CLASSIFICATION AND CORRELATION

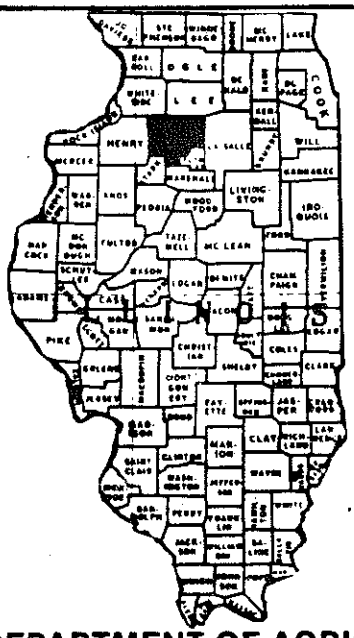
OF

THE SOILS OF

BUREAU COUNTY

ILLINOIS

APRIL 1987



LOCATION

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
MIDWEST NATIONAL TECHNICAL CENTER
LINCOLN, NEBRASKA

STEVEN E. ZWICKER
Soil Scientist

UNITED STATES DEPARTMENT OF AGRICULTURE
Soil Conservation Service
Midwest National Technical Center
Lincoln, Nebraska 68508-3866

Classification and Correlation
of the Soils of
Bureau County, Illinois

The final correlation conference for Bureau County, Illinois, soil survey was held at the MNTC, Lincoln, Nebraska, during the week of January 5, 1987. Steve Zwicker, survey leader, SCS; and Steve R. Base, soil correlator, SCS participated in this conference. The draft of the manuscript, soil correlation samples, SS-6 file, field correlation, laboratory data, field notes, and soil maps were available at the conference. Mr. Base also participated in the comprehensive field review the week of September 30, 1985.

Headnote for Detailed Soil Survey Legend:
Map symbols consist of numbers or combination of numbers and letters. The initial numbers represent the kinds of soil. A capital letter following these numbers indicates the class of slope. Symbols without a slope letter are for nearly level soils or miscellaneous areas. A final number of 2 following the slope letter indicates the soil is moderately eroded and 3 that it is very eroded.

SOIL CORRELATION OF
BUREAU COUNTY, ILLINOIS

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded	8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded
8F, 8F2, 7F, 7F2	Hickory clay loam, 18 to 35 percent slopes	8F	Hickory silt loam, 18 to 35 percent slopes
19D2	Sylvan silt loam, 10 to 18 percent slopes, eroded	19D	Sylvan silt loam, 10 to 18 percent slopes
19D3, 271D3, 271D2, 280D3	Sylvan silty clay loam, 10 to 18 percent slopes, severely eroded	19D3	Sylvan silty clay loam, 10 to 18 percent slopes, severely eroded
19G, 19E, 19E2, 19E3, 19F2, 280E	Sylvan silt loam, 30 to 60 percent slopes	19G	Sylvan silt loam, 30 to 60 percent slopes
24B, 24B2, 27B	Dodge silt loam, 2 to 5 percent slopes	24B	Dodge silt loam, 2 to 5 percent slopes
24C2, 24C3	Dodge silt loam, 5 to 10 percent slopes, eroded	24C2	Dodge silt loam, 5 to 10 percent slopes, eroded
24D2	Dodge silt loam, 10 to 15 percent slopes, eroded	24D2	Dodge silt loam, 10 to 15 percent slopes, eroded
25G, 25G2, 25F	Hennepin loam, 30 to 60 percent slopes	25G	Hennepin loam, 30 to 60 percent slopes
27C2, 27B2, 25C2, 27C, 27C3, 224C2	Miami silt loam, 5 to 10 percent slopes, eroded	27C2	Miami silt loam, 5 to 10 percent slopes, eroded
27D2, 27D, 27D3, 224D2	Miami silt loam, 10 to 18 percent slopes, eroded	27D2	Miami silt loam, 10 to 18 percent slopes, eroded

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
27F, 24E, 24E2, 27E, 27E2, 27F2, 27G, 224E, 224E2, 224F, 224F2, 241E	Miami silt loam, 18 to 35 percent slopes	27F	Miami silt loam, 18 to 35 percent slopes
36A, 567A	Tama silt loam, 0 to 2 percent slopes	36A	Tama silt loam, 0 to 2 percent slopes
36B	Tama silt loam, 2 to 5 percent slopes	36B	Tama silt loam, 2 to 5 percent slopes
36B2, 259B	Tama silt loam, 2 to 5 percent slopes, eroded	36B2	Tama silt loam, 2 to 5 percent slopes, eroded
36C2	Tama silt loam, 5 to 10 percent slopes, eroded	36C2	Tama silt loam, 5 to 10 percent slopes, eroded
36C3	Tama silty clay loam, 5 to 10 percent slopes, severely eroded	36C3	Tama silty clay loam, 5 to 10 percent slopes, severely eroded
41, 41A, 275	Muscatine silt loam	41	Muscatine silt loam
59, 490A, 481	Lisbon silt loam	59	Lisbon silt loam
60C2, 64C2	La Rose silt loam, 5 to 10 percent slopes, eroded	60C2	La Rose silt loam, 5 to 10 percent slopes, eroded
60C3, 25C3, 224C3	La Rose clay loam, 5 to 10 percent slopes, severely eroded	60C3	La Rose clay loam, 5 to 10 percent slopes, severely eroded
60D2, 221D2, 64D2, 145D2, 171D2	La Rose silt loam, 10 to 15 percent slopes, eroded	60D2	La Rose silt loam, 10 to 15 percent slopes, eroded

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
60D3, 25D3, 224D3	La Rose clay loam, 10 to 15 percent slopes, severely eroded	60D3	La Rose clay loam, 10 to 15 percent slopes, severely eroded
61, 61A	Atterberry silt loam	61	Atterberry silt loam
67, V67	Harpster silty clay loam	67	Harpster silty clay loam
68, 69	Sable silty clay loam	68	Sable silty clay loam
68+, 152+, 330	Sable silt loam, overwash	68+	Sable silt loam, overwash
73, 77, 773	Ross silt loam	73	Ross silt loam
74, 415	Radford silt loam	74	Radford silt loam
76, 107+, 107	Otter silt loam	76	Otter silt loam
87A, 286, 783A	Dickinson sandy loam, 0 to 3 percent slopes	87A	Dickinson sandy loam, 0 to 2 percent slopes
87B2, 87B, 150B, 150B2, 332B, 332C2, 742B, 742B2	Dickinson sandy loam, 3 to 7 percent slopes, eroded	87B2	Dickinson sandy loam, 2 to 7 percent slopes, eroded
87D2, 87C, 87C2, 87D, 87E, 150C2, 150D2, 150E, 742C2, 742D2	Dickinson sandy loam, 7 to 15 percent slopes, eroded	87D2	Dickinson sandy loam, 7 to 15 percent slopes, eroded
88B2, 88B, 643B, 354B2	Sparta loamy sand, 1 to 7 percent slopes, eroded	88B2	Sparta sand, 1 to 7 percent slopes, eroded
88D2, 88C, 88C2, 88D, 88E, 88F, 88F2, 98C, 98D, 643C2	Sparta loamy sand, 7 to 20 percent slopes, eroded	88D2	Sparta sand, 7 to 20 percent slopes, eroded

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
93B, 919B, 939B	Rodman gravelly sandy loam, 2 to 5 percent slopes	93B	Rodman gravelly sandy loam, 2 to 5 percent slopes
93D2, 93C, 93C2, 939D2, 93D, 323C2, 290D2, 325D2	Rodman gravelly sandy loam, 7 to 15 percent slopes, eroded	93D	Rodman gravelly sandy loam, 7 to 15 percent slopes
102	La Hogue silt loam	102	La Hogue loam
103	Houghton muck	103	Houghton muck
104, 242, 242A, 132, 132A	Virgil silt loam	104	Virgil silt loam
105A	Batavia silt loam, 0 to 2 percent slopes	105A	Batavia silt loam, 0 to 2 percent slopes
105B	Batavia silt loam, 2 to 5 percent slopes	105B	Batavia silt loam, 2 to 5 percent slopes
105C2	Batavia silt loam 5 to 10 percent slopes, eroded	105C2	Batavia silt loam, 5 to 10 percent slopes, eroded
125, 6125, 201	Selma loam	125	Selma loam
134A	Camden silt loam, 0 to 2 percent slopes	134A	Camden silt loam, 0 to 2 percent slopes
134B	Camden silt loam, 2 to 5 percent slopes	134B	Camden silt loam, 2 to 5 percent slopes
134C2, 134C3, 565C2, 212C2, 378C2, 570C2	Camden silt loam, 5 to 10 percent slopes, eroded	134C2	Camden silt loam, 5 to 10 percent slopes, eroded
145B, 55B, V148B	Saybrook silt loam, 2 to 5 percent slopes	145B	Saybrook silt loam, 2 to 5 percent slopes
145B2, 55B2	Saybrook silt loam, 2 to 5 percent slopes, eroded	145B2	Saybrook silt loam, 2 to 5 percent slopes, eroded

