UNITED STATES
DEPARTMENT OF
AGRICULTURE

SOIL
CONSERVATION
SERVICE

1902 Fox Drive
Champaign, Illinois 61820

MAY 5 1993

SUBJECT: SOI - First Amendment to the Classification and Correlation of the Soils of Hancock County, Illinois

DATE: April 30, 1993

FILE CODE: 430-15

TO: J. Culver, Nat'l Leader, SSQA, NSSC, Lincoln, NE (4 copies)
R. Folsche, Head, NCC, SNTC, Ft. Worth, TX
H.R. Sinclair, Jr., Nat'l Leader, SSIT, NSSC, Lincoln, NE
K. Olson, UI, Urbana, IL
T. Donohue, IDOA, Springfield, IL

The subject amendment is enclosed. Please file the amendment with your copy(ies) of Classification and Correlation of the Soils of Hancock County, Illinois, dated March 1993. The changes are in the correlation notes section and to the Classification table. The correlated soil identification legend has no changes.

CHARLES WHITMORE
State Conservationist

Enclosure

cc:
G. Pfiefle, AC, SCS, A-1
G. Smiddy, DC, SCS, A-1
S. Elmer, SSPL(MLRA), SCS, A-1
C. Love, SSPL(MLRA), SCS, A-3
S. Indorante, SSPL(MLRA), A-5
State Soil Scientists in KY, MO, IA, WI, IN, OH

RLM:jd:correl/Hancock/amend

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UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
CHAMPAIGN, ILLINOIS 61820

FIRST AMENDMENT TO: Classification and Correlation of the Soils of Hancock County, Illinois

This amendment is issued to correct an error in the NOTES section on the taxadjucnt classification of the soils mapped as Coatsburg. The amendment also corrects an error in the "Classification" table for those soils mapped as Ross.

The amendments to the Classification and Correlation of the Soils of Hancock County, Illinois, dated March 1993 are as follows:

To the **Notes on Classification and Correlation of the Soils of Hancock County**:

For the Coatsburg soils DELETE Haplaquolls and INSERT Ochraqualfs

To the table **Classification of the Soils of Hancock County**:

For the Soil name Ross Variant DELETE the word Variant.

Classification and Correlation
of the Soils of
Hancock County, Illinois
March, 1993

(2) This correlation was prepared by Steve Higgins in August, 1992. The final field review was conducted July 8-11, 1991 by Les Bushue with Mike Walker, survey leader; Sue Azman, Soil Scientist; and Don Walker, Hancock Co. Soil Scientist. Jim Fortner, Soil Scientist, SSQA participated in the final field review and reviewed the preliminary correlation.

Decisions at the final field review were based on pedon data, soil correlation samples, soil maps, final field review notes, preliminary tables of interpretations, and the draft manuscript.

(3) Headnote for Detailed Soil Survey Legend:

Map symbols consist of numbers, or a combination of numbers and a letter. The initial number(s) represent the kind 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 that the soil is moderately eroded, and 3 indicates that it is severely eroded.

SOIL CORRELATION OF
HANCOCK COUNTY, ILLINOIS

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
6C2, 6C, 6C3, 17C2, 17C3	Fishhook silt loam, 5 to 10 percent slopes, eroded	6C2	Fishhook silt loam, 5 to 10 percent slopes, eroded
7C3, 7C2, 8C2	Atlas silty clay loam, 5 to 10 percent slopes, severely eroded	7C3	Atlas silty clay loam, 5 to 10 percent slopes, severely eroded
8D2, 8D3, 264D2, 264E2, 134D2, 134D3, 134E2, 134E3	Hickory loam, 10 to 18 percent slopes, eroded	8D2	Hickory loam, 10 to 18 percent slopes, eroded
8F, 8F2, 8F3, 8E, 250E2, 8E2, 8E3	Hickory loam, 18 to 30 percent slopes	8F	Hickory loam, 18 to 30 percent slopes
8G, 8G2, 8G3	Hickory loam, 30 to 60 percent slopes	8G	Hickory loam, 30 to 60 percent slopes
17A, 17	Keomah silt loam, 0 to 2 percent slopes	17A	Keomah silt loam, 0 to 2 percent slopes
17B	Keomah silt loam, 2 to 5 percent slopes	17B	Keomah silt loam, 2 to 5 percent slopes
17B2, 17B3, 6B2, 7B	Keomah silt loam, 2 to 5 percent slopes, eroded	17B2	Keomah silt loam, 2 to 5 percent slopes, eroded
36B, 36A, 127B, 246B, 277B, 277A, 277C	Tama silt loam, 2 to 5 percent slopes	36B	Tama silt loam, 2 to 5 percent slopes
36B2	Tama silt loam, 2 to 5 percent slopes, eroded	36B2	Tama silt loam, 2 to 5 percent slopes, eroded
37A, 81, 81A, 102, 102A, 102B, 172, G37	Worthen silt loam, 0 to 2 percent slopes	37A	Worthen silt loam, 0 to 2 percent slopes

