

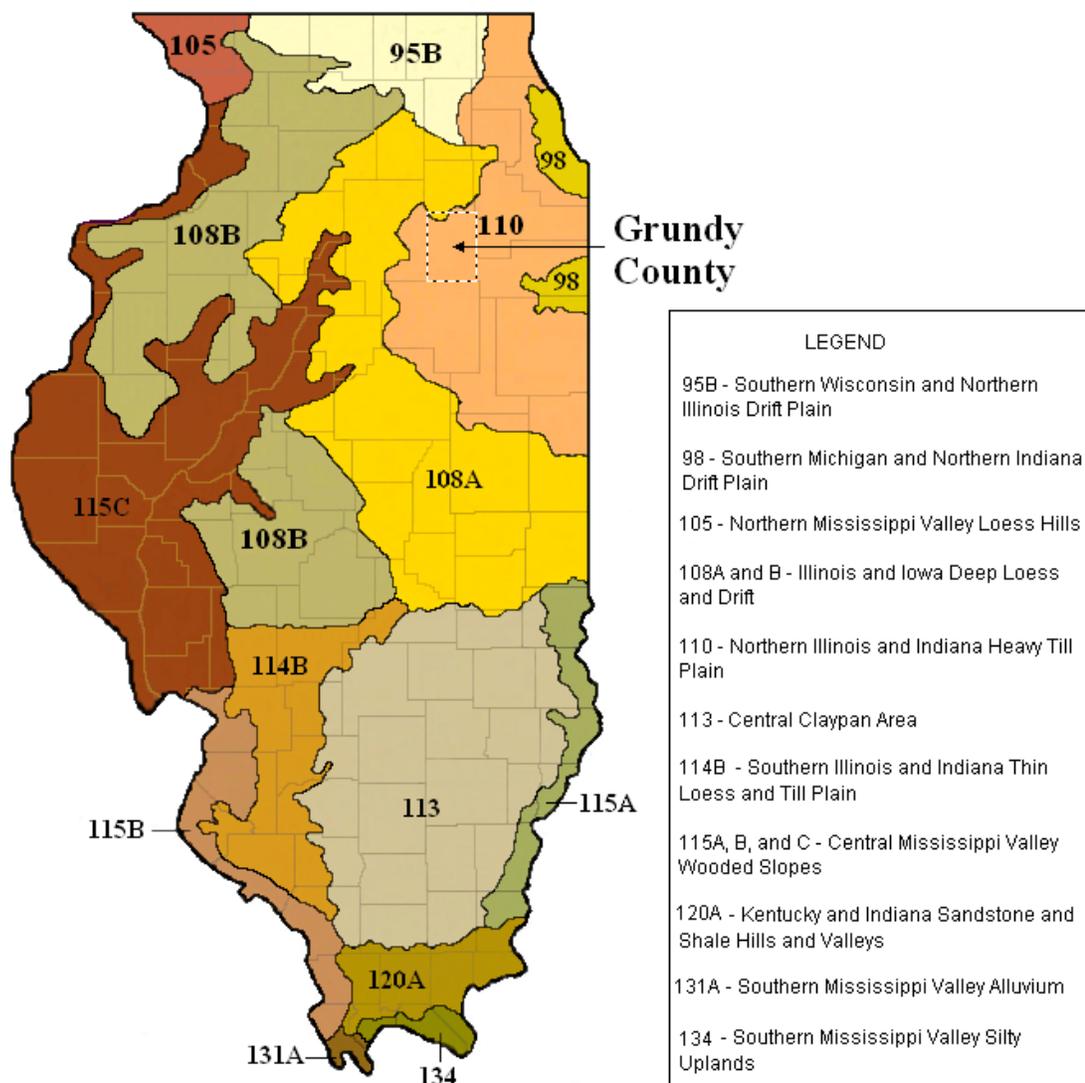
United States Department of
Agriculture

Natural Resources
Conservation Service

East Central Glaciated
Regional MLRA
Soil Survey Office
Indianapolis, IN

Classification and Correlation of Soils in Grundy County, Illinois

A Subset of MLRA 110 and 108A



November 2005

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

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

**Classification and Correlation
of the Soils of
Grundy County, Illinois**

A Subset of MLRA 110 and 108A

November 2005

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 Grundy County, a subset of MLRA 110 and 108A. Legend assistance was held June 20-21 and November 8, 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 Grundy County, Illinois" - October 1977, and the published soil survey report - May 1980.

Headnote for detailed soil survey legend:

This update of the Soil Survey of Grundy County, Illinois is an update of a subset of the Soil Survey of Major Land Resource Areas (MLRA) 110 and 108A. 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 Grundy 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
23A 23B	Blount silt loam, 0 to 2 percent slopes Blount silt loam, 1 to 4 percent slopes	23A ¹	Blount silt loam, 0 to 2 percent slopes
23B 23B	Blount silt loam, 2 to 4 percent slopes Blount silt loam, 1 to 4 percent slopes	23B	Blount silt loam, 2 to 4 percent slopes
42 42A	Papineau sandy loam Papineau sandy loam, 0 to 2 percent slopes	42A	Papineau sandy loam, 0 to 2 percent slopes
49A 49	Watseka loamy fine sand, 0 to 2 percent slopes Watseka loamy fine sand	49A	Watseka loamy fine sand, 0 to 2 percent slopes
69A 69	Milford silty clay loam, 0 to 2 percent slopes Milford silty clay loam	69A	Milford silty clay loam, 0 to 2 percent slopes
88B	Sparta loamy fine sand, 1 to 6 percent slopes	88B	Sparta loamy fine sand, 1 to 6 percent slopes
91A	Swygert silty clay loam, 0 to 2 percent slopes	91A	Swygert silty clay loam, 0 to 2 percent slopes
91B 91B	Swygert silty clay loam, 2 to 4 percent slopes Swygert silty clay loam, 2 to 5 percent slopes	91B	Swygert silty clay loam, 2 to 4 percent slopes
91B2 91B	Swygert silty clay loam, 2 to 4 percent slopes, eroded Swygert silty clay loam, 2 to 5 percent slopes	91B2 ¹	Swygert silty clay loam, 2 to 4 percent
91C2 91B	Swygert silty clay loam, 4 to 6 percent slopes, eroded Swygert silty clay loam, 2 to 5 percent slopes	91C2 ¹	Swygert silty clay loam, 4 to 6 percent slopes, eroded
93C2	Rodman gravelly loam, 4 to 6 percent slopes, eroded	93C2 ²	Rodman gravelly loam, 4 to 6 percent slopes, eroded
98B	Ade loamy fine sand, 1 to 6 percent slopes	98B	Ade loamy fine sand, 1 to 6 percent slopes
125A 125	Selma loam, 0 to 2 percent slopes Selma loam	125A	Selma loam, 0 to 2 percent slopes
132A 132	Starks silt loam, 0 to 2 percent slopes Starks silt loam	132A	Starks 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
146B 146B	Elliott silt loam, 2 to 4 percent slopes Elliott silt loam, 2 to 5 percent slopes	146B	Elliott silt loam, 2 to 4 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 149	Brenton silt loam, 0 to 2 percent slopes Brenton silt loam	149A	Brenton silt loam, 0 to 2 percent slopes
151A 151	Ridgeville fine sandy loam, 0 to 2 percent slopes Ridgeville fine sandy loam	151A	Ridgeville fine sandy loam, 0 to 2 percent slopes
152A 152	Drummer silty clay loam, 0 to 2 percent slopes Drummer silty clay loam	152A	Drummer silty clay loam, 0 to 2 percent slopes
184A 184	Roby fine sandy loam, 0 to 2 percent slopes Roby fine sandy loam	184A	Roby fine sandy loam, 0 to 2 percent slopes