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
145C2, 145C3, 55C2	Saybrook silt loam, 5 to 10 percent slopes, eroded	145C2	Saybrook silt loam, 5 to 10 percent slopes, eroded
149, 149A	Brenton silt loam	149	Brenton silt loam
152, V152, 350	Drummer silty clay loam	152	Drummer silty clay loam
153	Pella silty clay loam	153	Pella silty clay loam
154, 154A	Flanagan silt loam	154	Flanagan silt loam
171B2, 171B	Catlin silt loam, 2 to 5 percent slopes, eroded	171B2	Catlin silt loam, 2 to 5 percent slopes, eroded
171C2, 171C3	Catlin silt loam, 5 to 10 percent slopes, eroded	171C2	Catlin silt loam, 5 to 10 percent slopes, eroded
172, 49, 172A	Hoopeston loam	172	Hoopeston loam
175B, 175A, 131A, 131B, 131B2, 175B2	Lamont fine sandy loam, 2 to 5 percent slopes	175B	Lamont fine sandy loam, 2 to 5 percent slopes
175C2, 131C, 131C2, 175C	Lamont fine sandy loam, 5 to 10 percent slopes, eroded	175C2	Lamont fine sandy loam, 5 to 10 percent slopes, eroded
175D, 175D2, 175D3, 565D	Lamont fine sandy loam, 10 to 15 percent slopes	175D	Lamont fine sandy loam, 10 to 15 percent slopes
198, 198A, 357	Elburn silt loam	198	Elburn silt loam
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

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
199B2	Plano silt loam, 2 to 5 percent slopes, eroded	199B2	Plano silt loam, 2 to 5 percent slopes, eroded
199C2, 199C3	Plano silt loam, 5 to 10 percent slopes, eroded	199C2	Plano silt loam, 5 to 10 percent slopes, eroded
200	Orio loam	200	Orio loam
204C2	Ayr loamy fine sand, 5 to 10 percent slopes, eroded	204C2	Ayr loamy fine sand, 5 to 10 percent slopes, eroded
206, 136	Thorp silt loam	206	Thorp silt loam
210+, 210	Lena silt loam, overwash	210+	Lena silt loam, overwash
221B2, 656B, 656B2, 60B, 60B2, 221B, 64B, 64B2, 204B2	Parr silt loam, 2 to 5 percent slopes, eroded	221B2	Parr silt loam, 2 to 5 percent slopes, eroded
221C2, 656C2	Parr silt loam, 5 to 10 percent slopes, eroded	221C2	Parr silt loam, 5 to 10 percent slopes, eroded
223C2, 194C2	Varna silt loam, 5 to 10 percent slopes, eroded	223C2	Varna silt loam, 5 to 10 percent slopes, eroded
223D3, 194D3	Varna silty clay loam, 10 to 15 percent slopes, severely eroded	223D3	Varna silty clay loam, 10 to 15 percent slopes, severely eroded
233B, 233B2, 385B	Birkbeck silt loam, 2 to 5 percent slopes	233B	Birkbeck silt loam, 2 to 5 percent slopes
233C2, 385C2	Birkbeck silt loam, 5 to 10 percent slopes, eroded	233C2	Birkbeck silt loam, 5 to 10 percent slopes, eroded

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
233D2, 233D3, 233D	Birkbeck silt loam, 10 to 15 percent slopes, eroded	233D2	Birkbeck silt loam, 10 to 15 percent slopes, eroded
241G, 194E, 194G	Chatsworth silt loam, 30 to 50 percent slopes	241G	Chatsworth silt loam, 30 to 50 percent slopes
243A	St. Charles silt loam, 0 to 2 percent slopes	243A	St. Charles silt loam, 0 to 2 percent slopes
243B, 243B2	St. Charles silt loam, 2 to 5 percent slopes	243B	St. Charles silt loam, 2 to 5 percent slopes
243C2	St. Charles silt loam, 5 to 10 percent slopes, eroded	243C2	St. Charles silt loam, 5 to 10 percent slopes, eroded
244	Hartsburg silty clay loam	244	Hartsburg silty clay loam
259D3, 957D3, 259D2, 119D2, 119D3, 957C3, 957D2, 7D3	Assumption silty clay loam, 10 to 15 percent slopes, severely eroded	259D3	Assumption silty clay loam, 10 to 15 percent slopes, severely eroded
272, 45, 16	Edgington silt loam	272	Edgington silt loam
277B, 274B	Port Byron silt loam, 2 to 5 percent slopes	277B	Port Byron silt loam, 2 to 5 percent slopes
277B2	Port Byron silt loam, 2 to 5 percent slopes, eroded	277B2	Port Byron silt loam, 2 to 5 percent slopes, eroded
277C2, 277C3, 274C2, 277D2, 274D2	Port Byron silt loam, 5 to 10 percent slopes, eroded	277C2	Port Byron silt loam, 5 to 10 percent slopes, eroded
278, 278A	Stronghurst silt loam	278	Stronghurst silt loam

BUREAU COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
279A	Rozetta silt loam, 0 to 2 percent slopes	279A	Rozetta silt loam, 0 to 2 percent slopes
279B, 279B2	Rozetta silt loam, 2 to 5 percent slopes	279B	Rozetta silt loam, 2 to 5 percent slopes
280B, 280B2	Fayette silt loam, 2 to 5 percent slopes	280B	Fayette silt loam, 2 to 5 percent slopes
280C2, 280C, 279C2, 19C2, 217C2, 271C2	Fayette silt loam, 5 to 10 percent slopes, eroded	280C2	Fayette silt loam, 5 to 10 percent slopes, eroded
280C3, 279C3, 19C3	Fayette silty clay loam, 5 to 10 percent slopes, severely eroded	280C3	Fayette silty clay loam, 5 to 10 percent slopes, severely eroded
280D2, 280D	Fayette silt loam, 10 to 15 percent slopes, eroded	280D2	Fayette silt loam, 10 to 15 percent slopes, eroded
282D3, 54C3, 54D3, 741D3	Chute fine sand, 7 to 20 percent slopes, severely eroded	282D3	Chute fine sand, 7 to 20 percent slopes, severely eroded
290A, 398A	Warsaw silt loam, 0 to 2 percent slopes	290A	Warsaw loam, 0 to 2 percent slopes
290B, 398B	Warsaw loam, 2 to 5 percent slopes	290B	Warsaw loam, 2 to 5 percent slopes
290B2, 398B2	Warsaw silt loam, 2 to 5 percent slopes, eroded	290B2	Warsaw silt loam, 2 to 5 percent slopes, eroded
290C2, 327C2, 327C3, 369C2, 398C2	Warsaw silt loam, 5 to 10 percent slopes, eroded	290C2	Warsaw silt loam, 5 to 10 percent slopes, eroded
292, 6292	Wallkill silty clay loam	292	Wallkill silty clay loam
312, 638, 903, 100	Edwards muck	312	Edwards muck

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
343, 329	Kane loam	343	Kane loam
347, V490	Canisteo silt loam	347	Canisteo silt loam
354C2	Hononegah sandy loam, 5 to 10 percent slopes, eroded	354C2	Hononegah sandy loam, 5 to 10 percent slopes, eroded
369A	Waupecan silt loam, 0 to 2 percent slopes	369A	Waupecan silt loam, 0 to 2 percent slopes
369B	Waupecan silt loam, 2 to 5 percent slopes	369B	Waupecan silt loam, 2 to 5 percent slopes
369B2	Waupecan silt loam, 2 to 5 percent slopes, eroded	369B2	Waupecan silt loam, 2 to 5 percent slopes, eroded
386A	Downs silt loam, 0 to 2 percent slopes	386A	Downs silt loam, 0 to 2 percent slopes
386B, 386B2	Downs silt loam, 2 to 5 percent slopes	386B	Downs silt loam, 2 to 5 percent slopes
386C2	Downs silt loam, 5 to 10 percent slopes, eroded	386C2	Downs silt loam, 5 to 10 percent slopes, eroded
440A, 727A	Jasper silt loam, 0 to 2 percent slopes	440A	Jasper silt loam, 0 to 2 percent slopes
440B, 440B2	Jasper silt loam, 2 to 5 percent slopes	440B	Jasper silt loam, 2 to 5 percent slopes
447	Canisteo loam, sandy substratum	447	Canisteo loam, sandy substratum
451, V451, 424	Lawson silt loam	451	Lawson silt loam
479, 319, 419, M125, C6100, 3100, 36100, 76100, 6100, 777	Aurelius muck, sandy substratum	479	Aurelius muck, sandy substratum
536	Mine dumps	536	Dumps, mine