HANCOCK COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
37B	Worthen silt loam, 2 to 5 percent slopes	37B	Worthen silt loam, 2 to 5 percent slopes
41A, 41, 663, 275	Muscatine silt loam, 0 to 2 percent slopes	41A	Muscatine silt loam, 0 to 2 percent slopes
41B2, 41B	Muscatine silt loam, 2 to 5 percent slopes, eroded	41B2	Muscatine silt loam, 2 to 5 percent slopes, eroded
43A, 43, 262	Ipava silt loam, 0 to 2 percent slopes	43A	Ipava silt loam, 0 to 2 percent slopes
43B	Ipava silt loam, 2 to 5 percent slopes	43B	Ipava silt loam, 2 to 5 percent slopes
43B2, 46B2, 470B2, 46B, 470B	Ipava silt loam, 2 to 5 percent slopes, eroded	43B2	Ipava silt loam, 2 to 5 percent slopes, eroded
46A, 46	Herrick silt loam, 0 to 2 percent slopes	46A	Herrick silt loam, 0 to 2 percent slopes
50, 47, 65	Virden silty clay loam	50	Virden silty clay loam
61A, 61, 219, 219A	Atterberry silt loam, 0 to 2 percent slopes	61A	Atterberry silt loam, 0 to 2 percent slopes
61B2, 61B, 219B	Atterberry silt loam, 2 to 5 percent slopes, eroded	61B2	Atterberry silt loam, 2 to 5 percent slopes, eroded
68, 125	Sable silty clay loam	68	Sable silty clay loam
112, 16, 45, 249, 474, 206, 208, 633	Cowden silt loam	112	Cowden silt loam
119C2, 29C2, 119C3	Elco silt loam, 5 to 10 percent slopes, eroded	119C2	Elco silt loam, 5 to 10 percent slopes, eroded

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
134B, 75B, 75A, 131A, 134A, 148A, 570B	Camden silt loam, 2 to 5 percent slopes	134B	Camden silt loam, 2 to 5 percent slopes
134C2, 75C, 75C2, 264C2	Camden silt loam, 5 to 10 percent slopes, eroded	134C2	Camden silt loam, 5 to 10 percent slopes, eroded
138, 48	Shiloh silty clay	138	Shiloh silty clay
250D2, 250D3, 440D3	Velma loam, 10 to 15 percent slopes, eroded	250D2	Velma loam, 10 to 15 percent slopes, eroded
257A, 7257, V257, 257	Clarksdale silt loam, 0 to 2 percent slopes	257A	Clarksdale silt loam, 0 to 2 percent slopes
257B	Clarksdale silt loam, 2 to 5 percent slopes	257B	Clarksdale silt loam, 2 to 5 percent slopes
257B2	Clarksdale silt loam, 2 to 5 percent slopes, eroded	257B2	Clarksdale silt loam, 2 to 5 percent slopes, eroded
259C2, 36C2, 386C2, 250C2, 127C2, 344C2, 36D2, 61C2, 386D2, 250C3, 344D2, 386C	Assumption silt loam, 5 to 10 percent slopes, eroded	259C2	Assumption silt loam, 5 to 10 percent slopes, eroded
268B, 268A, 263B	Mt. Carroll silt loam, 2 to 5 percent slopes	268B	Mt. Carroll silt loam, 2 to 5 percent slopes
274A, 280A	Seaton silt loam, 0 to 2 percent slopes	274A	Seaton silt loam, 0 to 2 percent slopes
274B, 175B, 273B, 280B, 280B2	Seaton silt, 2 to 5 percent slopes	274B	Seaton silt, 2 to 5 percent slopes

