145B	512B
2145B	625B
2398A	623A
2776	3776A
2776	8776A
3082A	3082A
3107A	3107A
3415A	3415A
3776A	3776A

Field symbol	Publication symbol
3800A	3800A
4776	1776A
8082A	8082A
8776A	8776A
8782A	8782A
9061A	9061A
9068A	9068A
9278A	9278A
W	W

Alphabetical Soil Map Legend Boone County, Illinois

Map symbol	Map unit name
777A	Adrian muck, 0 to 2 percent slopes
1777A	Adrian muck, undrained, 0 to 2 percent slopes, frequently flooded
293A	Andres silt loam, 0 to 2 percent slopes
227B	Argyle silt loam, 2 to 5 percent slopes
61A	Atterberry silt loam, 0 to 2 percent slopes
9061A	Atterberry silt loam, terrace, 0 to 2 percent slopes
768C	Backbone loamy sand, 5 to 10 percent slopes
188A	Beardstown loam, 0 to 2 percent slopes
332A	Billett sandy loam, 0 to 2 percent slopes
332B	Billett sandy loam, 2 to 5 percent slopes
149A	Brenton silt loam, 0 to 2 percent slopes
134A	Camden silt loam, 0 to 2 percent slopes
624B	Caprell silt loam, 2 to 4 percent slopes
624C2	Caprell silt loam, 4 to 6 percent slopes, eroded
624D2	Caprell silt loam, 6 to 12 percent slopes, eroded
624E	Caprell silt loam, 12 to 20 percent slopes
969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded
779B	Chelsea loamy fine sand, 1 to 6 percent slopes
779D	Chelsea loamy fine sand, 6 to 12 percent slopes
3776A	Comfrey loam, 0 to 2 percent slopes, frequently flooded
8776A	Comfrey loam, 0 to 2 percent slopes, occasionally flooded
1776A	Comfrey loams, undrained, 0 to 2 percent slopes, commonly flooded
379A	Dakota 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
87A	Dickinson sandy loam, 0 to 2 percent slopes
325B	Dresden silt loam, 2 to 4 percent slopes
325C2	Dresden silt loam, 4 to 6 percent slopes, eroded
152A+	Drummer silt loam, 0 to 2 percent slopes, overwash
152A	Drummer silty clay loam, 0 to 2 percent slopes
505D2	Dunbarton silt loam, 6 to 12 percent slopes, eroded
505E2	Dunbarton silt loam, 12 to 20 percent slopes, eroded
523A	Dunham silty clay loam, 0 to 2 percent slopes
198A	Elburn silt loam, 0 to 2 percent slopes
119B	Elco silt loam, 2 to 5 percent slopes

Boone County, IL Alphabetical Soil Map Legend (continued)

Map symbol	Map unit name
403E	Elizabeth silt loam, 12 to 35 percent slopes
146A	Elliott silt loam, 0 to 2 percent slopes
280B	Fayette silt loam, 2 to 5 percent slopes
280C2	Fayette silt loam, 5 to 10 percent slopes, eroded
419A	Flagg silt loam, 0 to 2 percent slopes
419B	Flagg silt loam, 2 to 5 percent slopes
419C2	Flagg silt loam, 5 to 10 percent slopes, eroded
783A	Flagler sandy loam, 0 to 2 percent slopes
783B	Flagler sandy loam, 2 to 6 percent slopes
327D2	Fox loam, 6 to 12 percent slopes, eroded
327B	Fox silt loam, 2 to 4 percent slopes
327C2	Fox silt loam, 4 to 6 percent slopes, eroded
781A	Friesland sandy loam, 0 to 2 percent slopes
781B	Friesland sandy loam, 2 to 5 percent slopes
625B	Geryune silt loam, 2 to 5 percent slopes
675A	Greenbush silt loam, 0 to 2 percent slopes
675B	Greenbush silt loam, 2 to 5 percent slopes
780B	Grellton sandy loam, 2 to 5 percent slopes
780C2	Grellton sandy loam, 5 to 10 percent slopes, eroded
363C2	Griswold loam, 4 to 6 percent slopes, eroded
363D2	Griswold loam, 6 to 12 percent slopes, eroded
526A	Grundelein silt loam, 0 to 2 percent slopes
344A	Harvard silt loam, 0 to 2 percent slopes
344B	Harvard silt loam, 2 to 5 percent slopes
771A	Hayfield loam, 0 to 2 percent slopes
62A	Herbert silt loam, 0 to 2 percent slopes
506B	Hitt silt loam, 2 to 5 percent slopes
354A	Hononegah loamy coarse sand, 0 to 2 percent slopes
354B	Hononegah loamy coarse sand, 2 to 6 percent slopes
172A	Hoopeston sandy loam, 0 to 2 percent slopes
103A	Houghton muck, 0 to 2 percent slopes
1103A	Houghton muck, undrained, 0 to 2 percent slopes, frequently flooded
440A	Jasper silt loam, 0 to 2 percent slopes
440B	Jasper silt loam, 2 to 5 percent slopes
440C2	Jasper silt loam, 5 to 10 percent slopes, eroded
782A	Juneau silt loam, 0 to 2 percent slopes
8782A	Juneau silt loam, 0 to 2 percent slopes, occasionally flooded
343A	Kane silt loam, 0 to 2 percent slopes