Grundy County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
189A 189A	Martinton silt loam, 0 to 2 percent slopes Martinton silt loam, 0 to 3 percent slopes	189A	Martinton silt loam, 0 to 2 percent slopes
189B 189A	Martinton silt loam, 2 to 4 percent slopes Martinton silt loam, 0 to 3 percent slopes	189B ¹	Martinton silt loam, 2 to 4 percent slopes
201A 201	Gilford fine sandy loam, 0 to 2 percent slopes Gilford fine sandy loam	201A	Gilford fine sandy loam, 0 to 2 percent slopes
223B 223B	Varna silt loam, 2 to 5 percent slopes Varna silt loam, 2 to 4 percent slopes	223B	Varna silt loam, 2 to 4 percent slopes
223B2 223B	Varna silt loam, 2 to 4 percent slopes, eroded Varna silt loam, 2 to 5 percent slopes	223B2 ¹	Varna silt loam, 2 to 4 percent slopes, eroded
223C2 223C3	Varna silt loam, 4 to 6 percent slopes, eroded Varna silty clay loam, 5 to 10 percent slopes, severely eroded	223C2 ¹	Varna silt loam, 4 to 6 percent slopes, eroded
223C3 223C3	Varna silty clay loam, 4 to 6 percent slopes, severely eroded Varna silty clay loam, 5 to 10 percent slopes, severely eroded	223C3	Varna silty clay loam, 4 to 6 percent slopes, severely eroded
228A	Nappanee silt loam, 0 to 2 percent slopes	228A	Nappanee silt loam, 0 to 2 percent slopes
228B 228B	Nappanee silt loam, 2 to 4 percent slopes Nappanee silt loam, 2 to 5 percent slopes	228B	Nappanee silt loam, 2 to 4 percent slopes
232A 232	Ashkum silty clay loam, 0 to 2 percent slopes Ashkum silty clay loam	232A	Ashkum silty clay loam, 0 to 2 percent slopes
235A 235	Bryce silty clay, 0 to 2 percent slopes Bryce silty clay	235A	Bryce silty clay, 0 to 2 percent slopes
241D3 241G	Chatsworth silty clay, 6 to 12 percent slopes, severely eroded Chatsworth silt loam, 15 to 50 percent slopes	241D3 ¹	Chatsworth silty clay, 6 to 12 percent slopes, severely eroded
241E3 241G	Chatsworth silty clay, 12 to 20 percent slopes, severely eroded Chatsworth silt loam, 15 to 50 percent slopes	241E3 ¹	Chatsworth silty clay, 12 to 20 percent slopes, severely eroded
241F 241G	Chatsworth silty clay loam, 20 to 30 percent slopes Chatsworth silt loam, 15 to 50 percent slopes	241F ^{1,4}	Chatsworth silty clay loam, 20 to 30 percent slopes
241G 241G	Chatsworth silty clay loam, 30 to 50 percent slopes Chatsworth silt loam, 15 to 50 percent slopes	241G	Chatsworth silty clay loam, 30 to 50 percent slopes
290B 290B	Warsaw loam, 2 to 4 percent slopes Warsaw sandy loam, 1 to 5 percent slopes	290B	Warsaw loam, 2 to 4 percent slopes
290C2	Warsaw silt loam, 4 to 6 percent slopes, eroded	290C2 ²	Warsaw silt loam, 4 to 6 percent slopes, eroded
293A 293	Andres silt loam, 0 to 2 percent slopes Andres silt loam	293A	Andres silt loam, 0 to 2 percent slopes
294A 294B	Symerton silt loam, 0 to 2 percent slopes Symerton silt loam, 1 to 5 percent slopes	294A ^{1,3}	Symerton silt loam, 0 to 2 percent slopes
294B 294B	Symerton silt loam, 2 to 5 percent slopes Symerton silt loam, 1 to 5 percent slopes	294B	Symerton silt loam, 2 to 5 percent slopes
294C2	Symerton silt loam, 5 to 10 percent slopes, eroded	294C2	Symerton silt loam, 5 to 10 percent slopes, eroded

Grundy County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
298A 146A	Beecher silt loam, 0 to 2 percent slopes Elliott silt loam, 0 to 2 percent slopes	298A ^{1,2}	Beecher silt loam, 0 to 2 percent slopes
298B 146B	Beecher silt loam, 2 to 4 percent slopes Elliott silt loam, 2 to 5 percent slopes	298B ^{1,2}	Beecher silt loam, 2 to 4 percent slopes
315A 315B	Channahon silt loam, 0 to 2 percent slopes Channahon loam, 1 to 4 percent slopes	315A ¹	Channahon silt loam, 0 to 2 percent slopes
315B 315B	Channahon silt loam, 2 to 4 percent slopes Channahon loam, 1 to 4 percent slopes	315B	Channahon silt loam, 2 to 4 percent slopes
315C2 315B	Channahon silt loam, 4 to 6 percent slopes, eroded Channahon loam, 1 to 4 percent slopes	315C2 ¹	Channahon silt loam, 4 to 6 percent slopes, eroded
318B	Lorenzo loam, 2 to 4 percent slopes	318B ²	Lorenzo loam, 2 to 4 percent slopes
329A	Will silty clay loam, 0 to 2 percent slopes	329A ²	Will silty clay loam, 0 to 2 percent slopes
330A 330	Peotone silty clay loam, 0 to 2 percent slopes Peotone silty clay loam	330A	Peotone silty clay loam, 0 to 2 percent slopes
343A 343	Kane silt loam, 0 to 2 percent slopes Kane silt loam	343A	Kane silt loam, 0 to 2 percent slopes
354B 354B	Hononegah loamy sand, 1 to 6 percent slopes Hononegah loamy sand, 1 to 5 percent slopes	354B	Hononegah loamy sand, 1 to 6 percent slopes
354D 354C	Hononegah loamy sand, 6 to 12 percent slopes Hononegah loamy sand, 5 to 15 percent slopes	354D	Hononegah loamy sand, 6 to 12 percent slopes
356A 152	Elpaso silty clay loam, 0 to 2 percent slopes Drummer silty clay loam	356A ¹	Elpaso silty clay loam, 0 to 2 percent slopes
494B	Kankakee fine sandy loam, 2 to 4 percent slopes	494B ²	Kankakee fine sandy loam, 2 to 4 percent slopes
503A 503B	Rockton silt loam, 0 to 2 percent slopes Rockton silt loam, 1 to 5 percent slopes	503A ¹	Rockton silt loam, 0 to 2 percent slopes
503B 503B	Rockton silt loam, 2 to 4 percent slopes Rockton silt loam, 1 to 5 percent slopes	503B	Rockton silt loam, 2 to 4 percent slopes
513A 89	Granby fine sandy loam, 0 to 2 percent slopes Maumee loamy fine sand	513A	Granby fine sandy loam, 0 to 2 percent slopes
516A 516	Faxon silt loam, 0 to 2 percent slopes Faxon silty clay loam	516A	Faxon silt loam, 0 to 2 percent slopes
530B 194B	Ozaukee silt loam, 2 to 4 percent slopes Morley silt loam, 2 to 5 percent slopes	530B	Ozaukee silt loam, 2 to 4 percent slopes
530C2 194C3	Ozaukee silt loam, 4 to 6 percent slopes, eroded Morley silty clay loam, 5 to 10 percent slopes, severely eroded	530C2 ¹	Ozaukee silt loam, 4 to 6 percent slopes, eroded
530C3 194C3	Ozaukee silty clay loam, 4 to 6 percent slopes, severely eroded Morley silty clay loam, 5 to 10 percent slopes, severely eroded	530C3	Ozaukee silty clay loam, 4 to 6 percent slopes, severely eroded
530D2 241G	Ozaukee silt loam, 6 to 12 percent slopes, Chatsworth silt loam, 15 to 50 percent slopes	530D2 ¹	Ozaukee silt loam, 6 to 12 percent slopes, eroded

Grundy County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
530D3 241G 194C3	Ozaukee silty clay loam, 6 to 12 percent slopes, severely eroded Chatsworth silt loam, 15 to 50 percent slopes Morley silty clay loam, 5 to 10 percent slopes, severely eroded	530D3 ¹	Ozaukee silty clay loam, 6 to 12 percent slopes, severely eroded
530E2 241G	Ozaukee silt loam, 12 to 20 percent slopes, eroded Chatsworth silt loam, 15 to 50 percent slopes	530E2 ¹	Ozaukee silt loam, 12 to 20 percent slopes, eroded
530F 241G	Ozaukee silt loam, 20 to 30 percent slopes Chatsworth silt loam, 15 to 50 percent slopes	530F ¹	Ozaukee silt loam, 20 to 30 percent slopes
536	Dumps	536	Dumps
541B 145B 294B	Graymont silt loam, 2 to 5 percent slopes Saybrook silt loam, 1 to 5 percent slopes Symerton silt loam, 1 to 5 percent slopes	541B ¹	Graymont silt loam, 2 to 5 percent slopes
541C2 145C2	Graymont silt loam, 5 to 10 percent slopes, eroded Saybrook silt loam, 5 to 10 percent slopes, eroded	541C2	Graymont silt loam, 5 to 10 percent slopes, eroded
553A 553	Bryce, shale substratum-Calamine silty clays, 0 to 2 percent slopes Bryce-Calamine variant complex	553A	Bryce, shale substratum-Calamine silty clays, 0 to 2 percent slopes
555A 555	Shadeland silt loam, 0 to 2 percent slopes Shadeland loam	555A	Shadeland silt loam, 0 to 2 percent slopes
556B 556B	High Gap silt loam, 2 to 5 percent slopes High Gap loam, 1 to 5 percent slopes	556B	High Gap silt loam, 2 to 5 percent slopes
570B 570B	Martinsville loam, 2 to 4 percent slopes Martinsville loam, 1 to 5 percent slopes	570B	Martinsville loam, 2 to 4 percent slopes
570C2 570C	Martinsville loam, 4 to 6 percent slopes, eroded Martinsville loam, 5 to 10 percent slopes	570C2	Martinsville loam, 4 to 6 percent slopes, eroded
570D2 570C	Martinsville loam, 6 to 12 percent slopes, eroded Martinsville loam, 5 to 10 percent slopes	570D2 ¹	Martinsville loam, 6 to 12 percent slopes, eroded
594A 594	Reddick clay loam, 0 to 2 percent slopes Reddick silty clay loam	594A	Reddick clay loam, 0 to 2 percent slopes
614A 146A 149	Chenoa silty clay loam, 0 to 2 percent slopes Elliott silt loam, 0 to 2 percent slopes Brenton silt loam	614A ¹	Chenoa silty clay loam, 0 to 2 percent slopes
672A 439A	Crescent loam, 0 to 2 percent slopes Jasper silt loam, sandy substratum, 0 to 2 percent slopes	672A	Crescent loam, 0 to 2 percent slopes
672B 439B	Crescent loam, 2 to 5 percent slopes Jasper silt loam, sandy substratum, 2 to 6 percent slopes	672B	Crescent loam, 2 to 5 percent slopes
688B	Braidwood loam, 1 to 7 percent slopes	688B ²	Braidwood loam, 1 to 7 percent slopes
688D 802D	Braidwood loam, 7 to 20 percent slopes Orthents, loamy, rolling	688D	Braidwood loam, 7 to 20 percent slopes
688G 802G	Braidwood loam, 20 to 70 percent slopes Orthents, loamy, very steep	688G	Braidwood loam, 20 to 70 percent slopes
740A 740	Darroch silt loam, 0 to 2 percent slopes Darroch silt loam	740A	Darroch silt loam, 0 to 2 percent slopes
741B	Oakville fine sand, 1 to 6 percent slopes	741B ²	Oakville fine sand, 1 to 6 percent slopes