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
546B2, 29B, 418B, 429B	Keltner silt loam, 2 to 5 percent slopes, eroded	548B2	Marseilles silt loam, 2 to 5 percent slopes, eroded
546C2, 29C, 418C2, 509C2	Keltner silt loam, 5 to 10 percent slopes, eroded	548C2	Marseilles silt loam, 5 to 10 percent slopes, eroded
549G, 549G2, 551G, 504F	Marseilles silt loam, 30 to 60 percent slopes	549G	Marseilles silt loam, 30 to 60 percent slopes
562, 684A, 562A	Port Byron silt loam, sandy substratum	562	Port Byron silt loam, sandy substratum
564A, 379A, 159A, 148A	Waukegan silt loam, 0 to 2 percent slopes	564A	Waukegan silt loam, 0 to 2 percent slopes
564B2, 159B, 379B, 379B2, 564B, 439B, 562B, 562B2, 684B, 684B2, 159B2, 148B, 148B2	Waukegan silt loam, 2 to 5 percent slopes, eroded	564B2	Waukegan silt loam, 2 to 5 percent slopes, eroded
564C2, 379C2, 439C2, 159C2, 727C2, 148C2, 440C2, 344C2	Waukegan silt loam, 5 to 10 percent slopes, eroded	564C2	Waukegan silt loam, 5 to 10 percent slopes, eroded
565A, 212A, 378A	Tell silt loam, 0 to 2 percent slopes	565A	Tell silt loam, 0 to 2 percent slopes
565B, 212B, 378B, 378B2	Tell silt loam, 2 to 5 percent slopes	565B	Tell silt loam, 2 to 5 percent slopes
567C2, 259C2	Elkhart silt loam, 5 to 10 percent slopes, eroded	567C2	Elkhart silt loam, 5 to 10 percent slopes, eroded
567C3, 259C3	Elkhart silty clay loam, 5 to 10 percent slopes, severely eroded	567C3	Elkhart silty clay loam, 5 to 10 percent slopes, severely eroded

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
567D3, 36D2, 36D3, 36E2, 567D2, 36E	Elkhart silt loam, 10 to 15 percent slopes, severely eroded	567D3	Elkhart silty clay loam, 10 to 15 percent slopes, severely eroded
570B, 327B, 325B, 327B2, 327A, 570A, 325A	Martinsville silt loam, 2 to 5 percent slopes	570B	Martinsville silt loam, 1 to 5 percent slopes
575, 683	Joy silt loam, sandy substratum	575	Joy silt loam, sandy substratum
6683, 647A, V575, 6575, 6275	Lawndale Variant, silt loam	647	Lawler silt loam
741B, 53B, 54B, 54B2, 741B2, 779B, 779B2	Oakville fine sand, 1 to 7 percent slopes	741B	Oakville fine sand, 1 to 7 percent slopes
741D, 53D, 54D, 54D2, 741D2, 779C2, 779D, 779D2, 54F, 54F3, 741E, 741F, 741F3	Oakville fine sand, 7 to 20 percent slopes	741D	Oakville fine sand, 7 to 20 percent slopes
767	Prophetstown silt loam	767	Prophetstown silt loam
6104, 219A, 188, 219, 6219	Virgil Variant silt loam	770	Udolpho silt loam
802B, 802, 801	Orthents, loamy, undulating	802B	Orthents, loamy, undulating
808E, 806	Orthents, sandy-skeletal, hilly	808E	Orthents, gravelly sand, hilly

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
820E, 969D2, 920D2, 25E, 290E, 243D2, 93E, 969E2, 920E, 134D2, 134D3, 134E, 570E, 820D2, 323D2, 919D2	Hennepin-Casco complex, 15 to 30 percent slopes	820E	Hennepin-Casco complex, 12 to 25 percent slopes
820G, 93F, 93F2, 323F, 919F, 939F, 920G	Hennepin-Casco complex, 30 to 60 percent slopes	820G	Hennepin-Casco complex, 25 to 60 percent slopes
865, 862	Pits, gravel	865	Pits, gravel
871C	Lenzburg stony silty clay loam, 4 to 12 percent slopes	871C	Lenzburg silty clay loam, 4 to 12 percent slopes, stony
871G	Lenzburg stony silty clay loam, 30 to 60 percent slopes	871G	Lenzburg silty clay loam, 30 to 60 percent slopes, stony
1480, W82, 4776, 4076, 400, 48179, 1400	Calco silty clay loam, wet	1480	Moundprairie silty clay loam, wet
3179, Gr239, G6239, 123	Minneiska loam, frequently flooded	3179	Minneiska loam, frequently flooded
3480, 480	Moundprairie silty clay loam	3480	Moundprairie silty clay loam, frequently flooded
4125, 4152, 4153, 4200	Selma loam, ponded	4125	Selma loam, ponded
4210, 4312, 4100, 4103	Lena muck, ponded	4210	Lena muck, ponded

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
7304	Landes fine sandy loam, rarely flooded	7304	Landes fine sandy loam, rarely flooded
7125, 302, 3125	Selma silt loam, rarely flooded	8125	Selma loam, occasionally flooded
7153, 3153, 70	Pella silty clay loam, rarely flooded	8153	Pella silty clay loam, occasionally flooded
8179, 6239, 239, 7179	Minneiska loam, occasionally flooded	8179	Minneiska loam, occasionally flooded
7201, 513, 3201	Gilford loam, rarely flooded	8201	Gilford loam, occasionally flooded
7292	Wallkill silt loam, rarely flooded	8292	Wallkill silt loam, occasionally flooded
8304, V321, 304	Landes silt loam, occasionally flooded	8304	Landes silt loam, occasionally flooded
7447, 3447	Canisteo loam, sandy substratum, rarely flooded	8447	Canisteo loam, sandy substratum, occasionally flooded

Series Established by this Correlation:

Prophetstown (type location in Whiteside County, Illinois)

Series Dropped or Made Inactive:

None

Certification Statement:
The state soil scientist certifies that:

1. The field mapping is complete.

2. The general soil map for general planning has been joined to the general soil maps of the published counties of Henry, La Salle, and Lee. Putnam and Whiteside Counties are in progress. A detailed account of the joins is included in the field correlation.

The detailed maps have also been joined for the same counties listed above and the detailed account of the joins is also included in the field correlation.

Marshall and Stark Counties do not have modern soil surveys. A project soil survey was initiated in Stark County in July of 1986.

3. Interpretations have been coordinated except as explained in the join statement; the manuscript and the soil interpretations records are in agreement.

4. The location of pedon descriptions are in soil areas using those names and legal descriptions. The locations have been checked by the survey leader.

Verification of Exact Cooperator Names:
For the front cover:

United States Department of Agriculture
Soil 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: "It is part of the technical assistance provided to the Bureau County Soil and Water Conservation District. The cost was shared by the Bureau County Board and the Illinois Department of Agriculture. This soil survey is Illinois Agricultural Experiment Station Soil Report No. 139."

Disposition of Field Sheets:
The soil maps have been compiled at a scale of 1:15,840. The survey leader is making changes on the compiled maps to reflect decisions made during correlation. He will deliver all the mylars, field sheets, and names overlays to the map finishing unit at the state office by February 1, 1987.

Prior Soil Survey Publication:
The first soil survey of Bureau County was published in 1921. Mosier, J.G., S.V. Holt, E. Van Alstine, and F.W. Garrett. Bureau County Soils, December 1921. Soil Report No. 20. University of Illinois, Urbana. 72 p. This survey updates the first survey and provides additional information and larger maps that show soils in greater detail.

Instructions for Map Finishing:
Map finishing will be done in the map finishing unit at the Illinois State Office using the soil identification legend and symbols legend approved at the final correlation conference. Symbols for map finishing should not be ordered until after the final correlation. The conversion legend in the final correlation report should be used for the conversion of all symbols that appear on compiled maps.

SCS-SOILS-37A
3-75

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

Soil Survey Area: BUREAU COUNTY
State: ILLINOIS

Date: Jan. 1987

DESCRIPTION	SYMBOL
CULTURAL FEATURES	
BOUNDARIES	
County or parish	
Field sheet matchline & neatline	
AD HOC BOUNDARY (label)	
Small airport, airfield, park, oilfield, cemetery, or flood pool	
LAND DIVISION CORNERS (sections and land grants)	
ROAD EMBLEMS & DESIGNATIONS	
Interstate	I-80
Federal	US-34
State	IL-88
RAILROAD	Label only with R.R. or Railroad on field sheets
LEVEES	
Without road	
DAMS	
Large (to scale)	
Medium or small	
PITS	
Gravel pit	
Mine or quarry	

DESCRIPTION	SYMBOL
CULTURAL FEATURES (cont.)	
MISCELLANEOUS CULTURAL FEATURES	
Church	
School	
WATER FEATURES	
DRAINAGE	
Perennial, double line	
Perennial, single line	
Intermittent	
Drainage end	
Canals or ditches	
Double - line (label)	CANAL
Drainage and/or irrigation	
LAKES, PONDS AND RESERVOIRS	
Perennial	water, w
Intermittent	intermittent, int
MISCELLANEOUS WATER FEATURES	
Marsh or swamp	
Wet spot	

DESCRIPTION	SYMBOL
SPECIAL SYMBOLS FOR SOIL SURVEY	
SOIL DELINEATIONS AND SOIL SYMBOLS	
ESCARPMENTS	68 41
Bedrock (points down slope)	
Other than bedrock (points down slope)	
SHORT STEEP SLOPE	
SOIL SAMPLE SITE (normally not shown)	S
For typical pedon only	
MISCELLANEOUS	
Blowout	
Gravelly spot	
Dumps and other similar non soil areas	
Rock outcrop (includes sandstone and shale)	
Sandy spot	
Severely eroded spot	
RECOMMENDED AD HOC SOIL SYMBOLS	
Muck spot	
Calcareous spot	
Gray spot	