Boone County, IL Alphabetical Soil Map Legend (continued)

Map symbol	Map unit name
667C2	Kaneville silt loam, 5 to 10 percent slopes, eroded
242A	Kendall silt loam, 0 to 2 percent slopes
527C2	Kidami loam, 4 to 6 percent slopes, eroded
527D2	Kidami loam, 6 to 12 percent slopes, eroded
527B	Kidami silt loam, 2 to 4 percent slopes
361D3	Kidder clay loam, 6 to 12 percent slopes, severely eroded
361B	Kidder loam, 2 to 4 percent slopes
361C2	Kidder loam, 4 to 6 percent slopes, eroded
361D2	Kidder loam, 6 to 12 percent slopes, eroded
361E2	Kidder loam, 12 to 20 percent slopes, eroded
626A	Kish loam, 0 to 2 percent slopes
623A	Kishwaukee silt loam, 0 to 2 percent slopes
623B	Kishwaukee silt loam, 2 to 5 percent slopes
102A	La Hogue loam, 0 to 2 percent slopes
528A	Lahoguess loam, 0 to 2 percent slopes
766A	Lamartine silt loam, 0 to 2 percent slopes
59A	Lisbon silt loam, 0 to 2 percent slopes
635A	Lismod silt loam, 0 to 2 percent slopes
635B	Lismod silt loam, 2 to 4 percent slopes
772A	Marshan loam, 0 to 2 percent slopes
570A	Martinsville silt loam, 0 to 2 percent slopes
570B	Martinsville silt loam, 2 to 4 percent slopes
570C2	Martinsville silt loam, 4 to 6 percent slopes, eroded
570D2	Martinsville silt loam, 6 to 12 percent slopes, eroded
310B	McHenry silt loam, 2 to 4 percent slopes
310C2	McHenry silt loam, 4 to 6 percent slopes, eroded
310D2	McHenry silt loam, 6 to 12 percent slopes, eroded
219A	Millbrook silt loam, 0 to 2 percent slopes
3082A	Millington silt loam, 0 to 2 percent slopes, frequently flooded
8082A	Millington silt loam, 0 to 2 percent slopes, occasionally flooded
1082A	Millington silt loam, undrained, 0 to 2 percent slopes, occasionally flooded
51A	Muscatune silt loam, 0 to 2 percent slopes
387A	Ockley silt loam, 0 to 2 percent slopes
387B	Ockley silt loam, 2 to 5 percent slopes
490A	Odell silt loam, 0 to 2 percent slopes
412B	Ogle silt loam, 2 to 5 percent slopes
3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded
802B	Orthents, loamy, undulating

Boone County, IL Alphabetical Soil Map Legend (continued)

Map symbol	Map unit name
86A	Oscos silt loam, 0 to 2 percent slopes
86B	Oscos silt loam, 2 to 5 percent slopes
100A	Palms muck, 0 to 2 percent slopes
1100A	Palms muck, undrained, 0 to 2 percent slopes, frequently flooded
636B	Parmod silt loam, 2 to 5 percent slopes
636C2	Parmod silt loam, 5 to 10 percent slopes, eroded
221B	Parr silt loam, 2 to 5 percent slopes
221C2	Parr silt loam, 5 to 10 percent slopes, eroded
21B	Pecatonica silt loam, 2 to 5 percent slopes
21C2	Pecatonica silt loam, 5 to 10 percent slopes, eroded
153A	Pella silty clay loam, 0 to 2 percent slopes
543B	Piscasaw silt loam, 2 to 4 percent slopes
865	Pits, gravel
864	Pits, quarry
199A	Plano silt loam, 0 to 2 percent slopes
199B	Plano silt loam, 2 to 5 percent slopes
199C2	Plano silt loam, 5 to 10 percent slopes, eroded
148A	Proctor silt loam, 0 to 2 percent slopes
148B	Proctor silt loam, 2 to 5 percent slopes
3800A	Psammments, 0 to 2 percent slopes, frequently flooded
297B	Ringwood silt loam, 2 to 4 percent slopes
297C2	Ringwood silt loam, 4 to 6 percent slopes, eroded
297D2	Ringwood silt loam, 6 to 12 percent slopes, eroded
566B	Rockton and Dodgeville soils, 2 to 5 percent slopes
566C2	Rockton and Dodgeville soils, 5 to 10 percent slopes, eroded
566D2	Rockton and Dodgeville soils, 10 to 15 percent slopes, eroded
503B	Rockton silt loam, 2 to 6 percent slopes
939C2	Rodman-Warsaw complex, 4 to 6 percent slopes, eroded
939D2	Rodman-Warsaw complex, 6 to 12 percent slopes, eroded
279A	Rozetta silt loam, 0 to 2 percent slopes
791A	Rush silt loam, 0 to 2 percent slopes
68A+	Sable silt loam, 0 to 2 percent slopes, overwash
68A	Sable silty clay loam, 0 to 2 percent slopes
9068A	Sable silty clay loam, terrace, 0 to 2 percent slopes
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
125A	Selma loam, 0 to 2 percent slopes
529A	Selmass loam, 0 to 2 percent slopes
618B	Senachwine silt loam, 2 to 5 percent slopes