Grundy County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
741D	Oakville fine sand, 6 to 12 percent slopes	741D ²	Oakville fine sand, 6 to 12 percent slopes
802B 392	Orthents, loamy, undulating Urban land-Orthents complex	802B	Orthents, loamy, undulating
802D	Orthents, loamy, rolling	802D	Orthents, loamy, rolling
817A	Channahon-Hesch fine sandy loams, 0 to 2 percent slopes	817A ⁴	Channahon-Hesch fine sandy loams, 0 to 2 percent slopes
817B	Channahon-Hesch fine sandy loams, 2 to 6 percent slopes	817B ⁴	Channahon-Hesch fine sandy loams, 2 to 6 percent slopes
830	Landfills	830	Landfills
863	Pits, clay	863	Pits, clay
865	Pits, gravel	865	Pits, gravel
871D 802D	Lenzburg silty clay loam, 7 to 20 percent slopes Orthents, loamy, rolling	871D	Lenzburg silty clay loam, 7 to 20 percent slopes
871G 802G	Lenzburg silty clay loam, 20 to 60 percent slopes Orthents, loamy, very steep	871G	Lenzburg silty clay loam, 20 to 60 percent slopes
1107A 1107	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded Sawmill silty clay loam, wet	1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
3073A 73	Ross loam, 0 to 2 percent slopes, frequently flooded Ross silt loam	3073A ¹	Ross loam, 0 to 2 percent slopes, frequently flooded
3107A 107	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded Sawmill silty clay loam	3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
3451A 451	Lawson silt loam, 0 to 2 percent slopes, frequently flooded Lawson silt loam	3451A ¹	Lawson silt loam, 0 to 2 percent slopes, frequently flooded
3776A 776	Comfrey loam, 0 to 2 percent slopes, frequently flooded Comfrey loam	3776A ¹	Comfrey loam, 0 to 2 percent slopes, frequently flooded
4107A 811	Sawmill mucky silt loam, ponded, 0 to 2 percent slopes, frequently flooded Aquolls	4107A	Sawmill mucky silt loam, ponded, 0 to 2 percent slopes, frequently flooded
4516A 811	Faxon mucky silt loam, ponded, 0 to 2 percent slopes Aquolls	4516A	Faxon mucky silt loam, ponded, 0 to 2 percent slopes
4904A 811	Muskego and Peotone soils, ponded, 0 to 2 percent slopes Aquolls	4904A	Muskego and Peotone soils, ponded, 0 to 2 percent slopes
8073A 73	Ross loam, 0 to 2 percent slopes, occasionally flooded Ross silt loam	8073A	Ross loam, 0 to 2 percent slopes, occasionally flooded
8107A 107	Sawmill silty clay loam, 0 to 2 percent slopes, occasionally flooded Sawmill silty clay loam	8107A ¹	Sawmill silty clay loam, 0 to 2 percent slopes, occasionally flooded
8404A 235	Titus silty clay loam, 0 to 2 percent slopes, occasionally flooded Bryce silty clay	8404A ^{1,4}	Titus silty clay loam, 0 to 2 percent slopes, occasionally flooded
8451A 451	Lawson silt loam, 0 to 2 percent slopes, occasionally flooded Lawson silt loam	8451A	Lawson silt loam, 0 to 2 percent slopes, occasionally flooded

Grundy County, IL Correlation Legend (continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
8776A 776	Comfrey loam, 0 to 2 percent slopes, occasionally flooded Comfrey loam	8776A	Comfrey loam, 0 to 2 percent slopes, occasionally flooded
M-W	Miscellaneous water	M-W	Miscellaneous water
W	Water	W	Water

- 1 See "Notes to Accompany the Classification and Correlation of Soils" for correlation description.
- 2 Added for perfect join with Will County, Illinois.
- 3 Added for perfect join with Kankakee County, Illinois.
- 4 Added for perfect join with LaSalle County, Illinois.

Series established by this correlation: None

Series or families added to previous correlated legend: Beecher, Braidwood, Chenoa, Crescent, Elpaso, Granby, Graymont, Hesch, Kankakee, Lenzburg, Lorenzo, Muskego, Ozaukee, Rodman, Titus, and Will

Series dropped from previous correlated legend: Aquolls, Jasper, Maumee, Morley, and Saybrook

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

Prior soil survey publication: The last soil survey of Grundy County was completed in 1976 and published by the United States Department of Agriculture, Soil Conservation Service in May 1980. It is Illinois Agricultural Experiment Station Soil Report No. 112, "Soil Survey of Grundy County, 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: Grundy County, which was published in 1980, joins five modern soil surveys. These are Kankakee, Kendall, La Salle, Livingston, and Will Counties in Illinois. Kankakee County to the east was updated and SSURGO certified in 2004. Kendall County to the north was published in 1978; La Salle County to the west was published in 1972 and is in the process of being updated. Livingston County to the south was published in 1996. Will County to the east was updated with Soil View released in 2005 and the hardcopy soil survey report published in 2004.

An exact join will be completed with Kankakee and Will Counties and the updated La Salle County soil survey. An acceptable join will be completed with the remaining adjacent counties.

Instructions for map compilation, map finishing, and digitizing: The soil maps from the 1980 report were scanned and digitized by funds provided by the Illinois Department of Transportation. The soil vector lines will be adjusted on the computer by the Aurora MLRA staff. The conventional and special symbols layer will be hand digitized by the Aurora MLRA staff. 1998 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 Aurora MLRA Project 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. 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 Grundy 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.

FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

Date: **November 2005**

SOIL SURVEY FEATURES



STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES

Bedrock escarpment	^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^
Non-bedrock escarpment	^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^
Short steep slope
Gravelly spot	⋮
Sandy spot	⊗
Severely eroded spot	≡
Stony spot	○
Very stony spot	⊙
Wet spot	ψ

AD HOC FEATURES

CSP	29	⊗
MUC	30	⊙

CULTURAL FEATURES (Optional)

BOUNDARIES

County or parish	- - - - -
Field sheet matchline and neatline	—
Public Land Survey System Section Corner Tics.	L ⊥ ⊕

ROAD EMBLEMS

Interstate	⬡
Federal	⬢
State	○

**Definitions and Guidelines for Use of Conventional and Special Symbols
for
Grundy County, Illinois
A Subset of MLRA 110 and 108A**

Description	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, non-bedrock	ESO	A relatively continuous and steep slope or cliff, which generally is produced by erosion but can be produced by faulting, that breaks the continuity of more gently sloping land surfaces. Exposed earthy material is non-soil or very shallow soil.
Short, steep slope	SLP	Narrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.
Gravelly spot	GRA	A spot where the surface layer has more than 35 percent, by volume, of rock fragments that are mostly less than 3 inches in diameter in an area with less than 15 percent fragments. Typically 1/4 to 2 acres.
Sandy spot	SAN	A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer. Typically 1/4 to 2 acres.
Severely eroded spot	ERO	An area where on the average 75 percent or more of the original surface layer has been lost because of accelerated erosion. Not used in map units that are named severely eroded, very severely eroded, or gullied. Typically 1/4 to 2 acres.
Stony spot	STN	A spot where 0.01 to 0.1 percent of the surface cover is rock fragments that are greater than 10 inches in diameter in areas where the surrounding soil has no surface stones. Typically 1/4 to 2 acres.
Very stony spot	STV	A spot where 0.1 to 3 percent of the surface cover is rock fragments that are greater than 10 inches in diameter in areas where the surrounding soil has less than 0.01 percent of the surface cover of stones. Typically 1/4 to 2 acres.
Wet spot	WET	A somewhat poorly drained to very poorly drained area that is at least 2 drainage classes wetter than the named soils in the surrounding map unit. Typically 1/4 to 2 acres.
AD HOC FEATURES		
Calcareous spot	CSP	A spot where the surface layer contains carbonates in areas where the surface layer of the named soils in the surrounding map unit is noncalcareous. Effervescence can be detected by dilute hydrochloric acid. Typically 1/4 to 2 acres.
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.
BOUNDARIES		
County or parish		County boundary is shown.
ROAD EMBLEMS		
Interstate, Federal, and State		Use appropriate symbols for Interstate, Federal, and State roads. Other roads will not be labeled.