PRIME FARMLAND

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

Map symbol	Soil name
24B	Dodge silt loam, 2 to 5 percent slopes
36A	Tama silt loam, 0 to 2 percent slopes
36B	Tama silt loam, 2 to 5 percent slopes
36B2	Tama silt loam, 2 to 5 percent slopes, eroded
41	Muscatine silt loam
59	Lisbon silt loam
61	Atterberry silt loam (where drained)
67	Harpster silty clay loam (where drained)
68	Sable silty clay loam (where drained)
68+	Sable silt loam, overwash (where drained)
73	Ross silt loam
74	Radford silt loam
76	Otter silt loam (where drained)
87A	Dickinson sandy loam, 0 to 2 percent slopes
87B2	Dickinson sandy loam, 2 to 7 percent slopes, eroded
102	La Hogue loam
104	Virgil silt loam (where drained)
105A	Batavia silt loam, 0 to 2 percent slopes
105B	Batavia silt loam, 2 to 5 percent slopes
125	Selma loam (where drained)
134A	Camden silt loam, 0 to 2 percent slopes
134B	Camden silt loam, 2 to 5 percent slopes
145B	Saybrook silt loam, 2 to 5 percent slopes
145B2	Saybrook silt loam, 2 to 5 percent slopes, eroded
149	Brenton silt loam
152	Drummer silty clay loam (where drained)
153	Pella silty clay loam (where drained)
154	Flanagan silt loam
171B2	Catlin silt loam, 2 to 5 percent slopes, eroded
172	Hoopeston loam
175B	Lamont fine sandy loam, 2 to 5 percent slopes
198	Elburn silt loam
199A	Plano silt loam, 0 to 2 percent slopes
199B	Plano silt loam, 2 to 5 percent slopes
199B2	Plano silt loam, 2 to 5 percent slopes, eroded
200	Orio loam (where drained)

PRIME FARMLAND--Continued

Map symbol	Soil name
206	Thorp silt loam (where drained)
221B2	Parr silt loam, 2 to 5 percent slopes, eroded
233B	Birkbeck silt loam, 2 to 5 percent slopes
243A	St. Charles silt loam, 0 to 2 percent slopes
243B	St. Charles silt loam, 2 to 5 percent slopes
244	Hartsburg silty clay loam (where drained)
272	Edgington silt loam (where drained)
277B	Port Byron silt loam, 2 to 5 percent slopes
277B2	Port Byron silt loam, 2 to 5 percent slopes, eroded
278	Stronghurst silt loam (where drained)
279A	Rozetta silt loam, 0 to 2 percent slopes
279B	Rozetta silt loam, 2 to 5 percent slopes
280B	Fayette silt loam, 2 to 5 percent slopes
290A	Warsaw loam, 0 to 2 percent slopes
290B	Warsaw loam, 2 to 5 percent slopes
290B2	Warsaw silt loam, 2 to 5 percent slopes, eroded
292	Wallkill silty clay loam (where drained)
343	Kane loam
347	Canisteo silt loam (where drained)
369A	Waupecan silt loam, 0 to 2 percent slopes
369B	Waupecan silt loam, 2 to 5 percent slopes
369B2	Waupecan silt loam, 2 to 5 percent slopes, eroded
386A	Downs silt loam, 0 to 2 percent slopes
386B	Downs silt loam, 2 to 5 percent slopes
440A	Jasper silt loam, 0 to 2 percent slopes
440B	Jasper silt loam, 2 to 5 percent slopes
447	Canisteo loam, sandy substratum (where drained)
451	Lawson silt loam
548B2	Marseilles silt loam, 2 to 5 percent slopes, eroded
562	Port Byron silt loam, sandy substratum
564A	Waukegan silt loam, 0 to 2 percent slopes
564B2	Waukegan silt loam, 2 to 5 percent slopes, eroded
565A	Tell silt loam, 0 to 2 percent slopes
565B	Tell silt loam, 2 to 5 percent slopes
570B	Martinsville silt loam, 1 to 5 percent slopes
575	Joy silt loam, sandy substratum
647	Lawler silt loam
767	Prophetstown silt loam (where drained)
770	Udolpho silt loam (where drained)
3480	Moundprairie silty clay loam, frequently flooded (where drained and either protected from flooding or not frequently flooded during the growing season)
7304	Landes fine sandy loam, rarely flooded

PRIME FARMLAND--Continued

Map symbol	Soil name
8125	Selma loam, occasionally flooded (where drained)
8153	Pella silty clay loam, occasionally flooded (where drained)
8179	Minneiska loam, occasionally flooded
8201	Gilford loam, occasionally flooded (where drained)
8292	Wallkill silt loam, occasionally flooded (where drained)
8304	Landes silt loam, occasionally flooded
8447	Canisteo loam, sandy substratum, occasionally flooded (where drained)

Approved: April 2, 1987

Rodney F. Harner

RODNEY F. HARNER
Head, Soils Staff
Midwest NTC

CONVERSION LEGEND FOR
BUREAU COUNTY, ILLINOIS

Field symbol	Publi-cation symbol	Field symbol	Publi-cation symbol	Field symbol	Publi-cation symbol	Field symbol	Publi-cation symbol
C6100	479	25G	25G	55B	145B	88F	88D2
G6239	3179	25G2	25G	55B2	145B2	88F2	88D2
Gr239	3179	27B	24B	55C2	145C2	93B	93B
M125	479	27B2	27C2	59	59	93C	93D
V67	67	27C	27C2	60B	221B2	93C2	93D
V148B	145B	27C2	27C2	60B2	221B2	93D	93D
V152	152	27C3	27C2	60C2	60C2	93D2	93D
V321	8304	27D	27D2	60C3	60C3	93E	820E
V451	451	27D2	27D2	60D2	60D2	93F	820G
V490	347	27D3	27D2	60D3	60D3	93F2	820G
V575	647	27E	27F	61	61	98C	88D2
W82	1480	27E2	27F	61A	61	98D	88D2
7D3	259D3	27F	27F	64B	221B2	100	312
7F	8F	27F2	27F	64B2	221B2	102	102
7F2	8F	27G	27F	64C2	60C2	103	103
8D3	8D3	29B	548B2	64D2	60D2	104	104
8F	8F	29C	548C2	67	67	105A	105A
8F2	8F	36A	36A	68	68	105B	105B
16	272	36B	36B	68+	68+	105C2	105C2
19C2	280C2	36B2	36B2	69	68	107	76
19C3	280C3	36C2	36C2	70	8153	107+	76
19D2	19D	36C3	36C3	73	73	119D2	259D3
19D3	19D3	36D2	567D3	74	74	119D3	259D3
19E	19G	36D3	567D3	76	76	123	3179
19E2	19G	36E	567D3	77	73	125	125
19E3	19G	36E2	567D3	87A	87A	131A	175B
19F2	19G	41	41	87B	87B2	131B	175B
19G	19G	41A	41	87B2	87B2	131B2	175B
24B	24B	45	272	87C	87D2	131C	175C2
24B2	24B	49	172	87C2	87D2	131C2	175C2
24C2	24C2	53B	741B	87D	87D2	132	104
24C3	24C2	53D	741D	87D2	87D2	132A	104
24D2	24D2	54B	741B	87E	87D2	134A	134A
24E	27F	54B2	741B	88B	88B2	134B	134B
24E2	27F	54C3	282D3	88B2	88B2	134C2	134C2
25C2	27C2	54D	741D	88C	88D2	134C3	134C2
25C3	60C3	54D2	741D	88C2	88D2	134D2	820E
25D3	60D3	54D3	282D3	88D	88D2	134D3	820E
25E	820E	54F	741D	88D2	88D2	134E	820E
25F	25G	54F3	741D	88E	88D2	134E2	820E

BUREAU COUNTY, ILLINOIS --Continued

Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol
134F	820E	175D2	175D	224F2	27F	279B2	279B
136	206	175D3	175D	233B	233B	279C2	280C2
145B	145B	188	770	233B2	233B	279C3	280C3
145B2	145B2	194C2	223C2	233C2	233C2	280B	280B
145C2	145C2	194D3	223D3	233D	233D2	280B2	280B
145C3	145C2	194E	241G	233D2	233D2	280C	280C2
145D2	60D2	194G	241G	233D3	233D2	280C2	280C2
148A	564A	198	198	239	8179	280C3	280C3
148B	564B2	198A	198	241E	27F	280D	280D2
148B2	564B2	199A	199A	241G	241G	280D2	280D2
148C2	564C2	199B	199B	242	104	280D3	19D3
149	149	199B2	199B2	242A	104	280E	19G
149A	149	199C2	199C2	243A	243A	282D3	282D3
150B	87B2	199C3	199C2	243B	243B	286	87A
150B2	87B2	200	200	243B2	243B	290A	290A
150C2	87D2	201	125	243C2	243C2	290B	290B
150D2	87D2	204B2	221B2	243D2	820E	290B2	290B2
150E	87D2	204C2	204C2	244	244	290C2	290C2
152	152	206	206	259B	36B2	290D2	93D
152+	68+	210	210+	259C2	567C2	290E	820E
153	153	210+	210+	259C3	567C3	292	292
154	154	212A	565A	259D2	259D3	302	8125
154A	154	212B	565B	259D3	259D3	304	8304
159A	564A	212C2	134C2	271C2	280C2	312	312
159B	564B2	217C2	280C2	271D2	19D3	319	479
159B2	564B2	219	770	271D3	19D3	323C2	93D
159C2	564C2	219A	770	272	272	323D2	820E
171B	171B2	221B	221B2	274B	277B	323F	820G
171B2	171B2	221B2	221B2	274C2	277C2	325A	570B
171C2	171C2	221C2	221C2	274D2	277C2	325B	570B
171C3	171C2	221D2	60D2	275	41	325D2	93D
171D2	60D2	223C2	223C2	277B	277B	327A	570B
172	172	223D3	223D3	277B2	277B2	327B	570B
172A	172	224C2	27C2	277C2	277C2	327B2	570B
175A	175B	224C3	60C3	277C3	277C2	327C2	290C2
175B	175B	224D2	27D2	277D2	277C2	327C3	290C2
175B2	175B	224D3	60D3	278	278	329	343
175C	175C2	224E	27F	278A	278	330	68+
175C2	175C2	224E2	27F	279A	279A	332B	87B2
175D	175D	224F	27F	279B	279B	332C2	87B2