Boone County, IL Alphabetical Soil Map Legend (continued)

Map symbol	Map unit name
243A	St. Charles silt loam, 0 to 2 percent slopes
243B	St. Charles silt loam, 2 to 5 percent slopes
243C2	St. Charles silt loam, 5 to 10 percent slopes, eroded
278A	Stronghurst silt loam, 0 to 2 percent slopes
9278A	Stronghurst silt loam, terrace, 0 to 2 percent slopes
206A	Thorp silt loam, 0 to 2 percent slopes
544A	Torox silt loam, 0 to 2 percent slopes
197A	Troxel silt loam, 0 to 2 percent slopes
223B	Varna silt loam, 2 to 4 percent slopes
104A	Virgil silt loam, 0 to 2 percent slopes
290A	Warsaw loam, 0 to 2 percent slopes
290B	Warsaw loam, 2 to 4 percent slopes
290C2	Warsaw loam, 4 to 6 percent slopes, eroded
290D2	Warsaw loam, 6 to 12 percent slopes, eroded
W	Water
369A	Waupecan silt loam, 0 to 2 percent slopes
22B	Westville silt loam, 2 to 5 percent slopes
22C2	Westville silt loam, 5 to 10 percent slopes, eroded
22D2	Westville silt loam, 10 to 18 percent slopes, eroded
561B	Whalan and NewGlarus silt loams, 2 to 5 percent slopes
561C2	Whalan and NewGlarus silt loams, 5 to 10 percent slopes, eroded
561D2	Whalan and NewGlarus silt loams, 10 to 15 percent slopes, eroded
329A	Will loam, 0 to 2 percent slopes
545A	Windere silt loam, 0 to 2 percent slopes
545B	Windere silt loam, 2 to 4 percent slopes
728B	Winnebago silt loam, 2 to 5 percent slopes
728C2	Winnebago silt loam, 5 to 10 percent slopes, eroded

**Numerical Soil Map Legend
Boone County, Illinois**

Map symbol	Map unit name
21B	Pecatonica silt loam, 2 to 5 percent slopes
21C2	Pecatonica silt loam, 5 to 10 percent slopes, eroded
22B	Westville silt loam, 2 to 5 percent slopes
22C2	Westville silt loam, 5 to 10 percent slopes, eroded
22D2	Westville silt loam, 10 to 18 percent slopes, eroded
51A	Muscatune silt loam, 0 to 2 percent slopes
59A	Lisbon silt loam, 0 to 2 percent slopes
61A	Atterberry silt loam, 0 to 2 percent slopes
62A	Herbert silt loam, 0 to 2 percent slopes
68A	Sable silty clay loam, 0 to 2 percent slopes
68A+	Sable silt loam, 0 to 2 percent slopes, overwash
86A	Oscos silt loam, 0 to 2 percent slopes
86B	Oscos silt loam, 2 to 5 percent slopes
87A	Dickinson sandy loam, 0 to 2 percent slopes
100A	Palms muck, 0 to 2 percent slopes
102A	La Hogue loam, 0 to 2 percent slopes
103A	Houghton muck, 0 to 2 percent slopes
104A	Virgil silt loam, 0 to 2 percent slopes
119B	Elco silt loam, 2 to 5 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
148A	Proctor silt loam, 0 to 2 percent slopes
148B	Proctor silt loam, 2 to 5 percent slopes
149A	Brenton silt loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes
152A+	Drummer silt loam, 0 to 2 percent slopes, overwash
153A	Pella silty clay loam, 0 to 2 percent slopes
172A	Hoopeston sandy loam, 0 to 2 percent slopes
188A	Beardstown loam, 0 to 2 percent slopes
197A	Troxel silt loam, 0 to 2 percent slopes
198A	Elburn silt loam, 0 to 2 percent slopes
199A	Plano silt loam, 0 to 2 percent slopes
199B	Plano silt loam, 2 to 5 percent slopes

Boone County, IL Numerical Soil Map Legend (continued)