Conversion Legend of Grundy 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
23A	23A
23B	23A ¹
23B	23B
42	42A
42A	42A
49	49A
49A	49A
69	69A
69A	69A
73	3073A ¹
73	8073A
88B	88B
89	513A
91A	91A
91B	91B
91B	91B2 ¹
91B	91C2 ¹
91B2	91B2
91C2	91C2
93C2	93C2 ²
98B	98B
107	3107A
107	8107A ¹
125	125A
125A	125A
132	132A
132A	132A
145B	541B
145C2	541C2
146A	146A
146A	298A ^{1,2}
146A	614A ¹
146B	146B
146B	298B ^{1,2}
148A	148A
148B	148B
149	149A
149	614A ¹
149A	149A
151	151A
151A	151A
152	152A
152	356A ¹
152A	152A
184	184A
184A	184A
189A	189A
189A	189B ¹
189B	189B

Field symbol	Publication symbol
194B	530B
194C3	530C2 ¹
194C3	530C3
194C3	530D3 ¹
201	201A
201A	201A
223B	223B
223B	223B2 ¹
223B2	223B2
223C2	223C2
223C3	223C2 ¹
223C3	223C3
228A	228A
228B	228B
232	232A
232A	232A
235	235A
235	8404A ¹
235A	235A
241D3	241D3
241E3	241E3
241F	241F
241G	241D3 ¹
241G	241E3 ¹
241G	241F ^{1,4}
241G	241G
241G	530D2 ¹
241G	530D3 ¹
241G	530E2 ¹
241G	530F ¹
290B	290B
290C2	290C2 ²
293	293A
293A	293A
294A	294A
294B	294A ^{1,3}
294B	294B
294B	541B ¹
294C2	294C2
298A	298A
298B	298B
315A	315A
315B	315A ¹
315B	315B
315B	315C2 ¹
315C2	315C2
318B	318B ²
329A	329A ²

Field symbol	Publication symbol
330	330A
330A	330A
343	343A
343A	343A
354B	354B
354C	354D
354D	354D
356A	356A
392	802B
439A	672A
439B	672B
451	3451A ¹
451	8451A
494B	494B ²
503A	503A
503B	503A ¹
503B	503B
513A	513A
516	516A
516A	516A
530B	530B
530C2	530C2
530C3	530C3
530D2	530D2
530D3	530D3
530E2	530E2
530F	530F
536	536
541B	541B
541C2	541C2
553	553A
553A	553A
555	555A
555A	555A
556B	556B
570B	570B
570C	570C2
570C	570D2 ¹
570C2	570C2
570D2	570D2
594	594A
594A	594A
614A	614A
672A	672A
672B	672B
688B	688B ²
688D	688D
688G	688G

Field symbol	Publication symbol
740	740A
740A	740A
741B	741B ²
741D	741D ²
776	3776A ¹
776	8776A
802B	802B
802D	688D
802D	802D
802D	871D
802G	688G
802G	871G
811	4107A

Field symbol	Publication symbol
811	4516A
811	4904A
817A	817A ⁴
817B	817B ⁴
830	830
863	863
865	865
871D	871D
871G	871G
1107	1107A
1107A	1107A
3073A	3073A

Field symbol	Publication symbol
3107A	3107A
3451A	3451A
3776A	3776A
4107A	4107A
4516A	4516A
4904A	4904A
8073A	8073A
8107A	8107A
8404A	8404A ^{1,4}
8451A	8451A
8776A	8776A
M-W	M-W
W	W

- 1 See "Notes to Accompany the Classification and Correlation of soils" for conversion description.
- 2 Added for perfect join with Will County, Illinois.
- 3 Added for perfect join with Kankakee County, Illinois.
- 4 Added for perfect join with LaSalle County, Illinois.

**Grundy County, Illinois
Alphabetical Soil Map Legend**

Map symbol	Soil name
98B	Ade loamy fine sand, 1 to 6 percent slopes
293A	Andres silt loam, 0 to 2 percent slopes
232A	Ashkum silty clay loam, 0 to 2 percent slopes
298A	Beecher silt loam, 0 to 2 percent slopes
298B	Beecher silt loam, 2 to 4 percent slopes
23A	Blount silt loam, 0 to 2 percent slopes
23B	Blount silt loam, 2 to 4 percent slopes
688B	Braidwood loam, 1 to 7 percent slopes
688G	Braidwood loam, 20 to 70 percent slopes
688D	Braidwood loam, 7 to 20 percent slopes
149A	Brenton silt loam, 0 to 2 percent slopes
235A	Bryce silty clay, 0 to 2 percent slopes
553A	Bryce, shale substratum-Calamine silty clays, 0 to 2 percent slopes
315A	Channahon silt loam, 0 to 2 percent slopes
315B	Channahon silt loam, 2 to 4 percent slopes
315C2	Channahon silt loam, 4 to 6 percent slopes, eroded
817A	Channahon-Hesch fine sandy loams, 0 to 2 percent slopes
817B	Channahon-Hesch fine sandy loams, 2 to 6 percent slopes
241D3	Chatsworth silty clay, 6 to 12 percent slopes, severely eroded
241E3	Chatsworth silty clay, 12 to 20 percent slopes, severely eroded
241F	Chatsworth silty clay loam, 20 to 30 percent slopes
241G	Chatsworth silty clay loam, 30 to 50 percent slopes
614A	Chenoa silty clay loam, 0 to 2 percent slopes
3776A	Comfrey loam, 0 to 2 percent slopes, frequently flooded
8776A	Comfrey loam, 0 to 2 percent slopes, occasionally flooded
672A	Crescent loam, 0 to 2 percent slopes
672B	Crescent loam, 2 to 5 percent slopes
740A	Darroch silt loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes
536	Dumps
146A	Elliott silt loam, 0 to 2 percent slopes
146B	Elliott silt loam, 2 to 4 percent slopes
356A	Elpaso silty clay loam, 0 to 2 percent slopes
4516A	Faxon mucky silt loam, ponded, 0 to 2 percent slopes
516A	Faxon silt loam, 0 to 2 percent slopes
201A	Gilford fine sandy loam, 0 to 2 percent slopes

Grundy County Alphabetical Soil Identification Legend (cont.)

Map symbol	Soil name
513A	Granby fine sandy loam, 0 to 2 percent slopes
541B	Graymont silt loam, 2 to 5 percent slopes
541C2	Graymont silt loam, 5 to 10 percent slopes, eroded
556B	High Gap silt loam, 2 to 5 percent slopes
354B	Hononegah loamy sand, 1 to 6 percent slopes
354D	Hononegah loamy sand, 6 to 12 percent slopes
343A	Kane silt loam, 0 to 2 percent slopes
494B	Kankakee fine sandy loam, 2 to 4 percent slopes
830	Landfills
3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded
8451A	Lawson silt loam, 0 to 2 percent slopes, occasionally flooded
871D	Lenzburg silty clay loam, 7 to 20 percent slopes
871G	Lenzburg silty clay loam, 20 to 60 percent slopes
318B	Lorenzo loam, 2 to 4 percent slopes
570B	Martinsville loam, 2 to 4 percent slopes
570C2	Martinsville loam, 4 to 6 percent slopes, eroded
570D2	Martinsville loam, 6 to 12 percent slopes, eroded
189A	Martinton silt loam, 0 to 2 percent slopes
189B	Martinton silt loam, 2 to 4 percent slopes
69A	Milford silty clay loam, 0 to 2 percent slopes
M-W	Miscellaneous water
4904A	Muskego and Peotone soils, ponded, 0 to 2 percent slopes
228A	Nappanee silt loam, 0 to 2 percent slopes
228B	Nappanee silt loam, 2 to 4 percent slopes
741B	Oakville fine sand, 1 to 6 percent slopes
741D	Oakville fine sand, 6 to 12 percent slopes
802D	Orthents, loamy, rolling
802B	Orthents, loamy, undulating
530B	Ozaukee silt loam, 2 to 4 percent slopes
530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded
530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
530E2	Ozaukee silt loam, 12 to 20 percent slopes, eroded
530F	Ozaukee silt loam, 20 to 30 percent slopes
530C3	Ozaukee silty clay loam, 4 to 6 percent slopes, severely eroded
530D3	Ozaukee silty clay loam, 6 to 12 percent slopes, severely eroded
42A	Papineau sandy loam, 0 to 2 percent slopes
330A	Peotone silty clay loam, 0 to 2 percent slopes
863	Pits, clay

Grundy County Alphabetical Soil Identification Legend (cont.)

Map symbol	Soil name
865	Pits, gravel
148A	Proctor silt loam, 0 to 2 percent slopes
148B	Proctor silt loam, 2 to 5 percent slopes
594A	Reddick clay loam, 0 to 2 percent slopes
151A	Ridgeville fine sandy loam, 0 to 2 percent slopes
184A	Roby fine sandy loam, 0 to 2 percent slopes
503A	Rockton silt loam, 0 to 2 percent slopes
503B	Rockton silt loam, 2 to 4 percent slopes
93C2	Rodman gravelly loam, 4 to 6 percent slopes, eroded
3073A	Ross loam, 0 to 2 percent slopes, frequently flooded
8073A	Ross loam, 0 to 2 percent slopes, occasionally flooded
4107A	Sawmill mucky silt loam, ponded, 0 to 2 percent slopes, frequently flooded
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
8107A	Sawmill silty clay loam, 0 to 2 percent slopes, occasionally flooded
1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
125A	Selma loam, 0 to 2 percent slopes
555A	Shadeland silt loam, 0 to 2 percent slopes
88B	Sparta loamy fine sand, 1 to 6 percent slopes
132A	Starks silt loam, 0 to 2 percent slopes
91A	Swygert silty clay loam, 0 to 2 percent slopes
91B	Swygert silty clay loam, 2 to 4 percent slopes
91B2	Swygert silty clay loam, 2 to 4 percent slopes, eroded
91C2	Swygert silty clay loam, 4 to 6 percent slopes, eroded
294A	Symerton silt loam, 0 to 2 percent slopes
294B	Symerton silt loam, 2 to 5 percent slopes
294C2	Symerton silt loam, 5 to 10 percent slopes, eroded
8404A	Titus silty clay loam, 0 to 2 percent slopes, occasionally flooded
223B	Varna silt loam, 2 to 4 percent slopes
223B2	Varna silt loam, 2 to 4 percent slopes, eroded
223C2	Varna silt loam, 4 to 6 percent slopes, eroded
223C3	Varna silty clay loam, 4 to 6 percent slopes, severely eroded
290B	Warsaw loam, 2 to 4 percent slopes
290C2	Warsaw silt loam, 4 to 6 percent slopes, eroded
W	Water
49A	Watseka loamy fine sand, 0 to 2 percent slopes
329A	Will silty clay loam, 0 to 2 percent slopes