BUREAU COUNTY, ILLINOIS --Continued

Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol
343	343	440C2	564C2	643C2	88D2	862	865
344C2	564C2	447	447	647A	647	865	865
347	347	451	451	656B	221B2	871C	871C
350	152	479	479	656B2	221B2	871G	871G
354B2	88B2	480	3480	656C2	221C2	903	312
354C2	354C2	481	59	683	575	919B	93B
369A	369A	490A	59	684A	562	919D2	820E
369B	369B	504F	549G	684B	564B2	919F	820G
369B2	369B2	509C2	548C2	684B2	564B2	920D2	820E
369C2	290C2	513	8201	727A	440A	920E	820E
378A	565A	536	536	727C2	564C2	920G	820G
378B	565B	546B2	548B2	741B	741B	939B	93B
378B2	565B	546C2	548C2	741B2	741B	939D2	93D
378C2	134C2	549G	549G	741D	741D	939F	820G
379A	564A	549G2	549G	741D2	741D	957C3	259D3
379B	564B2	551G	549G	741D3	282D3	957D2	259D3
379B2	564B2	562	562	741E	741D	957D3	259D3
379C2	564C2	562A	562	741F	741D	969D2	820E
385B	233B	562B	564B2	741F3	741D	969E2	820E
385C2	233C2	562B2	564B2	742B	87B2	1400	1480
386A	386A	564A	564A	742B2	87B2	1480	1480
386B	386B	564B	564B2	742C2	87D2	3100	479
386B2	386B	564B2	564B2	742D2	87D2	3125	8125
386C2	386C2	564C2	564C2	767	767	3153	8153
398A	290A	565A	565A	773	73	3179	3179
398B	290B	565B	565B	777	479	3201	8201
398B2	290B2	565C2	134C2	779B	741B	3447	8447
398C2	290C2	565D	175D	779B2	741B	3480	3480
400	1480	567A	36A	779C2	741D	4076	1480
415	74	567C2	567C2	779D	741D	4100	4210
418B	548B2	567C3	567C3	779D2	741D	4103	4210
418C2	548C2	567D2	567D3	783A	87A	4125	4125
419	479	567D3	567D3	801	802B	4152	4125
424	451	570A	570B	802	802B	4153	4125
429B	548B2	570B	570B	802B	802B	4200	4125
439B	564B2	570C2	134C2	806	808E	4210	4210
439C2	564C2	570E	820E	808E	808E	4312	4210
440A	440A	575	575	820D2	820E	4776	1480
440B	440B	638	312	820E	820E	6100	479
440B2	440B	643B	88B2	820G	820G	6104	770

BUREAU COUNTY, ILLINOIS --Continued

Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol
6125	125						
6219	770						
6239	8179						
6275	647						
6292	292						
6575	647						
6683	647						
7125	8125						
7153	8153						
7179	8179						
7201	8201						
7292	8292						
7304	7304						
7447	8447						
8179	8179						
8304	8304						
36100	479						
48179	1480						
76100	479						

LEGEND OF MAP UNITS ACCORDING TO ALPHABETICAL SEQUENCE FOR BUREAU COUNTY, ILLINOIS

Publication Symbol	Approved Map Unit Name
259D3	ASSUMPTION SILTY CLAY LOAM, 10 TO 15 PERCENT SLOPES, SEVERELY ERODED
61	ATTERBERRY SILT LOAM
479	AURELIUS MUCK, SANDY SUBSTRATUM
204C2	AYR LOAMY FINE SAND, 5 TO 10 PERCENT SLOPES, ERODED
105A	BATAVIA SILT LOAM, 0 TO 2 PERCENT SLOPES
105B	BATAVIA SILT LOAM, 2 TO 5 PERCENT SLOPES
105C2	BATAVIA SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
233D2	BIRKBECK SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED
233B	BIRKBECK SILT LOAM, 2 TO 5 PERCENT SLOPES
233C2	BIRKBECK SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
149	BRENTON SILT LOAM
134A	CAMDEN SILT LOAM, 0 TO 2 PERCENT SLOPES
134B	CAMDEN SILT LOAM, 2 TO 5 PERCENT SLOPES
134C2	CAMDEN SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
447	CANISTEO LOAM, SANDY SUBSTRATUM
8447	CANISTEO LOAM, SANDY SUBSTRATUM, OCCASIONALLY FLOODED
347	CANISTEO SILT LOAM
171B2	CATLIN SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
171C2	CATLIN SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
241G	CHATSWORTH SILT LOAM, 30 TO 50 PERCENT SLOPES
282D3	CHUTE FINE SAND, 7 TO 20 PERCENT SLOPES, SEVERELY ERODED
87A	DICKINSON SANDY LOAM, 0 TO 2 PERCENT SLOPES
87B2	DICKINSON SANDY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
87D2	DICKINSON SANDY LOAM, 7 TO 15 PERCENT SLOPES, ERODED
24D2	DODGE SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED

LEGEND OF MAP UNITS ACCORDING TO ALPHABETICAL SEQUENCE.
FOR BUREAU COUNTY, ILLINOIS

Publication Symbol	Approved Map Unit Name
24B	DODGE SILT LOAM, 2 TO 5 PERCENT SLOPES
24C2	DODGE SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
386A	DOWNS SILT LOAM, 0 TO 2 PERCENT SLOPES
386B	DOWNS SILT LOAM, 2 TO 5 PERCENT SLOPES
386C2	DOWNS SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
152	DRUMMER SILTY CLAY LOAM
536	DUMPS, MINE
272	EDGINGTON SILT LOAM
312	EDWARDS MUCK
198	ELBURN SILT LOAM
567C2	ELKHART SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
567D3	ELKHART SILTY CLAY LOAM, 10 TO 15 PERCENT SLOPES, SEVERELY ERODED
567C3	ELKHART SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERCD
280D2	FAYETTE SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED
280B	FAYETTE SILT LOAM, 2 TO 5 PERCENT SLOPES
280C2	FAYETTE SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
280C3	FAYETTE SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERCD
154	FLANAGAN SILT LOAM
8201	GILFORD LOAM, OCCASIONALLY FLOODED
67	HARPSTER SILTY CLAY LOAM
244	HARTSBURG SILTY CLAY LOAM
25G	HENNEPIN LOAM, 30 TO 60 PERCENT SLOPES
82 E	HENNEPIN-CASCO COMPLEX, 12 TO 25 PERCENT SLOPES
82 G	HENNEPIN-CASCO COMPLEX, 25 TO 60 PERCENT SLOPES
8D3	HICKORY CLAY LOAM, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED

LEGEND OF MAP UNITS ACCORDING TO ALPHABETICAL SEQUENCE FOR BUREAU COUNTY, ILLINOIS

Publication Symbol	Approved Map Unit Name
8F	HICKORY SILT LOAM, 18 TO 35 PERCENT SLOPES
354C2	HONONEGAH SANDY LOAM, 5 TO 10 PERCENT SLOPES, ERODED
172	HOOPESTON LOAM
103	HOUGHTON MUCK
440A	JASPER SILT LOAM, 0 TO 2 PERCENT SLOPES
440B	JASPER SILT LOAM, 2 TO 5 PERCENT SLOPES
575	JOY SILT LOAM, SANDY SUBSTRATUM
343	KANE LOAM
132	LA HOGUE LOAM
60D3	LA ROSE CLAY LOAM, 10 TO 15 PERCENT SLOPES, SEVERELY ERODED
60C3	LA ROSE CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED
60D2	LA ROSE SILT LOAM, 10 TO 15 PERCENT SLOPES, ERODED
60C2	LA ROSE SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
175D	LAMONT FINE SANDY LOAM, 10 TO 15 PERCENT SLOPES
175B	LAMONT FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES
175C2	LAMONT FINE SANDY LOAM, 5 TO 10 PERCENT SLOPES, ERODED
7304	LANDES FINE SANDY LOAM, RARELY FLOODED
8304	LANDES SILT LOAM, OCCASIONALLY FLOODED
647	LAWLER SILT LOAM
451	LAWSON SILT LOAM
4210	LENA MUCK, PONDED
210+	LENA SILT LOAM, OVERWASH
871G	LENZBURG SILTY CLAY LOAM, 30 TO 60 PERCENT SLOPES, STONY
871C	LENZBURG SILTY CLAY LOAM, 4 TO 12 PERCENT SLOPES, STONY
59	LISBON SILT LOAM