Map symbol	Map unit name
199C2	Plano silt loam, 5 to 10 percent slopes, eroded
206A	Thorp silt loam, 0 to 2 percent slopes
219A	Millbrook silt loam, 0 to 2 percent slopes
221B	Parr silt loam, 2 to 5 percent slopes
221C2	Parr silt loam, 5 to 10 percent slopes, eroded
223B	Varna silt loam, 2 to 4 percent slopes
227B	Argyle silt loam, 2 to 5 percent slopes
242A	Kendall silt loam, 0 to 2 percent slopes
243A	St. Charles silt loam, 0 to 2 percent slopes
243B	St. Charles silt loam, 2 to 5 percent slopes
243C2	St. Charles silt loam, 5 to 10 percent slopes, eroded
278A	Stronghurst silt loam, 0 to 2 percent slopes
279A	Rozetta silt loam, 0 to 2 percent slopes
280B	Fayette silt loam, 2 to 5 percent slopes
280C2	Fayette silt loam, 5 to 10 percent slopes, eroded
290A	Warsaw loam, 0 to 2 percent slopes
290B	Warsaw loam, 2 to 4 percent slopes
290C2	Warsaw loam, 4 to 6 percent slopes, eroded
290D2	Warsaw loam, 6 to 12 percent slopes, eroded
293A	Andres silt loam, 0 to 2 percent slopes
297B	Ringwood silt loam, 2 to 4 percent slopes
297C2	Ringwood silt loam, 4 to 6 percent slopes, eroded
297D2	Ringwood silt loam, 6 to 12 percent slopes, eroded
310B	McHenry silt loam, 2 to 4 percent slopes
310C2	McHenry silt loam, 4 to 6 percent slopes, eroded
310D2	McHenry silt 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
327C2	Fox silt loam, 4 to 6 percent slopes, eroded
327D2	Fox loam, 6 to 12 percent slopes, eroded
329A	Will loam, 0 to 2 percent slopes
332A	Billett sandy loam, 0 to 2 percent slopes
332B	Billett sandy loam, 2 to 5 percent slopes
343A	Kane silt loam, 0 to 2 percent slopes
344A	Harvard silt loam, 0 to 2 percent slopes
344B	Harvard silt loam, 2 to 5 percent slopes
354A	Hononegah loamy coarse sand, 0 to 2 percent slopes
354B	Hononegah loamy coarse sand, 2 to 6 percent slopes

Boone County, IL Numerical Soil Map Legend (continued)

Map symbol	Map unit name
361B	Kidder loam, 2 to 4 percent slopes
361C2	Kidder loam, 4 to 6 percent slopes, eroded
361D2	Kidder loam, 6 to 12 percent slopes, eroded
361D3	Kidder clay loam, 6 to 12 percent slopes, severely eroded
361E2	Kidder loam, 12 to 20 percent slopes, eroded
363C2	Griswold loam, 4 to 6 percent slopes, eroded
363D2	Griswold loam, 6 to 12 percent slopes, eroded
369A	Waupecan silt loam, 0 to 2 percent slopes
379A	Dakota loam, 0 to 2 percent slopes
387A	Ockley silt loam, 0 to 2 percent slopes
387B	Ockley silt loam, 2 to 5 percent slopes
403E	Elizabeth silt loam, 12 to 35 percent slopes
412B	Ogle silt loam, 2 to 5 percent slopes
419A	Flagg silt loam, 0 to 2 percent slopes
419B	Flagg silt loam, 2 to 5 percent slopes
419C2	Flagg silt loam, 5 to 10 percent slopes, eroded
440A	Jasper silt loam, 0 to 2 percent slopes
440B	Jasper silt loam, 2 to 5 percent slopes
440C2	Jasper silt loam, 5 to 10 percent slopes, eroded
490A	Odell silt loam, 0 to 2 percent slopes
503B	Rockton silt loam, 2 to 6 percent slopes
505D2	Dunbarton silt loam, 6 to 12 percent slopes, eroded
505E2	Dunbarton silt loam, 12 to 20 percent slopes, eroded
506B	Hitt silt loam, 2 to 5 percent slopes
512A	Danabrook silt loam, 0 to 2 percent slopes
512B	Danabrook silt loam, 2 to 5 percent slopes
512C2	Danabrook silt loam, 5 to 10 percent slopes, eroded
523A	Dunham silty clay loam, 0 to 2 percent slopes
526A	Grundelein silt loam, 0 to 2 percent slopes
527B	Kidami silt loam, 2 to 4 percent slopes
527C2	Kidami loam, 4 to 6 percent slopes, eroded
527D2	Kidami loam, 6 to 12 percent slopes, eroded
528A	Lahoguess loam, 0 to 2 percent slopes
529A	Selmass loam, 0 to 2 percent slopes
543B	Piscasaw silt loam, 2 to 4 percent slopes
544A	Torox silt loam, 0 to 2 percent slopes
545A	Windere silt loam, 0 to 2 percent slopes
545B	Windere silt loam, 2 to 4 percent slopes

Boone County, IL Numerical Soil Map Legend (continued)