**Grundy County, Illinois
Numerical Soil Identification Legend**

Map symbol	Soil name
23A	Blount silt loam, 0 to 2 percent slopes
23B	Blount silt loam, 2 to 4 percent slopes
42A	Papineau sandy loam, 0 to 2 percent slopes
49A	Watseka loamy fine sand, 0 to 2 percent slopes
69A	Milford silty clay loam, 0 to 2 percent slopes
88B	Sparta loamy fine sand, 1 to 6 percent slopes
91A	Swygert silty clay loam, 0 to 2 percent slopes
91B	Swygert silty clay loam, 2 to 4 percent slopes
91B2	Swygert silty clay loam, 2 to 4 percent slopes, eroded
91C2	Swygert silty clay loam, 4 to 6 percent slopes, eroded
93C2	Rodman gravelly loam, 4 to 6 percent slopes, eroded
98B	Ade loamy fine sand, 1 to 6 percent slopes
125A	Selma loam, 0 to 2 percent slopes
132A	Starks silt loam, 0 to 2 percent slopes
146A	Elliott silt loam, 0 to 2 percent slopes
146B	Elliott silt loam, 2 to 4 percent slopes
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
151A	Ridgeville fine sandy loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes
184A	Roby fine sandy loam, 0 to 2 percent slopes
189A	Martinton silt loam, 0 to 2 percent slopes
189B	Martinton silt loam, 2 to 4 percent slopes
201A	Gilford fine sandy loam, 0 to 2 percent slopes
223B	Varna silt loam, 2 to 4 percent slopes
223B2	Varna silt loam, 2 to 4 percent slopes, eroded
223C2	Varna silt loam, 4 to 6 percent slopes, eroded
223C3	Varna silty clay loam, 4 to 6 percent slopes, severely eroded
228A	Nappanee silt loam, 0 to 2 percent slopes
228B	Nappanee silt loam, 2 to 4 percent slopes
232A	Ashkum silty clay loam, 0 to 2 percent slopes
235A	Bryce silty clay, 0 to 2 percent slopes
241D3	Chatsworth silty clay, 6 to 12 percent slopes, severely eroded
241E3	Chatsworth silty clay, 12 to 20 percent slopes, severely eroded
241F	Chatsworth silty clay loam, 20 to 30 percent slopes

Grundy County Numerical Soil Identification Legend (cont.)

Map symbol	Soil name
241G	Chatsworth silty clay loam, 30 to 50 percent slopes
290B	Warsaw loam, 2 to 4 percent slopes
290C2	Warsaw silt loam, 4 to 6 percent slopes, eroded
293A	Andres silt loam, 0 to 2 percent slopes
294A	Symerton silt loam, 0 to 2 percent slopes
294B	Symerton silt loam, 2 to 5 percent slopes
294C2	Symerton silt loam, 5 to 10 percent slopes, eroded
298A	Beecher silt loam, 0 to 2 percent slopes
298B	Beecher silt loam, 2 to 4 percent slopes
315A	Channahon silt loam, 0 to 2 percent slopes
315B	Channahon silt loam, 2 to 4 percent slopes
315C2	Channahon silt loam, 4 to 6 percent slopes, eroded
318B	Lorenzo loam, 2 to 4 percent slopes
329A	Will silty clay loam, 0 to 2 percent slopes
330A	Peotone silty clay loam, 0 to 2 percent slopes
343A	Kane silt loam, 0 to 2 percent slopes
354B	Hononegah loamy sand, 1 to 6 percent slopes
354D	Hononegah loamy sand, 6 to 12 percent slopes
356A	Elpaso silty clay loam, 0 to 2 percent slopes
494B	Kankakee fine sandy loam, 2 to 4 percent slopes
503A	Rockton silt loam, 0 to 2 percent slopes
503B	Rockton silt loam, 2 to 4 percent slopes
513A	Granby fine sandy loam, 0 to 2 percent slopes
516A	Faxon silt loam, 0 to 2 percent slopes
530B	Ozaukee silt loam, 2 to 4 percent slopes
530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded
530C3	Ozaukee silty clay loam, 4 to 6 percent slopes, severely eroded
530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
530D3	Ozaukee silty clay loam, 6 to 12 percent slopes, severely eroded
530E2	Ozaukee silt loam, 12 to 20 percent slopes, eroded
530F	Ozaukee silt loam, 20 to 30 percent slopes
536	Dumps
541B	Graymont silt loam, 2 to 5 percent slopes
541C2	Graymont silt loam, 5 to 10 percent slopes, eroded
553A	Bryce, shale substratum-Calamine silty clays, 0 to 2 percent slopes
555A	Shadeland silt loam, 0 to 2 percent slopes
556B	High Gap silt loam, 2 to 5 percent slopes

Grundy County, Illinois Numerical Soil Identification Legend (cont.)

Map symbol	Soil name
570B	Martinsville loam, 2 to 4 percent slopes
570C2	Martinsville loam, 4 to 6 percent slopes, eroded
570D2	Martinsville loam, 6 to 12 percent slopes, eroded
594A	Reddick clay loam, 0 to 2 percent slopes
614A	Chenoa silty clay loam, 0 to 2 percent slopes
672A	Crescent loam, 0 to 2 percent slopes
672B	Crescent loam, 2 to 5 percent slopes
688B	Braidwood loam, 1 to 7 percent slopes
688D	Braidwood loam, 7 to 20 percent slopes
688G	Braidwood loam, 20 to 70 percent slopes
740A	Darroch silt loam, 0 to 2 percent slopes
741B	Oakville fine sand, 1 to 6 percent slopes
741D	Oakville fine sand, 6 to 12 percent slopes
802B	Orthents, loamy, undulating
802D	Orthents, loamy, rolling
817A	Channahon-Hesch fine sandy loams, 0 to 2 percent slopes
817B	Channahon-Hesch fine sandy loams, 2 to 6 percent slopes
830	Landfills
863	Pits, clay
865	Pits, gravel
871D	Lenzburg silty clay loam, 7 to 20 percent slopes
871G	Lenzburg silty clay loam, 20 to 60 percent slopes
1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
3073A	Ross loam, 0 to 2 percent slopes, frequently flooded
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded
3776A	Comfrey loam, 0 to 2 percent slopes, frequently flooded
4107A	Sawmill mucky silt loam, ponded, 0 to 2 percent slopes, frequently flooded
4516A	Faxon mucky silt loam, ponded, 0 to 2 percent slopes
4904A	Muskego and Peotone soils, ponded, 0 to 2 percent slopes
8073A	Ross loam, 0 to 2 percent slopes, occasionally flooded
8107A	Sawmill silty clay loam, 0 to 2 percent slopes, occasionally flooded
8404A	Titus silty clay loam, 0 to 2 percent slopes, occasionally flooded
8451A	Lawson silt loam, 0 to 2 percent slopes, occasionally flooded

Grundy County, Illinois Numerical Soil Identification Legend (cont.)

Map symbol	Soil name
8776A	Comfrey loam, 0 to 2 percent slopes, occasionally flooded
M-W	Miscellaneous water
W	Water

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

Laboratory Data from NSSL

<u>Sampled As</u>	<u>Pedon Number</u>	<u>Approved Series Name</u>
Ashkum	00IL-063-232	Ashkum

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

Map symbol	Map unit name	Map unit text notes
23A	Blount silt loam, 0 to 2 percent slopes	Approved 6/05. Blount (23A) was mapped on the original field sheets. It previously was correlated to 23B for SS Report No. 112, but with this update it will now correlate to 23A. The TUD is from Livingston County (87IL-105-090).
23B	Blount silt loam, 2 to 4 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope range is changed to 2 to 4 percent. The map unit pedon is from Livingston County (88IL-105-025).
42A	Papineau sandy loam, 0 to 2 percent slopes	Approved 6/05. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is the OSD pedon from Grundy County (76IL-063-006).
49A	Watsika loamy fine sand, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is the OSD pedon from Kankakee County (97IL-091-004).
69A	Milford silty clay loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is the OSD pedon from Iroquois County (59IL-075-001).
88B	Sparta loamy fine sand, 1 to 6 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. The TUD is from Vermilion County (03IL-183-001).
91A	Swygert silty clay loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. The TUD is the OSD pedon from Iroquois County (77IL-075-005).
91B	Swygert silty clay loam, 2 to 4 percent slopes	Approved 6/05. Previously correlated for SS Report No. 112. With this update the slope range is changed to 2 to 4 percent. The map unit pedon is from an Iroquois County profile description dated 04/15/1977.
91B2	Swygert silty clay loam, 2 to 4 percent slopes, eroded	Approved 6/05. Swygert (91B2) was mapped on the original field sheets. It previously was correlated to 91B for SS Report No. 112, but with this update it will now correlate to 91B2. It is a taxadjunct to the series because of a thin mollic epipedon and classifies as Aquollic Hapludalfs. The map unit pedon is from Livingston County (87IL-105-071).
91C2	Swygert silty clay loam, 4 to 6 percent slopes, eroded	Approved 6/05. Swygert (91C2 and 91C3) were mapped on the original field sheets. They previously were correlated to 91B for SS Report No. 112, but with this update they will now correlate to 91C2. It is a taxadjunct to the series because of a thin mollic epipedon and classifies as Aquollic Hapludalfs. The map unit pedon is from Vermilion County (84IL-183-008).
93C2	Rodman gravelly loam, 4 to 6 percent slopes, eroded	Approved 2/04. Needed for a perfect join with Will County. The TUD is from Will County (01IL-197-004).
98B	Ade loamy fine sand, 1 to 6 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. The TUD is the pedon from that report.
125A	Selma loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is from Iroquois County (00IL-075-001).
132A	Starks silt loam, 0 to 2 percent slopes	Approved 6/05. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is from Livingston County (87IL-105-069).
146A	Elliott silt loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. The TUD is the OSD pedon from Livingston County (85IL-105-034).
146B	Elliott silt loam, 2 to 4 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope range is changed to 2 to 4 percent. The map unit pedon is from the LaSalle County SS Report No. 91.
148A	Proctor silt loam, 0 to 2 percent slopes	Approved 6/05. Previously correlated for SS Report No. 112. The map unit pedon is from DeKalb County (95IL-037-001).
148B	Proctor silt loam, 2 to 5 percent slopes	Approved 6/05. Previously correlated for SS Report No. 112. The TUD is the OSD from Peoria County (85IL-143-006).