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
274C2, 19C2, 53C, 175C2, 268C2, 273C2, 280C	Seaton silt loam, 5 to 10 percent slopes, eroded	274C2	Seaton silt loam, 5 to 10 percent slopes, eroded
274D3, 274D2, 271D2, 175D2, 19D2, 19D3, 271E2, 273D2, 273D3, 273E, 273E3, 273E2, 274E2, 274E3	Seaton silt loam, 10 to 18 percent slopes, severely eroded	274D3	Seaton silt loam, 10 to 18 percent slopes, severely eroded
278A, 278, 132, 132A	Stronghurst silt loam, 0 to 2 percent slopes	278A	Stronghurst silt loam, 0 to 2 percent slopes
279B, 279A, 278B2, 132B, 278B, 279B2, 18A, 18B	Rozetta silt loam, 2 to 5 percent slopes	279B	Rozetta silt loam, 2 to 5 percent slopes
279C2, 5C2, 280C2, 5C3, 278C2, 278C3, 278C, 18C2, 18C3, 179C3	Rozetta silt loam, 5 to 10 percent slopes, eroded	279C2	Rozetta silt loam, 5 to 10 percent slopes, eroded
280D2, 5D2, 5D3, 18D2, 18D3, 279D2, 279D3, 280D3, 280E3	Fayette silt loam, 10 to 18 percent slopes, eroded	280D2	Fayette silt loam, 10 to 18 percent slopes, eroded
379B, 240, 315B, 315	Dakota loam, 1 to 5 percent slopes	379B	Dakota loam, 1 to 5 percent slopes
386B, 386A, 344B, 386B2	Downs silt loam, 2 to 5 percent slopes	386B	Downs silt loam, 2 to 5 percent slopes

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
417G, 29F2, 95, 95G, 95G2, 505F, 505G, 549F, 551E2, 551F2, 551F3, 551G, 551G3, 640F, 417F, 549G	Derinda silt loam, 30 to 60 percent slopes	417G	Derinda silt loam, 30 to 60 percent slopes
440B, 31B, 31C, 87B, 240A, 240B, 265A, 265B, 266B, 266C, 270B, 270C, 473, 440A	Jasper loam, 1 to 5 percent slopes	440B	Jasper loam, 1 to 5 percent slopes
440C2, 37C, 37D, 87C, 87C2	Jasper fine sandy loam, 5 to 10 percent slopes, eroded	440C2	Jasper fine sandy loam, 5 to 10 percent slopes, eroded
470C2, 470C3, 257C2, 470D2	Keller silt loam, 5 to 12 percent slopes, eroded	470C2	Keller silt loam, 5 to 12 percent slopes, eroded
516, 314, R405	Faxon silty clay loam	516	Faxon silty clay loam
605E3, 605E2, 605E, 605F, 605F2, V7F2, 419E, 419E3, V7F3, 119E2, 119E3, 7E2, 7E3	Ursa clay loam, 15 to 22 percent slopes, severely erode d	605E3	Ursa clay loam, 15 to 20 percent slopes, severely eroded
647A, SP240, SP315	Lawler clay loam, bedrock substratum, 0 to 2 percent sl opes	647A	Lawler clay loam, bedrock substratum, 0 to 2 percent sl opes
660C3, 660C2	Coatsburg silty clay loam, 5 to 10 percent slopes, seve rely erod ed	660C3	Coatsburg silty clay loam, 5 to 10 percent slopes, seve rely ero d ed

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
785C, 75C2, 315C2, 505C2, V440B	Lacrescent silt loam, 5 to 10 percent slopes	785C	Lacrescent silt loam, 5 to 10 percent slopes
785G, 9, 94, 504G, 9G, 9G2, 94G2	Lacrescent cobbly silt loam, 30 to 60 percent slopes	785G	Lacrescent cobbly silt loam, 30 to 60 percent slopes
802B	Orthents, loamy, gently sloping	802B	Orthents, loamy, gently sloping
802F, 871G	Orthents, loamy, steep	802F	Orthents, loamy, steep
864	Pits, quarries	864	Pits, quarries
874F, 87D2, 87E, 30G, 87E2, 35G, 87D, 53D, 131E2, 131F2, 90F2, 90E3, 90E2, 90D3, 90D2	Dickinson-Hamburg complex, 10 to 60 percent slopes	874F	Dickinson-Hamburg complex, 10 to 60 percent slopes
915D2, 605D2, 605D3, 119D2, 119D3, 259D2, 549D2, 29D2, 29E2, 29E3	Elco-Ursa complex, 10 to 15 percent slopes, eroded	915D2	Elco-Ursa complex, 10 to 15 percent slopes, eroded
936F, 175F, 175F2, 5E2, 280F2, 5E3, 175E2, 936E2	Fayette-Hickory complex, 15 to 30 percent slopes	936F	Fayette-Hickory complex, 15 to 30 percent slopes
936G	Fayette-Hickory complex, 30 to 60 percent slopes	936G	Fayette-Hickory complex, 30 to 60 percent slopes