Map symbol	Map unit name
561B	Whalan and NewGlarus silt loams, 2 to 5 percent slopes
561C2	Whalan and NewGlarus silt loams, 5 to 10 percent slopes, eroded
561D2	Whalan and NewGlarus silt loams, 10 to 15 percent slopes, eroded
566B	Rockton and Dodgeville soils, 2 to 5 percent slopes
566C2	Rockton and Dodgeville soils, 5 to 10 percent slopes, eroded
566D2	Rockton and Dodgeville soils, 10 to 15 percent slopes, eroded
570A	Martinsville silt loam, 0 to 2 percent slopes
570B	Martinsville silt loam, 2 to 4 percent slopes
570C2	Martinsville silt loam, 4 to 6 percent slopes, eroded
570D2	Martinsville silt loam, 6 to 12 percent slopes, eroded
618B	Senachwine silt loam, 2 to 5 percent slopes
623A	Kishwaukee silt loam, 0 to 2 percent slopes
623B	Kishwaukee silt loam, 2 to 5 percent slopes
624B	Caprell silt loam, 2 to 4 percent slopes
624C2	Caprell silt loam, 4 to 6 percent slopes, eroded
624D2	Caprell silt loam, 6 to 12 percent slopes, eroded
624E	Caprell silt loam, 12 to 20 percent slopes
625B	Geryune silt loam, 2 to 5 percent slopes
626A	Kish loam, 0 to 2 percent slopes
635A	Lismod silt loam, 0 to 2 percent slopes
635B	Lismod silt loam, 2 to 4 percent slopes
636B	Parmod silt loam, 2 to 5 percent slopes
636C2	Parmod silt loam, 5 to 10 percent slopes, eroded
667C2	Kaneville silt loam, 5 to 10 percent slopes, eroded
675A	Greenbush silt loam, 0 to 2 percent slopes
675B	Greenbush silt loam, 2 to 5 percent slopes
728B	Winnebago silt loam, 2 to 5 percent slopes
728C2	Winnebago silt loam, 5 to 10 percent slopes, eroded
766A	Lamartine silt loam, 0 to 2 percent slopes
768C	Backbone loamy sand, 5 to 10 percent slopes
771A	Hayfield loam, 0 to 2 percent slopes
772A	Marshan loam, 0 to 2 percent slopes
777A	Adrian muck, 0 to 2 percent slopes
779B	Chelsea loamy fine sand, 1 to 6 percent slopes
779D	Chelsea loamy fine sand, 6 to 12 percent slopes
780B	Grellton sandy loam, 2 to 5 percent slopes
780C2	Grellton sandy loam, 5 to 10 percent slopes, eroded
781A	Friesland sandy loam, 0 to 2 percent slopes
781B	Friesland sandy loam, 2 to 5 percent slopes

Boone County, IL Numerical Soil Map Legend (continued)

Map symbol	Map unit name
782A	Juneau silt loam, 0 to 2 percent slopes
783A	Flagler sandy loam, 0 to 2 percent slopes
783B	Flagler sandy loam, 2 to 6 percent slopes
791A	Rush silt loam, 0 to 2 percent slopes
802B	Orthents, loamy, undulating
864	Pits, quarry
865	Pits, gravel
939C2	Rodman-Warsaw complex, 4 to 6 percent slopes, eroded
939D2	Rodman-Warsaw complex, 6 to 12 percent slopes, eroded
969E2	Casco-Rodman complex, 12 to 20 percent slopes, eroded
1082A	Millington silt loam, undrained, 0 to 2 percent slopes, occasionally flooded
1100A	Palms muck, undrained, 0 to 2 percent slopes, frequently flooded
1103A	Houghton muck, undrained, 0 to 2 percent slopes, frequently flooded
1776A	Comfrey loams, undrained, 0 to 2 percent slopes, commonly flooded
1777A	Adrian muck, undrained, 0 to 2 percent slopes, frequently flooded
3082A	Millington silt loam, 0 to 2 percent slopes, frequently flooded
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded
3776A	Comfrey loam, 0 to 2 percent slopes, frequently flooded
3800A	Psamments, 0 to 2 percent slopes, frequently flooded
8082A	Millington silt loam, 0 to 2 percent slopes, occasionally flooded
8776A	Comfrey loam, 0 to 2 percent slopes, occasionally flooded
8782A	Juneau silt loam, 0 to 2 percent slopes, occasionally flooded
9061A	Atterberry silt loam, terrace, 0 to 2 percent slopes
9068A	Sable silty clay loam, terrace, 0 to 2 percent slopes
9278A	Stronghurst silt loam, terrace, 0 to 2 percent slopes
W	Water

Classification of Pedons Sampled for Laboratory Analysis for Boone County, Illinois

No additional pedons were sampled with this update. Refer to "Classification and Correlation of the Soils of Winnebago and Boone Counties, Illinois" – October 1976.