Map symbol	Map unit name	Map unit text notes
149A	Brenton silt loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is from Livingston County (87IL-105-096).
151A	Ridgeville fine sandy loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is the OSD pedon from Iroquois County (56IL-075-001).
152A	Drummer silty clay loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is from Livingston County (88IL-105-074).
184A	Roby fine sandy loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is the OSD pedon from Grundy County (75IL-063-060).
189A	Martinton silt loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope range is changed to 0 to 2 percent. The TUD is from Livingston County (87IL-105-083).
189B	Martinton silt loam, 2 to 4 percent slopes	Approved 6/05. Martinton (189B) was mapped on the original field sheets. It previously was correlated to 189A for SS Report No. 112, but with this update it will now correlate to 189B. The map unit pedon is from Livingston County (88IL-105-072).
201A	Gilford fine sandy loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is the pedon from the Grundy County SS Report.
223B	Varna silt loam, 2 to 4 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope range is changed to 2 to 4 percent. The TUD is the OSD pedon from Kankakee County (97IL-091-003).
223B2	Varna silt loam, 2 to 4 percent slopes, eroded	Approved 6/05. Varna (223B2) was mapped on the original field sheets. It previously was correlated to 223B for SS Report No. 112, but with this update it will now correlate to 223B2. It is a taxadjunct to the series because of a thin mollic epipedon and classifies as Mollic Oxyaquic Hapludalfs. The map unit pedon is from Livingston County (88IL-105-021).
223C2	Varna silt loam, 4 to 6 percent slopes, eroded	Approved 2/04. Varna (223C2) was mapped on the original field sheets. It previously was correlated to 223C3 for SS Report No. 112, but with this update it will now correlate to 223C2. It is a taxadjunct to the series because of a thin mollic epipedon and classifies as Mollic Oxyaquic Hapludalfs. The map unit pedon is from Vermilion County (84IL-183-064).
223C3	Varna silty clay loam, 4 to 6 percent slopes, severely eroded	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope range is changed to 4 to 6 percent. It is a taxadjunct to the series because of the lack of a mollic epipedon and classifies as Oxyaquic Hapludalfs. The map unit pedon is from Kankakee County (03IL-091-018).
228A	Nappanee silt loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. The map unit pedon is from Lake County (01IL-097-003).
228B	Nappanee silt loam, 2 to 4 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope range is changed to 2 to 4 percent. The TUD is from Lake County (01IL-097-005).
232A	Ashkum silty clay loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is the OSD pedon from Will County (96IL-197-023).
235A	Bryce silty clay, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is the OSD pedon from Iroquois County (77IL-075-006).
241D3	Chatsworth silty clay, 6 to 12 percent slopes, severely eroded	Approved 6/05. Chatsworth (241D3) was mapped on the original field sheets. It previously was correlated to 241G for SS Report No. 112, but with this update it will now correlate to 241D3. The TUD is the OSD pedon from Iroquois County (77IL-075-007).

Map symbol	Map unit name	Map unit text notes
241E3	Chatsworth silty clay, 12 to 20 percent slopes, severely eroded	Approved 6/05. Chatsworth (241E2) was mapped on the original field sheets. It previously was correlated to 241G for SS Report No. 112, but with this update it will now correlate to 241E3. The map unit pedon is from Iroquois County (77IL-075-065).
241F	Chatsworth silty clay loam, 20 to 30 percent slopes	Approved 6/05. Needed for a perfect join with LaSalle County. Additional units of 241F were delineated out of 241G polygons with the use of topo maps. The map unit pedon is from Will County (01IL-197-009).
241G	Chatsworth silty clay loam, 30 to 50 percent slopes	Approved 6/05. Previously correlated for SS Report No. 112. With this correlation the slope range is changed to 30 to 50 percent. The map unit pedon is from LaSalle County (04IL-099-001).
290B	Warsaw loam, 2 to 4 percent slopes	Approved 6/05. Previously correlated for SS Report No. 112. With this correlation the surface texture is changed to loam, and the slope range is changed to 2 to 4 percent. The map unit pedon is from McHenry County (T93IL-111-218).
290C2	Warsaw silt loam, 4 to 6 percent slopes, eroded	Approved 2/04. Needed for a perfect join with Will County. It is a taxadjunct to the series because of a thin mollic epipedon and classifies as Mollic Hapludalfs. The map unit pedon is from Will County (01IL-197-006).
293A	Andres silt loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is the OSD pedon from Livingston County (89IL-105-012).
294A	Symerton silt loam, 0 to 2 percent slopes	Approved 2/04. Needed for a perfect join with Kankakee County. Also Symerton (294A) was mapped on the original field sheets. It previously was correlated to 294B for SS Report No. 112, but with this update it will now correlate to 294A. The map unit pedon is from Will County (T96IL-197-133).
294B	Symerton silt loam, 2 to 5 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope range is changed to 2 to 5 percent. The TUD is the OSD pedon from Iroquois County (79IL-075-040).
294C2	Symerton silt loam, 5 to 10 percent slopes, eroded	Approved 2/04. Previously correlated for SS Report No. 112. It is a taxadjunct to the series because of a thin mollic epipedon and classifies as Mollic Oxyaquic Hapludalfs. The map unit pedon is from Livingston County (89IL-105-020).
298A	Beecher silt loam, 0 to 2 percent slopes	Approved 2/04. Needed for a perfect join with Will County. Also some units of Elliott (146A) mapped in areas where native vegetation is forest or where native vegetation is transitional between prairie and forest were correlated to Beecher. The TUD is the OSD pedon from Kankakee County (97IL-091-002).
298B	Beecher silt loam, 2 to 4 percent slopes	Approved 2/04. Needed for a perfect join with Will County. Also some units of Elliott (146B) mapped in areas where native vegetation is forest or where native vegetation is transitional between prairie and forest were correlated to Beecher. The map unit pedon is from Will County (T96IL-197-045).
315A	Channahon silt loam, 0 to 2 percent slopes	Approved 6/05. Channahon (315A) was mapped on the original field sheets. It previously was correlated to 315B for SS Report No. 112, but with this update it will now correlate to 315A. The map unit pedon is from Kankakee County (00IL-091-003).
315B	Channahon silt loam, 2 to 4 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope range is changed to 2 to 4 percent. The TUD is the OSD pedon from Grundy County (00IL-063-003).
315C2	Channahon silt loam, 4 to 6 percent slopes, eroded	Approved 6/05. Channahon (315C) was mapped on the original field sheets. It previously was correlated to 315B for SS Report No. 112, but with this update it will now correlate to 315C2. The map unit pedon is from Will County (T98IL-197-026).
318B	Lorenzo loam, 2 to 4 percent slopes	Approved 2/04. Needed for a perfect join with Will County. The TUD is the OSD pedon from LaSalle County (97IL-099-001).
329A	Will silty clay loam, 0 to 2 percent slopes	Approved 2/04. Needed for a perfect join with Will County. The TUD is from Will County (00IL-197-008).
330A	Peotone silty clay loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is the OSD pedon from Ford County (83IL-053-021).
343A	Kane silt loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is from Grundy County (73IL-063-055).