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
937F, 274F, 271F2, 19E2, 19E3, 19F, 19F2, 19F3, 937F2, 273F2, 273F, 271E3, 271F3	Seaton-Hickory complex, 15 to 30 percent slopes	937F	Seaton-Hickory complex, 15 to 30 percent slopes
937G, 274G, 937G2	Seaton-Hickory complex, 30 to 60 percent slopes	937G	Seaton-Hickory complex, 30 to 60 percent slopes
971D3, 6D2, 6E2, V7D2, V7E2, 7D3, 7D, 6D3, 6E3, 7D2, 660D3, 660D2, V7D3, V7E2, V7E3, X7D2, X7D3, X7E2, X7E3	Fishhook-Atlas complex, 10 to 15 percent slopes, severe ly eroded	971D3	Fishhook-Atlas complex, 10 to 15 percent slopes, severe ly erode d
1070, 1107, 1334, 1451, 1405, 1071, 1076, 1083, W71, W83	Beaucoup silty clay loam, undrained	1070	Beaucoup silty clay loam, undrained
3070, 162, 603, 70, 70+	Beaucoup silty clay loam, frequently flooded	3070	Beaucoup silty clay loam, frequently flooded
3073, V73, V3073, 8073	Ross silt loam, frequently flooded	3073	Ross silt loam, frequently flooded
3107, 76, 107, 107+	Sawmill silty clay loam, frequently flooded	3107	Sawmill silty clay loam, frequently flooded
3284	Tice silty clay loam, frequently flooded	3284	Tice silty clay loam, frequently flooded
3331, 331, 28	Haymond silt loam, frequently flooded	3331	Haymond silt loam, frequently flooded

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
3333, 333, EB	Wakeland silt loam, frequently flooded	3333	Wakeland silt loam, frequently flooded
3334, 334, 8109, 109	Birds silt loam, frequently flooded	3334	Birds silt loam, frequently flooded
3415	Orion silt loam, frequently flooded	3415	Orion silt loam, frequently flooded
3428, 3183, 428, 60	Coffeen silt loam, frequently flooded	3428	Coffeen silt loam, frequently flooded
3451, 3074, 451, 451+	Lawson silt loam, frequently flooded	3451	Lawson silt loam, frequently flooded
3452	Riley silty clay loam, frequently flooded	3452	Riley loam, frequently flooded
3789, 428R, V73, 282R	Volney silt loam, overwash, bedrock substratum, frequen tly flood ed	3789	Volney silt loam, bedrock substratum, frequently flooded, overwash
7430, 430	Raddle silt loam, rarely flooded	7430	Raddle silt loam, rarely flooded
88B, 8088, 87B, 88C, 90B, 150B, 90C2, 98B, 98C, 150A, 190B	Sparta loamy fine sand, 1 to 5 percent slopes	7439B	Zumbro loamy fine sand, 1 to 5 percent slopes, rarely flooded
8070	Beaucoup silty clay loam, occasionally flooded	8070	Beaucoup silty clay loam, occasionally flooded
8071, 71, 83	Darwin silty clay, occasionally flooded	8071	Darwin silty clay, occasionally flooded
8077, 77, 8430	Huntsville silt loam, occasionally flooded	8077	Huntsville silt loam, occasionally flooded