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

Series	Correlation Notes
Adrian	Previously correlated for Soil Report No. 107. With this update both drained, non-flooded and undrained, flooded phases will be mapped.
Andres	Previously correlated for Soil Report No. 107.
Argyle	Previously correlated for Soil Report No. 107.
Atterberry	Previously correlated for Soil Report No. 107. A terrace phase is added for an exact join with Winnebago County.
Backbone	Previously correlated for Soil Report No. 107.
Beardstown	Previously correlated for Soil Report No. 107.
Billett	Previously correlated for Soil Report No. 107.
Brenton	Added for an exact join with McHenry County.
Camden	Added for an exact join with McHenry County.
Caprell	Previously correlated as Miami for Soil Report No. 107. These soils are located north of the Kishwaukee River and are moderately permeable in the substratum. The map unit 624E is added for an exact join with McHenry County.
Casco	Added with this update. It will be mapped in complex with Rodman for those areas previously correlated as 93E2 for Soil Report No. 107.
Chelsea	Previously correlated for Soil Report No. 107.
Comfrey	Previously correlated for Soil Report No. 107. With this update occasionally flooded; frequently flooded; and undrained, commonly flooded phases will be mapped.
Dakota	Previously correlated for Soil Report No. 107.
Danabrook	Previously correlated as Saybrook for Soil Report No. 107. These soils are located south of the Kishwaukee River and are moderately slowly permeable in the substratum. The map unit 512A is added for an exact join with DeKalb County. The map unit 512C2 is a taxadjunct to the series because of a thin mollic epipedon, classifying as Mollic Oxyaquic Hapludalfs.
Dickinson	Added for an exact join with McHenry County.
Dodgeville	Previously correlated for Soil Report No. 107. It is mapped in conjunction with the Rockton series in several undifferentiated groups.
Dresden	Added for an exact join with DeKalb County.
Drummer	Previously correlated for Soil Report No. 107. An overwash phase will be mapped to replace some areas of Orion which are not subject to flooding.
Dunbarton	Previously correlated for Soil Report No. 107.
Dunham	Added for perfect join with McHenry County.
Elburn	Previously correlated for Soil Report No. 107.
Elco	Previously correlated for Soil Report No. 107.
Elizabeth	Previously correlated as Sogn for Soil Report No. 107. Sogn soils classify as Haplustolls and occur in drier climates.
Elliott	Previously correlated for Soil Report No. 107.
Fayette	Previously correlated for Soil Report No. 107.
Flagg	Previously correlated for Soil Report No. 107.
Flagler	Previously correlated for Soil Report No. 107. The map unit 783A is a taxadjunct to the series because of a thick mollic epipedon, classifying as Pachic Hapludolls.
Fox	Previously correlated for Soil Report No. 107.
Friesland	Previously correlated for Soil Report No. 107.
Geryune	Previously correlated as Saybrook for Soil Report No. 107. These soils are located north of the Kishwaukee River and are moderately permeable in the substratum.
Greenbush	Previously correlated as Downs for Soil Report No. 107. These soils were determined to have a water table depth of 4 to 6 feet below the surface.
Grellton	Previously correlated for Soil Report No. 107.
Griswold	Previously correlated for Soil Report No. 107. The map unit 363D2 is a taxadjunct to the series because of a thin mollic epipedon, classifying as Mollic Hapludalfs.
Grundelein	Added for perfect join with McHenry County.
Harvard	Added for an exact join with McHenry County.
Hayfield	Previously correlated for Soil Report No. 107.
Herbert	Previously correlated for Soil Report No. 107. These soils will be mapped only south of the Kishwaukee River where they are moderately slowly permeable in the substratum.
Hitt	Previously correlated for Soil Report No. 107.
Hononegah	Previously correlated for Soil Report No. 107.
Hoopeston	Previously correlated for Soil Report No. 107.

Boone County, IL Classification and Correlation Notes (continued)

Series	Correlation Notes
Houghton	Previously correlated for Soil Report No. 107. With this update both drained, non-flooded and undrained, flooded phases will be mapped.
Jasper	Previously correlated for Soil Report No. 107. The map unit 440C2 is a taxadjunct to the series because of a thin mollic epipedon, classifying as Mollic Hapludalfs.
Juneau	Previously correlated for Soil Report No. 107. With this update both non-flooded and flooded phases will be mapped.
Kane	Previously correlated for Soil Report No. 107.
Kaneville	Added for an exact join with DeKalb County.
Kendall	Previously correlated for Soil Report No. 107.
Kidami	Previously correlated as Miami for Soil Report No. 107. These soils are located south of the Kishwaukee River and are moderately slowly permeable in the substratum.
Kidder	Previously correlated for Soil Report No. 107.
Kish	Added for perfect join with McHenry County.
Kishwaukee	Previously correlated as Wea for Soil Report No. 107. These soils were determined not to be as droughty as Wea soils.
La Hogue	Previously correlated for Soil Report No. 107. These soils will be mapped primarily on moraines.
Lahoguess	Previously correlated as La Hogue for Soil Report No. 107. These soils have a sandy substratum and will be mapped primarily on outwash plains in association with other sandy and/or gravelly substratum soils.
Lamartine	Previously correlated as Herbert for Soil Report No. 107. These soils will be mapped only north of the Kishwaukee River where they are moderately permeable in the substratum.
Lisbon	Previously correlated for Soil Report No. 107. These soils will be mapped only south of the Kishwaukee River where they are moderately slowly permeable in the substratum.
Lismod	Previously correlated as Lisbon for Soil Report No. 107. These soils will be mapped only north of the Kishwaukee River where they are moderately permeable in the substratum. The map unit 635B is added for an exact join with McHenry County.
Marshan	Previously correlated for Soil Report No. 107.
Martinsville	Previously correlated for Soil Report No. 107.
McHenry	Previously correlated for Soil Report No. 107.
Millbrook	Added for an exact join with McHenry County.
Millington	Previously correlated for Soil Report No. 107. The map units 1082A and 8082A are added for an exact join with McHenry County.
Muscature	Previously correlated as Muscatine for Soil Report No. 107. These soils have an argillic horizon.
NewGlarus	Previously correlated for Soil Report No. 107. It is mapped in conjunction with the Whalan series in several undifferentiated groups.
Ockley	Previously correlated for Soil Report No. 107.
Odell	Previously correlated for Soil Report No. 107.
Ogle	Previously correlated for Soil Report No. 107.
Orion	Previously correlated for Soil Report No. 107. Some areas were determined not to be subject to flooding. These non-flooded areas will be correlated to overwash phases of Drummer or Sable.
Orthents, loamy	Previously correlated for Soil Report No. 107.
Osco	Previously correlated as Tama for Soil Report No. 107. These soils were determined to have a water table depth of 4 to 6 feet below the surface.
Palms	Previously correlated for Soil Report No. 107. With this update both drained, non-flooded and undrained, flooded phases will be mapped.
Parmod	Previously correlated as Parr for Soil Report No. 107. These soils will be mapped only north of the Kishwaukee River where they are moderately permeable in the substratum. The map unit 636C2 is a taxadjunct to the series because of a thin mollic epipedon, classifying as Mollic Hapludalfs.
Parr	Previously correlated for Soil Report No. 107. These soils will be mapped only south of the Kishwaukee River where they are moderately slowly permeable in the substratum. The map unit 221C2 is a taxadjunct to the series because of a thin mollic epipedon, classifying as Mollic Oxyaquic Hapludalfs.
Pecatonica	Previously correlated for Soil Report No. 107.
Pella	Added for an exact join with McHenry County and also will be used in joining with Walworth County.
Piscasaw	Added for perfect join with McHenry County. Also areas of Dodge (24B) were mapped on the original field sheets. It previously was correlated to Miami (27B) for Soil Report No. 107, but with this update it will now correlate to 543B.
Pits, gravel	Previously correlated for Soil Report No. 107.
Pits, quarry	Previously correlated for Soil Report No. 107.
Plano	Previously correlated for Soil Report No. 107. The map unit 199C2 is a taxadjunct to the series for a thin mollic epipedon, classifying as Mollic Hapludalfs.