Map symbol	Map unit name	Map unit text notes
354B	Hononegah loamy sand, 1 to 6 percent slopes	Approved 6/05. Previously correlated for SS Report No. 112. With this correlation the slope range is changed to 1 to 6 percent. The TUD is from Grundy County (05IL-063-002).
354D	Hononegah loamy sand, 6 to 12 percent slopes	Approved 6/05. Previously correlated as 354C for SS Report No. 112. With this correlation the slope letter designation is changed to D, and the slope range is changed to 6 to 12 percent. The map unit pedon is from Grundy County (05IL-063-004).
356A	Elpaso silty clay loam, 0 to 2 percent slopes	Approved 6/05. Needed for a perfect join with LaSalle County. Also some units of Drummer (152) mapped in narrow drainageways within dissected end and ground moraines were correlated to Elpaso. The TUD is the OSD pedon from Woodford County (91IL-203-085).
494B	Kankakee fine sandy loam, 2 to 4 percent slopes	Approved 2/04. Needed for a perfect join with Will County. The TUD is from Kankakee County (03IL-091-017).
503A	Rockton silt loam, 0 to 2 percent slopes	Approved 6/05. Rockton (503A) was mapped on the original field sheets. It previously was correlated to 503B for SS Report No. 112, but with this update it will now correlate to 503A. The map unit pedon is from Kankakee County (03IL-091-012).
503B	Rockton silt loam, 2 to 4 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope range is changed to 2 to 4 percent. The TUD is from Kankakee County (03IL-091-014).
513A	Granby fine sandy loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated as Maumee for SS Report No. 112. Adjacent subsets mapped Granby because mollic epipedons were commonly less than 15 inches thick. The TUD is from Iroquois County (00IL-075-001).
516A	Faxon silt loam, 0 to 2 percent slopes	Approved 6/05. Previously correlated for SS Report No. 112. With this correlation the surface texture is changed to silt loam, the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is from Kankakee County (03IL-091-004).
530B	Ozaukee silt loam, 2 to 4 percent slopes	Approved 2/04. Previously correlated as Morley for SS Report No. 112. The silt content averages more than 50 percent in the lower part of the series control section. With this correlation the slope range is changed to 2 to 4 percent. The TUD is from DuPage County (97IL-043-004).
530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded	Approved 2/04. Morley (194C2) was mapped on the original field sheets. It previously was correlated to 194C3 for SS Report No. 112, but with this update it will now correlate to 530C2. The silt content averages more than 50 percent in the lower part of the series control section. The slope range will be 4 to 6 percent. The map unit pedon is from DuPage County (T96IL-043-092).
530C3	Ozaukee silty clay loam, 4 to 6 percent slopes, severely eroded	Approved 6/05. Previously correlated as Morley (194C3) for SS Report No. 112. The silt content averages more than 50 percent in the lower part of the series control section. Map unit delineations with 4 to 6 percent slopes will be identified with the use of USGS topographic maps. The map unit pedon is from McHenry County (94IL-111-048).
530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded	Approved 2/04. Needed for a perfect join with Will County. Also Morley (194D2) was mapped on the original field sheets. It previously was correlated to 241G for SS Report No. 112, but with this update it will now correlate to 530D2. The silt content averages more than 50 percent in the lower part of the series control section. The map unit pedon is from Vermilion County (84IL-183-146).
530D3	Ozaukee silty clay loam, 6 to 12 percent slopes, severely eroded	Approved 2/04. Morley (194D3) was mapped on the original field sheets. It previously was correlated to 241G for SS Report No. 112, but with this update it will now correlate to 530D3. Also map unit delineations with a slope range of 6 to 12 percent will be separated out of the areas of the published map unit delineations of 194C3 with 5 to 10 percent slopes by the use of USGS topographic maps. The silt content averages more than 50 percent in the lower part of the series control section. The map unit pedon is from Vermilion County (84IL-183-125).
530E2	Ozaukee silt loam, 12 to 20 percent slopes, eroded	Approved 2/04. Needed for a perfect join with Will County. Also Morley (194E2) was mapped on the original field sheets. It previously was correlated to 241G for SS Report No. 112, but with this update it will now correlate to 530E2. The silt content averages more than 50 percent in the lower part of the series control section.

Map symbol	Map unit name	Map unit text notes
530F	Ozaukee silt loam, 20 to 30 percent slopes	Approved 2/04. Needed for a perfect join with Will County. Also Morley (194F and 194F2) were mapped on the original field sheets. They previously were correlated to 241G for SS Report No. 112, but with this update they will now correlate to 530F. The silt content averages more than 50 percent in the lower part of the series control section. The map unit pedon is from Will County (T98IL-197-015).
536	Dumps	Approved 6/05. Previously correlated for SS Report No. 112. Several units have since been leveled and will now correlate to loamy, orthents. Linked to DMU 151335.
541B	Graymont silt loam, 2 to 5 percent slopes	Approved 2/04. Needed for a perfect join with Will County. Also Saybrook (145B) will now correlate to Graymont (541B) with this update. The texture of the till was found to fit the range of Graymont rather than Saybrook. In addition, units mapped Catlin (171B) on the original field sheets previously were correlated to Symerton (294B) for SS Report No. 112, but with this update these units will now correlate to Graymont (541B). The TUD is the OSD pedon from Livingston County (90IL-105-001).
541C2	Graymont silt loam, 5 to 10 percent slopes, eroded	Approved 6/05. Saybrook (145C2) will now correlate to Graymont (541C2) with this update. The texture of the till was found to fit the range of Graymont rather than Saybrook. It is a taxadjunct to the series because of a thin mollic epipedon and classifies as Mollic Oxyaquic Hapludalfs. The map unit pedon is from Will County (98IL-197-054).
553A	Bryce, shale substratum-Calamine silty clays, 0 to 2 percent slopes	Approved 6/05. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. Bryce is a taxadjunct to the series because of a shale substratum. The map unit pedon is from Grundy County (05IL-063-009). Calamine is a taxadjunct to the series because it lacks an argillic horizon and classifies as Typic Endoquolls. Also the surface layer texture of silty clay is outside the OSD RIC. The TUD is from Grundy County (05IL-063-007).
555A	Shadeland silt loam, 0 to 2 percent slopes	Approved 6/05. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, the surface texture is change to silt loam, and the slope range is added to the map unit name. It is a taxadjunct to the series because the surface layer meets the requirements for a mollic epipedon except for thickness. It classifies as Udollic Endoaqualfs. The TUD is from Grundy County (05IL-063-020).
556B	High Gap silt loam, 2 to 5 percent slopes	Approved 6/05. Previously correlated for SS Report No. 112. With this correlation the surface texture is changed to silt loam, and the slope range is changed to 2 to 5 percent. It is a taxadjunct to the series because the surface layer meets the requirements for a mollic epipedon except for thickness. It classifies as Mollic Hapludalfs. The TUD is from Grundy County (05IL-063-010).
570B	Martinsville loam, 2 to 4 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope range is changed to 2 to 4 percent. These soils generally have a lower pH in the C horizon than is defined for the series. The TUD is from Will County (01IL-197-001).
570C2	Martinsville loam, 4 to 6 percent slopes, eroded	Approved 2/04. Previously correlated as 570C for SS Report No. 112. With this correlation the erosion designation letter is added to the map unit symbol, and the term eroded added to the map unit name. Map units with 4 to 6 percent slopes will be identified with the use of topo maps. These soils generally have a lower pH in the C horizon than is defined for the series. The map unit pedon is from Will County (01IL-197-003).
570D2	Martinsville loam, 6 to 12 percent slopes, eroded	Approved 2/04. Previously correlated as 570C for SS Report No. 112. With this correlation the erosion designation letter is added to the map unit symbol, and the term eroded added to the map unit name. Map units with 6 to 12 percent slopes will be identified with the use of topo maps. These soils generally have a lower pH in the C horizon than is defined for the series. The map unit pedon is from Will County (01IL-197-002).
594A	Reddick clay loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, the surface texture is changed to clay loam, and the slope range is added to the map unit name. The TUD is the OSD pedon from Kankakee County (97IL-091-005).

Map symbol	Map unit name	Map unit text notes
614A	Chenoa silty clay loam, 0 to 2 percent slopes	Approved 6/05. Flanagan (154) was mapped on the original field sheets. It previously was correlated to Elliott (146A) for SS Report No. 112, but with this update it will now correlate to Chenoa (614A). Field investigations found the depth to till to be greater than 20 inches. Lisbon (59) was mapped on the original field sheets. It previously was correlated to Brenton (149) for SS Report No. 112, but with this update those units will now correlate to Chenoa (614A). The TUD is the OSD pedon from Livingston County (87IL-105-121).
672A	Crescent loam, 0 to 2 percent slopes	Approved 6/05. Jasper silt loam, sandy substratum phase will correlate to Crescent loam with this update. The TUD is the OSD pedon from Tazewell County (82IL-179-049).
672B	Crescent loam, 2 to 5 percent slopes	Approved 6/05. Jasper silt loam, sandy substratum phase will correlate to Crescent loam with this update. The map unit pedon from Henry County (98IL-073-224).
688B	Braidwood loam, 1 to 7 percent slopes	Approved 2/04. Needed for a perfect join with Will County. The map unit pedon is from Will County (97IL-197-049).
688D	Braidwood loam, 7 to 20 percent slopes	Approved 2/04. Areas previously mapped 802D in strip mine areas for SS Report No. 112 were classified to the family level, but with this update these areas will now be classified to the series level. The correlation of these units is based on associated soils. The map unit pedon is from Will County (T97IL-197-016).
688G	Braidwood loam, 20 to 70 percent slopes	Approved 2/04. Areas previously mapped 802G in strip mine areas for SS Report No. 112 were classified to the family level, but with this update these areas will now be classified to the series level. The correlation of these units is based on associated soils. The TUD is the OSD pedon from Will County (97IL-197-048).
740A	Darroch silt loam, 0 to 2 percent slopes	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range is added to the map unit name. The TUD is the OSD pedon from Benton County, Indiana.
741B	Oakville fine sand, 1 to 6 percent slopes	Approved 2/04. Needed for a perfect join with Will County. The TUD is from Kankakee County (01IL-091-011).
741D	Oakville fine sand, 6 to 12 percent slopes	Approved 2/04. Needed for a perfect join with Will County. The map unit pedon is from Will County (T96IL-197-033).
802B	Orthents, loamy, undulating	Approved 2/04. Previously correlated Urban land-Orthents complex (392) for SS Report No. 112.
802D	Orthents, loamy, rolling	Approved 6/05. Previously correlated for SS Report No. 112.
817A	Channahon-Hesch fine sandy loams, 0 to 2 percent slopes	Approved 6/05. Needed for a perfect join with LaSalle County. Channahon is a taxadjunct to the series due to sandstone bedrock instead of limestone bedrock. The map unit pedon for Channahon is from LaSalle County (04IL-099-021). The map unit pedon for Hesch is from LaSalle County (04IL-099-027).
817B	Channahon-Hesch fine sandy loams, 2 to 6 percent slopes	Approved 6/05. Needed for a perfect join with LaSalle County. Channahon is a taxadjunct to the series due to sandstone bedrock instead of limestone bedrock. The map unit pedon for Channahon is from LaSalle County (04IL-099-020). The TUD for Hesch is from LaSalle County (04IL-099-022).
830	Landfills	Approved 6/05. Map unit added with this update.
863	Pits, clay	Approved 6/05. Previously correlated for SS Report No. 112.
865	Pits, gravel	Approved 2/04. Previously correlated for SS Report No. 112.
871D	Lenzburg silty clay loam, 7 to 20 percent slopes	Approved 10/05. Areas previously mapped 802D in strip mine areas for SS Report No. 112 were classified to the family level, but with this update these areas will now be classified to the series level. The correlation of these units is based on associated soils.
871G	Lenzburg silty clay loam, 20 to 60 percent slopes	Approved 6/05. Areas previously mapped 802G in strip mine areas for SS Report No. 112 were classified to the family level, but with this update these areas will now be classified to the series level. The correlation of these units is based on associated soils. The TUD is from Grundy County (05IL-063-028).
1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the slope letter is added to the map unit symbol, and the slope range and flooding frequency are added to the map unit name. The map unit pedon is from the Lake County SS Report No. 88.
3073A	Ross loam, 0 to 2 percent slopes, frequently flooded	Approved 6/05. Needed for a perfect join with LaSalle County. Also some areas of Ross were determined to be subject to frequent flooding rather than occasional. The TUD is from Livingston County (89IL-105-015).