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
8092, 92, 92+, 92C, 282B, 53B, 123	Sarpy loamy sand, occasionally flooded	8092	Sarpy sand, occasionally flooded
8107	Sawmill silty clay loam, occasionally flooded	8107	Sawmill silty clay loam, occasionally flooded
8162, 8302, 302	Gorham silty clay loam, occasionally flooded	8162	Gorham silty clay loam, occasionally flooded
8284, 284	Tice silt loam, occasionally flooded	8284	Tice silt loam, occasionally flooded
8304, 304, 475	Landes loam, occasionally flooded	8304	Landes loam, occasionally flooded
8404, 404	Titus silty clay loam, occasionally flooded	8404	Titus silty clay loam, occasionally flooded
8405, 405	Zook silty clay loam, occasionally flooded	8405	Zook silty clay loam, occasionally flooded
8415, 415	Orion silt loam, occasionally flooded	8415	Orion silt loam, occasionally flooded
8451, 8074	Lawson silt loam, occasionally flooded	8451	Lawson silt loam, occasionally flooded
8452, 452, 161	Riley silt loam, occasionally flooded	8452	Riley silt loam, occasionally flooded
8682	Medway loam, occasionally flooded	8682	Medway loam, occasionally flooded

Hancock County, Illinois

(5) Series Established by This Correlation:

None

(6) Series Dropped or Made Inactive:

None

(7) Verification of Exact Cooperator Names:

For the front cover, general soil map and half title page:

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 Hancock County Soil and Water Conservation District. The cost of was partially funded by the Washington County Board and the Illinois Department of Agriculture. This soil survey is Illinois Department of Agriculture Experiment Station Soil Report No. 161.

(8) Prior Soil Survey publications

The first soil survey of Hancock County was published in 1924. R.S. Smith, E.E. De Turk, F.C. Bauer, and L.H. Smith. Hancock County Soils, May, 1924. Soil Report No. 27. University of Illinois, Urbana. 62 p. illus.

This survey updates the first survey and provides additional information and larger maps that show soils in greater detail.

(9) Disposition of Field Sheets:

The soil maps have been compiled at a scale of 1:15,840. The compiled maps, field sheets, names overlay, topographic maps, and all map materials have been delivered to the map finishing unit at the state office. Copies made from the compiled maps are available in the Hancock County field office in Carthage and one copy will be with the Area Soil Scientist in Rock Falls.

(10) Instructions for Map Finishing:

Map finishing will be done in the map finishing unit at the Illinois State Office. The conversion legend in the final correlation report will be used for the conversion of all symbols that appear on compiled maps.

SCS-SOILS-37A
3-75

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Soil Survey Area: HANCOCK COUNTY
State: ILLINOIS

Date: 3-93

DESCRIPTION	SYMBOL
CULTURAL FEATURES	
BOUNDARIES	
National, state, or province	
County or parish	
Minor civil division	
Reservation (national forest or park, state forest or park, and large airport)	
Land grant	
Limit of soil survey (label)	
Field sheet matchline & neatline	
AD HOC BOUNDARY (label)	
Small airport, airfield, park, oilfield, cemetery, or flood pool	
STATE COORDINATE TICK	1 890 000 FEET
LAND DIVISION CORNERS (sections and land grants)	
ROADS	
Divided (median shown if scale permits)	
County, farm or ranch	
Trail	
ROAD EMBLEMS & DESIGNATIONS	
Federal	287
State	52
RAILROAD	
LEVEES	
Without road	
With road	
DAMS	
Large (to scale)	
Medium or small	w
PITS	
Gravel pit	
Mine or quarry	

DESCRIPTION	SYMBOL
CULTURAL FEATURES (cont.)	
MISCELLANEOUS CULTURAL FEATURES	
WATER FEATURES	
DRAINAGE	
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	
Wet spot	

DESCRIPTION	SYMBOL
SPECIAL SYMBOLS FOR SOIL SURVEY	
SOIL DELINEATIONS AND SOIL SYMBOLS	
ESCARPMENTS	8F 879B
Bedrock (points down slope)	
Other than bedrock (points down slope)	
SHORT STEEP SLOPE	
DEPRESSION OR SINK	
SOIL SAMPLE SITE (normally not shown)	S
MISCELLANEOUS	
Gravelly spot	
Rock outcrop (includes sandstone and shale)	
Sandy spot	
Severely eroded spot	
RECOMMENDED AD HOC SOIL SYMBOLS	

Miscellaneous and ad hoc symbols represent areas less than 2 acres in size.