Boone County, IL Classification and Correlation Notes (continued)

Series	Correlation Notes
Proctor	Added for an exact join with McHenry County.
Psamments	Previously correlated as Riverwash (123) for Soil Report No. 107.
Ringwood	Previously correlated for Soil Report No. 107. The map units 297C2 and 297D2 are taxadjuncts to the series because of thin mollic epipedons, classifying as Mollic Hapludalfs.
Rockton	Previously correlated for Soil Report No. 107. It is mapped primarily in conjunction with the Dodgeville series in several undifferentiated groups. The map unit 506B is added for an exact join with McHenry County.
Rodman	Previously correlated for Soil Report No. 107. It will be mapped in complex with Casco for those units previously correlated as 93E2. The Rodman series is also mapped in complex with the Warsaw series.
Rozetta	Previously correlated for Soil Report No. 107.
Rush	Units of St. Charles on nearly level positions mapped in association with Fox, Ockley, and Waupecan will be correlated to Rush.
Sable	Previously correlated for Soil Report No. 107. A terrace phase is added for an exact join with Winnebago County. An overwash phase will be mapped to replace some areas of Orion which are not subject to flooding.
Sawmill	Previously correlated for Soil Report No. 107.
Selma	Previously correlated for Soil Report No. 107. It will be mapped primarily on moraines.
Selmass	Previously correlated as Selma for Soil Report No. 107. These soils have a sandy substratum and will be mapped primarily on outwash plains in association with other sandy and/or gravelly substratum soils.
Senachwine	Added for an exact join with Winnebago County.
St. Charles	Previously correlated for Soil Report No. 107.
Stronghurst	Previously correlated for Soil Report No. 107. A terrace phase is added for an exact join with Winnebago County.
Thorp	Added for an exact join with McHenry County.
Torox	Added for an exact join with McHenry County.
Troxel	Previously correlated for Soil Report No. 107.
Varna	Previously correlated for Soil Report No. 107.
Virgil	Previously correlated for Soil Report No. 107.
Warsaw	Previously correlated for Soil Report No. 107. Mapped as a consociation and also in complex with Rodman. The map units 290C2 and 290D2 and the Warsaw component of the 939C2 and 939D2 map units are taxadjuncts to the series because of thin mollic epipedons, classifying as Mollic Hapludalfs.
Waupecan	Previously correlated for Soil Report No. 107.
Westville	Previously correlated for Soil Report No. 107.
Whalan	Previously correlated for Soil Report No. 107. It is mapped in conjunction with the NewGlarus series in several undifferentiated groups.
Will	Previously correlated for Soil Report No. 107.
Windere	Added for an exact join with McHenry County.
Winnebago	Previously correlated for Soil Report No. 107. The map unit 728C2 is a taxadjunct to the series because of a thin mollic epipedon, classifying as Mollic Hapludalfs.