Map symbol	Map unit name	Map unit text notes
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	Approved 2/04. Previously correlated for SS Report No. 112. With this correlation the flooding frequency prefix number and slope letter are added to the map unit symbol, and the slope range and flooding frequency are added to the map unit name. The TUD is from Livingston County (86IL-105-052).
3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded	Approved 6/05. Some areas of Lawson were determined to be subject to frequent flooding rather than occasional. The map unit pedon is from Grundy County (00IL-063-001).
3776A	Comfrey loam, 0 to 2 percent slopes, frequently flooded	Approved 6/05. Some areas of Comfrey were determined to be subject to frequent flooding rather than occasional. The TUD is from Winnebago County (95IL-201-001).
4107A	Sawmill mucky silt loam, ponded, 0 to 2 percent slopes, frequently flooded	Approved 10/05. Previously correlated Aquolls (811) for SS Report No. 112. An attempt was made to correlate this map unit to the series level. Some areas of Aquolls were determined to be subject to frequent flooding. The map unit pedon is from Grundy County (05IL-063-031).
4516A	Faxon mucky silt loam, ponded, 0 to 2 percent slopes	Approved 10/05. Previously correlated Aquolls (811) for SS Report No. 112. An attempt was made to correlate this map unit to the series level. Some areas of Aquolls were determined to be underlain by bedrock. The map unit pedon is from Grundy County (05IL-063-014).
4904A	Muskego and Peotone soils, ponded, 0 to 2 percent slopes	Approved 10/05. Previously correlated Aquolls (811) for SS Report No. 112. An attempt was made to correlate this map unit to the series level. Some areas of Aquolls were determined to be organic. The TUD for Muskego is from DuPage County (97IL-043-014).
8073A	Ross loam, 0 to 2 percent slopes, occasionally flooded	Approved 6/05. Previously correlated for SS Report No. 112. With this correlation the flooding frequency prefix number and slope letter are added to the map unit symbol, and the slope range and flooding frequency are added to the map unit name. The map unit pedon is from Ogle County (76IL-141-071).
8107A	Sawmill silty clay loam, 0 to 2 percent slopes, occasionally flooded	Approved 10/05. Some areas of Sawmill were determined to be subject to occasional flooding rather than frequent. The map unit pedon is the representative pedon from the 2002 Marshall County SS Report.
8404A	Titus silty clay loam, 0 to 2 percent slopes, occasionally flooded	Approved 6/05. Needed for a perfect join with LaSalle County. Also some units of Bryce (235) subject to flooding were correlated to Titus (8404A) with this update. The TUD is from LaSalle County (04IL-099-031).
8451A	Lawson silt loam, 0 to 2 percent slopes, occasionally flooded	Approved 6/05. Previously correlated for SS Report No. 112. With this correlation the flooding frequency prefix number and slope letter are added to the map unit symbol, and the slope range and flooding frequency are added to the map unit name. The TUD is from LaSalle County (02IL-099-006).
8776A	Comfrey loam, 0 to 2 percent slopes, occasionally flooded	Approved 6/05. Previously correlated for SS Report No. 112. With this correlation the flooding frequency prefix number and slope letter are added to the map unit symbol, and the slope range and flooding frequency are added to the map unit name. The map unit pedon is from Lee County (79IL-103-057).
M-W	Miscellaneous water	Approved 6/05. Areas identified as sewage lagoons were correlated to miscellaneous water with this update.
W	Water	Approved 2/04. Linked to the statewide DMU 155,171.

Classification of the Soils Grundy County, Illinois

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

Soil name	Family or higher taxonomic class
Ade	Coarse-loamy, mixed, superactive, mesic Lamellic Argiudolls
Andres	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Ashkum	Fine, mixed, superactive, mesic Typic Endoaquolls
Beecher	Fine, illitic, mesic Udollic Epiaqualfs
Blount	Fine, illitic, mesic Aeris Epiaqualfs
Braidwood	Coarse-loamy, mixed, subactive, calcareous, mesic Typic Udorthents
Brenton	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Bryce	Fine, mixed, superactive, mesic Vertic Endoaquolls
*Bryce	Fine, mixed, superactive, mesic Vertic Endoaquolls
*Calamine	Fine, mixed, superactive, mesic Typic Endoaquolls
Channahon	Loamy, mixed, superactive, mesic Lithic Argiudolls
*Channahon	Loamy, mixed, superactive, mesic Lithic Argiudolls
Chatsworth	Fine, illitic, mesic Oxyaquic Eutrudepts
Chenoa	Fine, illitic, mesic Aquic Argiudolls
Comfrey	Fine-loamy, mixed, superactive, mesic Cumulic Endoaquolls
Crescent	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
Darroch	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Drummer	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Elliott	Fine, illitic, mesic Aquic Argiudolls
Elpaso	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Faxon	Fine-loamy, mixed, superactive, mesic Typic Endoaquolls
Gilford	Coarse-loamy, mixed, superactive, mesic Typic Endoaquolls
Granby	Sandy, mixed, mesic Typic Endoaquolls
Graymont	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
*Graymont	Fine-silty, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs
Hesch	Coarse-loamy, mixed, active, mesic Typic Argiudolls
*High Gap	Fine-loamy, mixed, active, mesic Mollic Hapludalfs
Hononegah	Sandy, mixed, mesic Entic Hapludolls
Kane	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Aquic Argiudolls
Kankakee	Loamy-skeletal, mixed, superactive, mesic Typic Hapludolls
Lawson	Fine-silty, mixed, superactive, mesic Aquic Cumulic Hapludolls
Lenzburg	Fine-loamy, mixed, active, calcareous, mesic Haplic Udarents
Lorenzo	Fine-loamy over sandy or sandy-skeletal, mixed, active, mesic Typic Argiudolls
Martinsville	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Martinton	Fine, illitic, mesic Aquic Argiudolls
Milford	Fine, mixed, superactive, mesic Typic Endoaquolls
Muskego	Coprogenous, euic, mesic Limnic Haplosaprists
Nappanee	Fine, illitic, mesic Aeris Epiaqualfs
Oakville	Mixed, mesic Typic Udipsamments
Orthents, loamy	Fine-loamy, mixed, active, nonacid, mesic Oxyaquic Udorthents
Ozaukee	Fine, illitic, mesic Oxyaquic Hapludalfs
Papineau	Fine-loamy over clayey, mixed, active, mesic Aquic Argiudolls
Peotone	Fine, smectitic, mesic Cumulic Vertic Endoaquolls
Proctor	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Reddick	Fine-loamy, mixed, superactive, mesic Typic Endoaquolls
Ridgeville	Coarse-loamy, mixed, superactive, mesic Aquic Argiudolls
Roby	Coarse-loamy, mixed, superactive, mesic Aquic Hapludalfs
Rockton	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
Rodman	Sandy-skeletal, mixed, mesic Typic Hapludolls
Ross	Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls
Sawmill	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
Selma	Fine-loamy, mixed, superactive, mesic Typic Endoaquolls
*Shadeland	Fine-loamy, mixed, active, mesic Udollic Endoaqualfs
Sparta	Sandy, mixed, mesic Entic Hapludolls

Grundy County, Illinois Classification of the Soils (continued)

Soil name	Family or higher taxonomic class
Starks	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Swygert	Fine, mixed, active, mesic Aquic Argiudolls
*Swygert	Fine, mixed, active, mesic Aquollic Hapludalfs
Symerton	Fine-loamy, mixed, superactive, mesic Oxyaquic Argiudolls
*Symerton	Fine-loamy, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs
Titus	Fine, smectitic, mesic Vertic Endoaquolls
Varna	Fine, illitic, mesic Oxyaquic Argiudolls
*Varna	Fine, illitic, mesic Mollic Oxyaquic Hapludalfs
*Varna	Fine, illitic, mesic Oxyaquic Hapludalfs
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
Watseka	Sandy, mixed, mesic Aquic Hapludolls
Will	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Endoaquolls