(13) Certification Statement:

The State Soil Scientist certifies that:

a. The field mapping was completed in December 1991.

b. Hancock County joins the following survey areas:

Henderson County (published 1956)
Adams County (published 1980)
McDonough County (modern survey completed, not published)
Schuyler County (modern survey completed, not published)

The joining has been checked for both the general soil map and the detailed soil maps. The differences in the names of map units along with an explanation as to why there is a difference are on file in the state office. Future MLRA legends will take care of any remaining join problems. The join is satisfactory.

c. Interpretations have been coordinated with adjoining survey areas.

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

e. All typical pedons are classified according to *Soil Taxonomy*.

f. Soil maps have been reviewed for completeness, accuracy, and consistency.

CONVERSION LEGEND FOR HANCOCK COUNTY, ILLINOIS

Field symbol	Publi-cation symbol	Field symbol	Publi-cation symbol	Field symbo	Publi-cation symbol	Field symbol	Publi-cation symbol
EB	3333	7C2	7C3	19E3	937F	53C	274C2
G37	37A	7C3	7C3	19F	937F	53D	874F
R405	516	7D	971D3	19F2	937F	60	3428
SP240	647A	7D2	971D3	19F3	937F	61	61A
SP315	647A	7D3	971D3	28	3331	61A	61A
V7D2	971D3	7E2	605E3	29C2	119C2	61B	61B2
V7D3	971D3	7E3	605E3	29D2	915D2	61B2	61B2
V7E2	971D3	8C2	7C3	29E2	915D2	61C2	259C2
V7E2	971D3	8D2	8D2	29E3	915D2	65	50
V7E3	971D3	8D3	8D2	29F2	417G	68	68
V7F2	605E3	8E	8F	30G	874F	70	3070
V7F3	605E3	8E2	8F	31B	440B	70+	3070
V73	3789	8E3	8F	31C	440B	71	8071
V73	3073	8F	8F	35G	874F	75A	134B
V257	257A	8F2	8F	36A	36B	75B	134B
V440B	785C	8F3	8F	36B	36B	75C	134C2
V3073	3073	8G	8G	36B2	36B2	75C2	134C2
		8G2	8G	36C2	259C2	785C	785C
W71	1070	8G3	8G	36D2	259C2	76	3107
W83	1070	9	785G	37A	37A	77	8077
		9G	785G	37B	37B	81	37A
X7D2	971D3	9G2	785G	37C	440C2	81A	37A
X7D3	971D3	16	112	37D	440C2	83	8071
X7E2	971D3	17	17A	41	41A	87B	7439B
X7E3	971D3	17A	17A	41A	41A	87B	440B
5C2	279C2	17B	17B	41B	41B2	87C	440C2
5C3	279C2	17B2	17B2	41B2	41B2	87C2	440C2
5D2	280D2	17B3	17B2	43	43A	87D	874F
5D3	280D2	17C2	6C2	43A	43A	87D2	874F
5E2	936F	17C3	6C2	43B	43B	87E	874F
5E3	936F	18A	279B	43B2	43B2	87E2	874F
6B2	17B2	18B	279B	45	112	88B	7439B
6C	6C2	18C2	279C2	46	46A	88C	7439B
6C2	6C2	18C3	279C2	46A	46A	90B	7439B
6C3	6C2	18D2	280D2	46B	43B2	90C2	7439B
6D2	971D3	18D3	280D2	46B2	43B2	90D2	874F
6D3	971D3	19C2	274C2	47	50	90D3	874F
6E2	971D3	19D2	274D3	48	138	90E2	874F
6E3	971D3	19D3	274D3	50	50	90E3	874F
7B	17B2	19E2	937F	53B	8092	90F2	874F

Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbo	Publication symbol	Field symbol	Publication symbol
92	8092	138	138	264D2	8D2	278B	279B
92+	8092	148A	134B	264E2	8D2	278B2	279B
92C	8092	150A	7439B	265A	440B	278C	279C2
94	785G	150B	7439B	265B	440B	278C2	279C2
94G2	785G	161	8452	266B	440B	278C3	279C2
95	417G	162	3070	266C	440B	279A	279B
95G	417G	172	37A	268A	268B	279B	279B
95G2	417G	175B	274B	268B	268B	279B2	279B
98B	7439B	175C2	274C2	268C2	274C2	279C2	279C2
98C	7439B	175D2	274D3	270B	440B	279D2	280D2
102	37A	175E2	936F	270C	440B	279D3	280D2
102A	37A	175F	936F	271D2	274D3	280A	274A
102B	37A	175F2	936F	271E2	274D3	280B	274B
107	3107	179C3	279C2	271E3	937F	280B2	274B
107+	3107	190B	7439B	271F2	937F	280C	274C2
109	3334	206	112	271F3	937F	280C2	279C2
112	112	208	112	273B	274B	280D2	280D2
119C2	119C2	219	61A	273C2	274C2	280D3	280D2
119C3	119C2	219A	61A	273D2	274D3	280E3	280D2
119D2	915D2	219B	61B2	273D3	274D3	280F2	936F
119D3	915D2	240	379B	273E	274D3	282B	8092
119E2	605E3	240A	440B	273E2	274D3	282R	3789
119E3	605E3	240B	440B	273E3	274D3	284	8284
123	8092	246B	36B	273F	937F	302	8162
125	68	249	112	273F2	937F	304	8304
127B	36B	250C2	259C2	274A	274A	314	516
127C2	259C2	250C3	259C2	274B	274B	315	379B
131A	134B	250D2	250D2	274C2	274C2	315B	379B
131E2	874F	250D3	250D2	274D2	274D3	315C2	785C
131F2	874F	250E2	8F	274D3	274D3	331	3331
132	278A	257	257A	274E2	274D3	333	3333
132A	278A	257A	257A	274E3	274D3	334	3334
132B	279B	257B	257B	274F	937F	344B	386B
134A	134B	257B2	257B2	274G	937G	344C2	259C2
134B	134B	257C2	470C2	275	41A	344D2	259C2
134C2	134C2	259C2	259C2	277A	36B	379B	379B
134D2	8D2	259D2	915D2	277B	36B	386A	386B
134D3	8D2	262	43A	277C	36B	386B	386B
134E2	8D2	263B	268B	278	278A	386B2	386B
134E3	8D2	264C2	134C2	278A	278A	386C	259C2

HANCOCK COUNTY, ILLINOIS --Continued

Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbo	Publication symbol	Field symbol	Publication symbol
386C2	259C2	570B	134B	1451	1070		
386D2	259C2	603	3070	3070	3070		
404	8404	605D2	915D2	3073	3073		
405	8405	605D3	915D2	3074	3451		
415	8415	605E	605E3	3107	3107		
417F	417G	605E2	605E3	3183	3428		
417G	417G	605E3	605E3	3284	3284		
419E	605E3	605F	605E3	3331	3331		
419E3	605E3	605F2	605E3	3333	3333		
428	3428	633	112	3334	3334		
428R	3789	640F	417G	3415	3415		
430	7430	647A	647A	3428	3428		
440A	440B	660C2	660C3	3451	3451		
440B	440B	660C3	660C3	3452	3452		
440C2	440C2	660D2	971D3	3789	3789		
440D3	250D2	660D3	971D3	7257	257A		
451	3451	663	41A	7430	7430		
451+	3451	785C	785C	8070	8070		
452	8452	785G	785G	8071	8071		
470B	43B2	802B	802B	8073	3073		
470B2	43B2	802F	802F	8074	8451		
470C2	470C2	864	864	8077	8077		
470C3	470C2	871G	802F	8088	7439B		
470D2	470C2	874F	874F	8092	8092		
473	440B	915D2	915D2	8107	8107		
474	112	936E2	936F	8109	3334		
475	8304	936F	936F	8162	8162		
504G	785G	936G	936G	8284	8284		
505C2	785C	937F	937F	8302	8162		
505F	417G	937F2	937F	8304	8304		
505G	417G	937G	937G	8404	8404		
516	516	937G2	937G	8405	8405		
549D2	915D2	971D3	971D3	8415	8415		
549F	417G	1070	1070	8430	8077		
549G	417G	1071	1070	8451	8451		
551E2	417G	1076	1070	8452	8452		
551F2	417G	1083	1070	8682	8682		
551F3	417G	1107	1070				
551G	417G	1334	1070				
551G3	417G	1405	1070				