LEGEND OF MAP UNITS ACCORDING TO ALPHABETICAL SEQUENCE FOR BUREAU COUNTY, ILLINOIS

Publication Symbol	Approved Map Unit Name
548B2	MARSEILLES SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
549G	MARSEILLES SILT LOAM, 30 TO 60 PERCENT SLOPES
548C2	MARSEILLES SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
570B	MARTINSVILLE SILT LOAM, 1 TO 5 PERCENT SLOPES
27D2	MIAMI SILT LOAM, 10 TO 18 PERCENT SLOPES, ERODED
27F	MIAMI SILT LOAM, 18 TO 35 PERCENT SLOPES
27C2	MIAMI SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
3179	MINNEISKA LOAM, FREQUENTLY FLOODED
8179	MINNEISKA LOAM, OCCASIONALLY FLOODED
3480	MOUNDPRAIRIE SILTY CLAY LOAM, FREQUENTLY FLOODED
1480	MOUNDPRAIRIE SILTY CLAY LOAM, WET
41	MUSCATINE SILT LOAM
741B	OAKVILLE FINE SAND, 1 TO 7 PERCENT SLOPES
741D	OAKVILLE FINE SAND, 7 TO 20 PERCENT SLOPES
200	ORIO LOAM
808E	ORTHENTS, GRAVELLY SAND, HILLY
802B	ORTHENTS, LOAMY, UNDULATING
76	OTTER SILT LOAM
221B2	PARR SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
221C2	PARR SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
153	PELLA SILTY CLAY LOAM
8153	PELLA SILTY CLAY LOAM, OCCASIONALLY FLOODED
865	PITS, GRAVEL
199A	PLANO SILT LOAM, 0 TO 2 PERCENT SLOPES
199B	PLANO SILT LOAM, 2 TO 5 PERCENT SLOPES

LEGEND OF MAP UNITS ACCORDING TO ALPHABETICAL SEQUENCE FOR BUREAU COUNTY, ILLINOIS

Publication Symbol	Approved Map Unit Name
199B2	PLANO SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
199C2	PLANO SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
562	PORT BYRON SILT LOAM, SANDY SUBSTRATUM
277B	PORT BYRON SILT LOAM, 2 TO 5 PERCENT SLOPES
277B2	PORT BYRON SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
277C2	PORT BYRON SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
767	PROPHETSTOWN SILT LOAM
74	RADFORD SILT LOAM
93B	RODMAN GRAVELLY SANDY LOAM, 2 TO 5 PERCENT SLOPES
93D	RODMAN GRAVELLY SANDY LOAM, 7 TO 15 PERCENT SLOPES
73	ROSS SILT LOAM
279A	ROZETTA SILT LOAM, 0 TO 2 PERCENT SLOPES
279B	ROZETTA SILT LOAM, 2 TO 5 PERCENT SLOPES
68+	SABLE SILT LOAM, OVERWASH
68	SABLE SILTY CLAY LOAM
145B	SAYBROOK SILT LOAM, 2 TO 5 PERCENT SLOPES
145B2	SAYBROOK SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
145C2	SAYBROOK SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
125	SELMA LOAM
8125	SELMA LOAM, OCCASIONALLY FLOODED
4125	SELMA LOAM, PONDED
88B2	SPARTA SAND, 1 TO 7 PERCENT SLOPES, ERODED
88D2	SPARTA SAND, 7 TO 20 PERCENT SLOPES, ERODED
243A	ST. CHARLES SILT LOAM, 0 TO 2 PERCENT SLOPES
243B	ST. CHARLES SILT LOAM, 2 TO 5 PERCENT SLOPES

LEGEND OF MAP UNITS ACCORDING TO ALPHABETICAL SEQUENCE
FOR BUREAU COUNTY, ILLINOIS

Publication Symbol	Approved Map Unit Name
243C2	ST. CHARLES SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
278	STRONGHURST SILT LOAM
19D	SYLVAN SILT LOAM, 10 TO 18 PERCENT SLOPES
19G	SYLVAN SILT LOAM, 30 TO 60 PERCENT SLOPES
19D3	SYLVAN SILTY CLAY LOAM, 10 TO 18 PERCENT SLOPES, SEVERELY ERODE
36A	TAMA SILT LOAM, 0 TO 2 PERCENT SLOPES
36B	TAMA SILT LOAM, 2 TO 5 PERCENT SLOPES
36B2	TAMA SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
36C2	TAMA SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
36C3	TAMA SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED
565A	TELL SILT LOAM, 0 TO 2 PERCENT SLOPES
565B	TELL SILT LOAM, 2 TO 5 PERCENT SLOPES
206	THORP SILT LOAM
770	UDOLPHO SILT LOAM
223C2	VARNA SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
223D3	VARNA SILTY CLAY LOAM, 10 TO 15 PERCENT SLOPES, SEVERELY ERODE
104	VIRGIL SILT LOAM
8292	WALLKILL SILT LOAM, OCCASIONALLY FLOODED
292	WALLKILL SILTY CLAY LOAM
290A	WARSAW LOAM, 0 TO 2 PERCENT SLOPES
290B	WARSAW LOAM, 2 TO 5 PERCENT SLOPES
290B2	WARSAW SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
290C2	WARSAW SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
564A	WAUKEGAN SILT LOAM, 0 TO 2 PERCENT SLOPES

LEGEND OF MAP UNITS ACCORDING TO ALPHABETICAL SEQUENCE FOR BUREAU COUNTY, ILLINOIS

Publication Symbol	Approved Map Unit Name
564B2	WAUKEGAN SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
564C2	WAUKEGAN SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
369A	WAUPECAN SILT LOAM, 0 TO 2 PERCENT SLOPES
369B	WAUPECAN SILT LOAM, 2 TO 5 PERCENT SLOPES
369B2	WAUPECAN SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED

CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY ANALYSIS

1. Laboratory data from NSSL with SCS-SOILS-8 forms.

SAMPLED AS	PEDON SAMPLE NO.	PUBLICATION SYMBOL	APPROVED SERIES NAME OR CLASSIFICATION
Gilford	S82IL-011-144	8201	Gilford[1/]
Hennepin	S82IL-011-071	25G	Hennepin. Series type location.
Landes	S82IL-011-094	8304	Landes
Landes	S82IL-011-179	7304	Landes[1/]
Miami	S82IL-011-187	27D2	Miami[1/] data on surface horizon is within sampling error range.
Minneiska	S82IL-011-093	8179	Minneiska[1/]
Parr	S83IL-011-067	221C2	Parr taxadjunct;[1/] fine-loamy, mixed, mesic Mollic Hapludalf.
Selma	S82IL-011-155	8125	Selma[1/]
Sparta	S82IL-011-117	88D2	Sparta taxadjunct;[1/] mixed, mesic Mollic Udipsamment.
Tell	S82IL-011-157	565B	Tell taxadjunct;[1/] fine-silty, mixed, mesic Typic Hapludalfs.

2. Data from the Pedology Laboratory, University of Illinois, with SCS-SOILS-8 forms.

SAMPLED AS	PEDON SAMPLE NO.	PUBLICATION SYMBOL	APPROVED SERIES NAME OR CLASSIFICATION
Palms Variant	82IL-011-109	479	Aurelius taxadjunct; sandy substratum. Fine-silty, mixed, (calcareous), mesic Histic Humaquepts.
Palms Variant	82IL-011-118	479	Aurelius taxadjunct;[1/] sandy substratum. Fine-silty, mixed, (calcareous), mesic Histic Humaquepts.
Bloomfield	82IL-011-062	741D	Bloomfield. Mapped as inclusion in Oakville.
Brenton	82IL-011-002	647	Brenton, sand substratum. Mapped an inclusion in Lawler.

[1/]Typical pedon

Morley	82IL-011-076	241G	Chatsworth. Coarser textures in the C horizon than defined for the series.
Dakota	82IL-011-004	564A	Dakota. These soils contain less sand than defined for the Dakota series. Mapped as inclusion in Waukegan.
Palms	82IL-011-028	312	Edwards.
Flanagan	85IL-011-024	154	Flanagan taxadjunct;[1/] fine-silty, mixed, mesic Aquic Argiudolls.
Gilford	82IL-011-017	8201	Gilford. Contains less sand in the B horizon than defined. Mapped as an inclusion in the Gilford map unit.
Selma	82IL-011-039	8201	Gilford.
La Hogue	82IL-011-067	575	Joy taxadjunct;[1/] sandy substratum. It has an argillic horizon. Fine-silty, mixed, mesic Auqic Argiudolls.
Lawler	82IL-011-007	647	Lawler taxadjunct;[1/] fine-loamy over sandy or sandy skeletal, mixed, mesic Aquic Arguidolls.
Oakville	82IL-011-042	741D	Oakville.
Plainfield	82IL-011-032	741D	Oakville. Average less than 50 percent fine sand in the control section, but contains more fine sand and very fine sand than medium and coarser sand.
Otter	81IL-011-006	76	Otter.[1/] The clay content is on the low end of the series.
Port Byron	83IL-011-020	277B	Port Byron.[1/]
Broadwell	82IL-011-011	562	Port Byron taxadjunct; sandy substratum. Has an argillic horizon. Fine-silty, mixed, mesic Typic Argiudolls.
Port Byron	83IL-011-011	277C2	Port Byron taxadjunct; fine-silty, mixed, mesic Dystric Eutrochrepts. These eroded soils have a thin, dark-colored surface layer.