Classification of the Soils Boone County, Illinois

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
Adrian	Sandy or sandy-skeletal, mixed, euic, mesic Terric Haplosaprists
Andres	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Argyle	Fine-loamy, mixed, superactive, mesic Mollic Hapludalfs
Atterberry	Fine-silty, mixed, superactive, mesic Udollic Endoaqualfs
Backbone	Coarse-loamy, mixed, superactive, mesic Mollic Hapludalfs
Beardstown	Fine-loamy, mixed, superactive, mesic Udollic Endoaqualfs
Billet	Coarse-loamy, mixed, superactive, mesic Mollic Hapludalfs
Brenton	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Camden	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Caprell	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Casco	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Inceptic Hapludalfs
Chelsea	Mixed, mesic Argic Udipsamments
Comfrey	Fine-loamy, mixed, superactive, mesic Cumulic Endoaquolls
Dakota	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Argiudolls
Danabrook	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
*Danabrook	Fine-silty, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs
Dickinson	Coarse-loamy, mixed, superactive, mesic Typic Hapludolls
Dodgeville	Fine-silty over clayey, mixed, superactive, mesic Typic Argiudolls
Dresden	Fine-loamy over sandy or sandy-skeletal, mixed, active, mesic Mollic Hapludalfs
Drummer	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Dunbarton	Clayey, smectitic, mesic Lithic Hapludalfs
Dunham	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Elburn	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Elco	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Elizabeth	Loamy-skeletal, mixed, superactive, mesic Lithic Hapludolls
Elliott	Fine, illitic, mesic Aquic Argiudolls
Fayette	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Flagg	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Flagler	Coarse-loamy, mixed, superactive, mesic Typic Hapludolls
*Flagler	Coarse-loamy, mixed, superactive, mesic Pachic Hapludolls
Fox	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Hapludalfs
Friesland	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
Geryune	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Greenbush	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs
Grellton	Fine-loamy, mixed, superactive, mesic Typic Hapludalfs
Griswold	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
*Griswold	Fine-loamy, mixed, superactive, mesic Mollic Hapludalfs
Grundelein	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Harvard	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs
Hayfield	Fine-loamy over sandy or sandy-skeletal, mixed, active, mesic Aquollic Hapludalfs
Herbert	Fine-silty, mixed, superactive, mesic Udollic Epiqualfs
Hitt	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
Hononegah	Sandy, mixed, mesic Entic Hapludolls
Hoopeston	Coarse-loamy, mixed, superactive, mesic Aquic Hapludolls
Houghton	Euic, mesic Typic Haplosaprists
Jasper	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
*Jasper	Fine-loamy, mixed, superactive, mesic Mollic Hapludalfs
Juneau	Coarse-silty, mixed, superactive, nonacid, mesic Typic Udifluvents
Kane	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Aquic Argiudolls
Kaneville	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Kendall	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Kidami	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
Kidder	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Kish	Fine-loamy, mixed, superactive, calcareous, mesic Typic Endoaquolls
Kishwaukee	Fine-loamy, mixed, superactive, mesic Typic Argiudolls

Boone County, IL Classification of the Soils (continued)

Soil name	Family or higher taxonomic class
La Hogue	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Lahoguess	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Lamartine	Fine-silty, mixed, superactive, mesic Aquollic Hapludalfs
Lisbon	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Lismod	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Marshan	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Endoaquolls
Martinsville	Fine-loamy, mixed, active, mesic Typic Hapludalfs
McHenry	Fine-loamy, mixed, superactive, mesic Typic Hapludalfs
Millbrook	Fine-silty, mixed, superactive, mesic Udollic Endoaqualls
Millington	Fine-loamy, mixed, superactive, calcareous, mesic Cumulic Endoaquolls
Muscatune	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
NewGlarus	Fine-silty over clayey, mixed, superactive, mesic Typic Hapludalfs
Ockley	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Odell	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Ogle	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Orion	Coarse-silty, mixed, superactive, nonacid, mesic Aquic Udifluvents
Orthents, loamy	Fine-loamy, mixed, active, nonacid, mesic Oxyaquic Udorthents
Osco	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Palms	Loamy, mixed, euic, mesic Terric Haplosaprists
Parmod	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
*Parmod	Fine-loamy, mixed, superactive, mesic Mollic Hapludalfs
Parr	Fine-loamy, mixed, active, mesic Oxyaquic Argiudolls
*Parr	Fine-loamy, mixed, active, mesic Mollic Oxyaquic Hapludalfs
Pecatonica	Fine-loamy, mixed, superactive, mesic Typic Hapludalfs
Pella	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Piscasaw	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Plano	Fine-silty, mixed, superactive, mesic Typic Argiudolls
*Plano	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs
Proctor	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Psammments	Mixed, mesic Udipsammments
Ringwood	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
*Ringwood	Fine-loamy, mixed, superactive, mesic Mollic Hapludalfs
Rockton	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
Rodman	Sandy-skeletal, mixed, mesic Typic Hapludolls
Rozetta	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Rush	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Sable	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Sawmill	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
Selma	Fine-loamy, mixed, superactive, mesic Typic Endoaquolls
Selmass	Fine-loamy, mixed, superactive, mesic Typic Endoaquolls
Senachwine	Fine-loamy, mixed, active, mesic Typic Hapludalfs
St. Charles	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Stronghurst	Fine-silty, mixed, superactive, mesic Aerlic Endoaqualls
Thorp	Fine-silty, mixed, superactive, mesic Argiaquic Argialbolls
Torox	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Troxel	Fine-silty, mixed, superactive, mesic Pachic Argiudolls
Varna	Fine, illitic, mesic Oxyaquic Argiudolls
Virgil	Fine-silty, mixed, superactive, mesic Udollic Endoaqualls
Warsaw	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Argiudolls
Warsaw	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Mollic Hapludalfs
Waupecan	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Westville	Fine-loamy, mixed, superactive, mesic Typic Hapludalfs
Whalan	Fine-loamy, mixed, superactive, mesic Typic Hapludalfs
Will	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Endoaquolls
Windere	Fine-silty, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs
Winnebago	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
*Winnebago	Fine-loamy, mixed, superactive, mesic Mollic Hapludalfs