[1/]Typical pedon

Port Byron	84IL-011-028	277B2	Port Bryon taxadjunct; fine-silty, mixed, mesic Mollic Hapludalfs.
Port Byron	84IL-011-033	277B2	Port Byron taxadjunct; fine-silty, mixed, mesic Typic Argiudolls.
Tama	84IL-011-039	36B2	Port Byron taxadjunct; fine-silty, mixed, mesic Mollic Hapludalfs.
Milford	82IL-011-024	152	Sable. Mapped as inclusion in Drummer.
Sable	82IL-011-044	152	Sable. Mapped as inclusion in Drummer.
Sparta	82IL-011-016	88D2	Sparta.
Strawn	82IL-011-081	27F	Strawn. Mapped as inclusion.
Port Byron	84IL-011-038	36B	Tama.
Tama	84IL-011-026	36B2	Tama taxadjunct; fine-silty, mixed, mesic Mollic Hapludalfs.
Tama	84IL-011-027	36B2	Tama taxadjunct; fine-silty, mixed, mesic Mollic Hapludalfs.
Tama	84IL-011-029	36B2	Tama taxadjunct; fine-silty, mixed, mesic Mollic Hapludalfs.
Tama	84IL-011-035	36B	Tama.
Pillot	82IL-011-106	564A	Waukegan taxadjunct;[1/] fine-silty over sandy or sandy skeletal, mixed, mesic Typic Argiudolls.

3. Engineering test data from Illinois Department of Transportation with SCS-SOILS-10 forms.

SAMPLED AS	PEDON SAMPLE NO.	PUBLICATION SYMBOL	APPROVED SERIES NAME OR CLASSIFICATION
Gilford	S82IL-011-144	8201	Gilford.[1/]
Hennepin	S82IL-011-071	25G	Hennepin. Series type location.
Landes	S82IL-011-079	7304	Landes.[1/]

[1/]Typical pedon

Bureau County, Illinois

Miami	S82IL-011-187	27D2	Miami.[1/] Data on surface horizon is within sampling error range.
Minneiska	S82IL-011-093	8179	Minneiska.[1/]
Parr	S83IL-011-067	221C2	Parr taxadjunct;[1/] fine-loamy, mixed, mesic Mollic Hapludalfs.
Selma	S82IL-011-155	8125	Selma.[1/]
Sparta	S82IL-011-117	88D2	Sparta taxadjunct;[1/] mixed, mesic Mollic Udipsamments.
Tell	S82IL-011-157	565B	Tell taxadjuncts;[1/] fine-silty, mixed, mesic Typic Hapludalfs.
Pillot	S82IL-011-106	564A	Waukegan taxadjunct;[1/] fine-silty over sandy or sandy-skeletal, mixed, mesic Typic Argiudolls. See UI data also.

[1/]Typical pedon

Notes to Accompany
Classification and Correlation
of the Soils of
Bureau County, Illinois
by
J. Wiley Scott
and
Steve R. Base

ASSUMPTION SERIES
These soils are taxadjuncts because they do not have a mollic epipedon. They are fine-silty, mixed, mesic Mollic Hapludalfs. These soils have a calcareous C horizon at a depth of 29 inches that is underlain by till with a paleosol. The interpretations of Assumption will be adequate for this map unit.

ATTERBERRY SERIES
Type location of the series.

AURELIUS SERIES
These soils are taxadjuncts to the series because they fail the criteria for carbonatic minerology class. They are fine-silty, mixed (calcareous), mesic Histic Humaquepts.

AYR SERIES
These soils are taxadjuncts to the series because they have a thin dark-colored surface layer. Sandy over loamy, mixed, mesic Mollic Hapludalfs.

BIRKBECK SERIES
These soils contain more clay in the 2Bt horizon than defined for the Birkbeck series.

CAMDEM SERIES
Map unit 134A has low acreage but the interpretations are needed for the nearly level landscape.

CASCO SERIES
The Casco soils in map unit 820G have free carbonates in the Bt horizon that is not in the range of the series, although the reaction of mildly alkaline is in the range.

CATLIN SERIES
These soils are taxadjuncts to the Catlin series because they have a thin dark-colored surface layer. They are fine-silty, mixed, mesic Mollic Hapludalfs.

DICKINSON SERIES
The soils in map units 87B2 and 87D2 are taxadjuncts to the Dickinson series because they have thin dark-colored surface layers. They are coarse-loamy, mixed, mesic Dystric Eutrochrepts.

EDWARDS SERIES
This soil has a thicker coprogenous layer above the more than defined for the series.

ELKHART SERIES
These soils are taxadjuncts to the Elkhart series because they have thin dark-colored surface layers. They are fine-silty, mixed, mesic Mollic Hapludalfs.

FLANAGAN SERIES
These soils are taxadjuncts to the Flanagan series because they average less than 35 percent clay in the control section. They are fine-silty, mixed, mesic Aquic Argiudolls.

HENNEPIN SERIES
Type location for the series.

HICKORY SERIES
The two Hickory units have low acreage. However, they were correlated in order to join.

HONONEGAH SERIES
This soil is a taxadjunct because it no longer has a mollic epipedon due to erosion. They are sandy, mixed, mesic Typic Eutrochrepts. These soils have very low available water holding capacity. Although they are similar to Sparta in the upper 32 inches, they are enough different to be recognized. This soil has low acreage but is one of the few units that is a source of gravel in the county.

JASPER SERIES
These soils have subhorizons in the Bt horizon that contain less sand than defined for the Jasper series. This affects the percent passing sieves on the interpretations record, but doesn't affect the taxonomic placement of the soils.

Rowley!

JOY SERIES
These soils are taxadjuncts to the Joy series because they have an argillic horizon. They are fine-silty, mixed, mesic Aquic Argiudolls.

LA ROSE SERIES
The soils in map units 60C3 and 60D3 are taxadjuncts to the La Rose series. Although the surface layer is more than one-third the thickness of the solum, it has mixed colors and does not meet the criteria of dry color or organic matter for a mollic epipedon. They are fine-loamy, mixed, mesic Typic Hapludalfs.

Mollic?

LAMONT SERIES
These soils have rapid permeability (greater than 6.0) in the lower part of the 24 to 40 inch zone. This will give a rating of SEVERE (poor filter) for septic tank absorption fields.

LANDES SERIES
The flooding period for these soils in Bureau County is March to June.

LAWLER SERIES
These soils are taxadjuncts to the Lawler series because they have an argillic horizon. They are fine-loamy over sandy or sandy skeletal, mixed, mesic Aquic Argiudolls. The Bt horizon contains silt loam texture that is outside the range. These soils are not a probable source of gravel.

LAWSON SERIES
The flooding period on these soils in Bureau County is March to June.

LENZBURG SERIES
These soils contain more soft rock fragments below a depth of 24 inches than defined for the series.

MARSEILLES SERIES
The soils is map units 548B2 and 548C2 are moderately well drained, and are taxadjuncts to the Marseilles series because they have a dark-colored surface layer between 7 and 10 inches in thickness. They are fine-silty, mixed, mesic Mollic Hapludalfs. These soils are thought to be eroded Mollisols. There are insufficient acres for a new series. Taxadjuncts to the Marseilles series seem to be the best choice.

MIAMI SERIES
The data shows 28 percent clay in the surface layer of the typical pedon, but it is thought to be a silt loam.

MUSCATINE SERIES
These soils are taxadjuncts to the Muscatine series because they have an argillic horizon. They are fine-silty, mixed, mesic Aquic Arguidolls.

PARR SERIES
These soils are taxadjuncts to the Parr series because they have a thin dark-colored surface layer. They are fine-loamy, mixed, mesic Mollic Hapludalfs.

PLANO SERIES
The soils in map units 199B2 and 199C2 are taxadjuncts to the Plano series because they have a thin dark-colored surface horizon. They are fine-silty, mixed, mesic Mollic Hapludalfs.

PORT BYRON SERIES
The soils in map units 277B2 and 277C2 are taxadjuncts to the Port Byron series because they have a thin dark-colored surface layer. They are fine-silty, mixed, mesic Mollic Hapludalfs.

PROPHETSTOWN SERIES
This soil is established by this correlation. The laboratory data available indicates this soil has a calcic horizon. It is fine-silty, mesic Typic Calciaquolls.

ROZETTA SERIES
The upper part of the control section contains less clay than is defined for the Rozetta series.

SAYBROOK SERIES
The soils in map units 145B2 and 145C2 are taxadjuncts to the Saybrook series because they have a thin dark-colored surface layer. They are fine-silty, mixed, mesic Mollic Hapludalfs.

SELMA SERIES
The soils in map unit 125 are dominated by sand in the substratum below a depth of 40 inches.

SPARTA SERIES
These soils are taxadjuncts to the Sparta series because they have a thin dark-colored surface horizon. They are mixed, mesic Mollic Udipsamments.

SYLVAN SERIES
The soils in map unit 19G have their lower part of the solum formed in silty lacustrine material instead of loess.

TAMA SERIES
The soils in map units 36B2, 36C2, and 36C3 are taxadjuncts to the Tama series because they have thin dark-colored surface layers. They are fine-silty, mixed, mesic Mollic Hapludalfs. In addition, the soils in map unit 36C2 contains less clay in the upper part of the Bt horizon than defined for the Tama series.

UDOLPHO SERIES
These soils are taxadjuncts to the Udolpho series because they contain less sand in the upper part of the control section, and colors are dominantly browner than defined. They are fine-silty over sandy or sandy-skeletal, mixed, mesic Udollic Ochraqualfs. These are somewhat poorly drained soils, but the depth to water table and the permeability are considered to be in the same range as Udolpho (poorly drained), so the interpretations are essentially the same. The Udolpho series has evolved from somewhat poorly drained, to somewhat poorly drained, and poorly drained in 1976, and to poorly drained in 1982.

VARNA SERIES
These soils are taxadjuncts to the Varna series because they do not have a mollic epipedon. The Varna soils in map unit 223C2 are fine, illitic, mesic Mollic Hapludalfs. The Varna soils in map unit 223D3 are fine, illitic, mesic Typic Hapludalfs.

WALLKILL SERIES
These soils are taxadjuncts to the Wallkill series because they contain less sand in the control section than defined. They are fine-silty, mixed, nonacid, mesic Thapto-Histic Fluvaquents.

WARSAW SERIES
The soils in map units 290B2 and 290C2 are taxadjuncts to the Warsaw series because they have a thin dark-colored surface layer. They are fine-loamy over sandy or sandy-skeletal, mixed, mesic Mollic Hapludalfs.

WAUKEGAN SERIES
These soils are taxadjuncts to the Waukegan series. The soils in map unit 564A have an argillic horizon and are fine-silty over sandy or sandy-skeletal, mixed, mesic Typic Argiudolls. The soils in map units 564B2 and 564C2 have an argillic horizon and a thin dark-colored surface layer, and are fine-silty over sandy or sandy-skeletal, mixed, mesic Mollic Hapludalfs.

WAUPECAN SERIES
The soils in map unit 369B2 are taxadjuncts to the Waupecan series because they have a thin dark-colored surface layer. They are fine-silty, mixed, mesic Mollic Hapludalfs.

CLASSIFICATION OF THE SOILS

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

Soil name	Family or higher taxonomic class
*Assumption---	Fine-silty, mixed, mesic Typic Argiudolls
Atterberry---	Fine-silty, mixed, mesic Udollic Ochraqualfs
*Aurelius-----	Fine-silty, carbonatic, mesic Histic Humaquepts
*Ayr----------	Sandy over loamy, mixed, mesic Typic Argiudolls
Batavia------	Fine-silty, mixed, mesic Mollic Hapludalfs
Birkbeck-----	Fine-silty, mixed, mesic Typic Hapludalfs
Brenton------	Fine-silty, mixed, mesic Aquic Argiudolls
Camden-------	Fine-silty, mixed, mesic Typic Hapludalfs
Canisteo-----	Fine-loamy, mixed (calcareous), mesic Typic Haplaquolls
Casco--------	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Typic Hapludalfs
*Catlin-------	Fine-silty, mixed, mesic Typic Argiudolls
Chatsworth---	Fine, illitic, mesic Typic Eutrochrepts
Chute--------	Mixed, mesic Typic Udipsamments
Dickinson----	Coarse-loamy, mixed, mesic Typic Hapludolls
Dodge--------	Fine-silty, mixed, mesic Typic Hapludalfs
Downs--------	Fine-silty, mixed, mesic Mollic Hapludalfs
Drummer------	Fine-silty, mixed, mesic Typic Haplaquolls
Edgington----	Fine-silty, mixed, mesic Argiaquic Argialbolls
Edwards------	Marly, euic, mesic Limnic Medisaprists
Elburn-------	Fine-silty, mixed, mesic Aquic Argiudolls
*Elkhart------	Fine-silty, mixed, mesic Typic Argiudolls
Fayette------	Fine-silty, mixed, mesic Typic Hapludalfs
*Flanagan-----	Fine, montmorillonitic, mesic Aquic Argiudolls
Gilford------	Coarse-loamy, mixed, mesic Typic Haplaquolls
Harpster-----	Fine-silty, mesic Typic Calciaquolls
Hartsburg----	Fine-silty, mixed, mesic Typic Haplaquolls
Hennepin-----	Fine-loamy, mixed, mesic Typic Eutrochrepts
Hickory------	Fine-loamy, mixed, mesic Typic Hapludalfs
*Hononegah----	Sandy, mixed, mesic Entic Hapludolls
Hoopeston----	Coarse-loamy, mixed, mesic Aquic Hapludolls
Houghton-----	Euic, mesic Typic Medisaprists
Jasper-------	Fine-loamy, mixed, mesic Typic Argiudolls
*Joy----------	Fine-silty, mixed, mesic Aquic Hapludolls
Kane---------	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Aquic Argiudolls

CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
La Hogue-----	Fine-loamy, mixed, mesic Aquic Argiudolls
La Rose------	Fine-loamy, mixed, mesic Typic Argiudolls
Lamont-------	Coarse-loamy, mixed, mesic Typic Hapludalfs
Landes-------	Coarse-loamy, mixed, mesic Fluventic Hapludolls
*Lawler-------	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Aquic Hapludolls
Lawson-------	Fine-silty, mixed, mesic Cumulic Hapludolls
Lena---------	Euic, mesic Typic Medisaprists
Lenzburg-----	Fine-loamy, mixed (calcareous), mesic Typic Udorthents
Lisbon-------	Fine-silty, mixed, mesic Aquic Argiudolls
Marseilles---	Fine-silty, mixed, mesic Typic Hapludalfs
Martinsville	Fine-loamy, mixed, mesic Typic Hapludalfs
Miami--------	Fine-loamy, mixed, mesic Typic Hapludalfs
Minneiska----	Coarse-loamy, mixed (calcareous), mesic Mollic Udifluvents
Moundprairie	Fine-silty, mixed (calcareous), mesic Mollic Fluvaquents
*Muscatine----	Fine-silty, mixed, mesic Aquic Hapludolls
Oakville-----	Mixed, mesic Typic Udipsamments
Orio---------	Fine-loamy, mixed, mesic Mollic Ochraqualfs
Orthents-----	Mixed, mesic, Udorthents
Otter--------	Fine-silty, mixed, mesic Cumulic Haplaquolls
*Parr---------	Fine-loamy, mixed, mesic Typic Argiudolls
Pella--------	Fine-silty, mixed, mesic Typic Haplaquolls
Plano--------	Fine-silty, mixed, mesic Typic Argiudolls
Port Byron---	Fine-silty, mixed, mesic Typic Hapludolls
Prophetstown	Fine-silty, mesic Typic Calciaquolls
Radford------	Fine-silty, mixed, mesic Fluvaquentic Hapludolls
Rodman-------	Sandy-skeletal, mixed, mesic Typic Hapludolls
Ross---------	Fine-loamy, mixed, mesic Cumulic Hapludolls
Rozetta------	Fine-silty, mixed, mesic Typic Hapludalfs
Sable--------	Fine-silty, mixed, mesic Typic Haplaquolls
Saybrook-----	Fine-silty, mixed, mesic Typic Argiudolls
Selma--------	Fine-loamy, mixed, mesic Typic Haplaquolls
*Sparta-------	Sandy, mixed, mesic Entic Hapludolls
St. Charles	Fine-silty, mixed, mesic Typic Hapludalfs
Stronghurst	Fine-silty, mixed, mesic Aeric Ochraqualfs
Sylvan-------	Fine-silty, mixed, mesic Typic Hapludalfs
Tama---------	Fine-silty, mixed, mesic Typic Argiudolls
Tell---------	Fine-silty over sandy or sandy-skeletal, mixed, mesic Typic Hapludalfs
Thorp--------	Fine-silty, mixed, mesic Argiaquic Argialbolls

CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
*Udolpho------	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Mollic Ochraqualfs
*Varna--------	Fine, illitic, mesic Typic Argiudolls
Virgil-------	Fine-silty, mixed, mesic Udollic Ochraqualfs
*Wallkill-----	Fine-loamy, mixed, nonacid, mesic Thapto-Histic Fluvaquents
Warsaw-------	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Typic Argiudolls
*Waukegan-----	Fine-silty over sandy or sandy-skeletal, mixed, mesic Typic Hapludolls
Waupecan-----	Fine-silty, mixed, mesic Typic Argiudolls