LEGEND OF MAP UNITS IN ALPHABETICAL SEQUENCE
HANCOCK COUNTY, ILLINOIS

Publication symbol	Approved map unit name
259C2	Assumption silt loam, 5 to 10 percent slopes, eroded
7C3	Atlas silty clay loam, 5 to 10 percent slopes, severely eroded
61A	Atterberry silt loam, 0 to 2 percent slopes
61B2	Atterberry silt loam, 2 to 5 percent slopes, eroded
1070	Beaucoup silty clay loam, undrained
3070	Beaucoup silty clay loam, frequently flooded
8070	Beaucoup silty clay loam, occasionally flooded
3334	Birds silt loam, frequently flooded
134B	Camden silt loam, 2 to 5 percent slopes
134C2	Camden silt loam, 5 to 10 percent slopes, eroded
257A	Clarksdale silt loam, 0 to 2 percent slopes
257B	Clarksdale silt loam, 2 to 5 percent slopes
257B2	Clarksdale silt loam, 2 to 5 percent slopes, eroded
660C3	Coatsburg silty clay loam, 5 to 10 percent slopes, severely eroded
3428	Coffeen silt loam, frequently flooded
112	Cowden silt loam
379B	Dakota loam, 1 to 5 percent slopes
8071	Darwin silty clay, occasionally flooded
417G	Derinda silt loam, 30 to 60 percent slopes
874F	Dickinson-Hamburg complex, 10 to 60 percent slopes
386B	Downs silt loam, 2 to 5 percent slopes
119C2	Elco silt loam, 5 to 10 percent slopes, eroded
915D2	Elco-Ursa complex, 10 to 15 percent slopes, eroded
516	Faxon silty clay loam
280D2	Fayette silt loam, 10 to 18 percent slopes, eroded
936F	Fayette-Hickory complex, 15 to 30 percent slopes
936G	Fayette-Hickory complex, 30 to 60 percent slopes
6C2	Fishhook silt loam, 5 to 10 percent slopes, eroded
971D3	Fishhook-Atlas complex, 10 to 15 percent slopes, severely eroded

Publication symbol	Approved map unit name
8162	Gorham silty clay loam, occasionally flooded
3331	Haymond silt loam, frequently flooded
46A	Herrick silt loam, 0 to 2 percent slopes
8D2	Hickory loam, 10 to 18 percent slopes, eroded
8F	Hickory loam, 18 to 30 percent slopes
8G	Hickory loam, 30 to 60 percent slopes
8077	Huntsville silt loam, occasionally flooded
43A	Ipava silt loam, 0 to 2 percent slopes
43B	Ipava silt loam, 2 to 5 percent slopes
43B2	Ipava silt loam, 2 to 5 percent slopes, eroded
440C2	Jasper fine sandy loam, 5 to 10 percent slopes, eroded
440B	Jasper loam, 1 to 5 percent slopes
470C2	Keller silt loam, 5 to 12 percent slopes, eroded
17A	Keomah silt loam, 0 to 2 percent slopes
17B	Keomah silt loam, 2 to 5 percent slopes
17B2	Keomah silt loam, 2 to 5 percent slopes, eroded
785G	Lacrescent cobbly silt loam, 30 to 60 percent slopes
785C	Lacrescent silt loam, 5 to 10 percent slopes
8304	Landes loam, occasionally flooded
647A	Lawler clay loam, bedrock substratum, 0 to 2 percent slopes
3451	Lawson silt loam, frequently flooded
8451	Lawson silt loam, occasionally flooded
8682	Medway loam, occasionally flooded
268B	Mt. Carroll silt loam, 2 to 5 percent slopes
41A	Muscatine silt loam, 0 to 2 percent slopes
41B2	Muscatine silt loam, 2 to 5 percent slopes, eroded
3415	Orion silt loam, frequently flooded
8415	Orion silt loam, occasionally flooded
802B	Orthents, loamy, gently sloping
802F	Orthents, loamy, steep
864	Pits, quarries

HANCOCK COUNTY Continued

Publication symbol	Approved map unit name
7430	Raddle silt loam, rarely flooded
3452	Riley loam, frequently flooded
8452	Riley silt loam, occasionally flooded
3073	Ross silt loam, frequently flooded
279B	Rozetta silt loam, 2 to 5 percent slopes
279C2	Rozetta silt loam, 5 to 10 percent slopes, eroded
68	Sable silty clay loam
8092	Sarpy sand, occasionally flooded
3107	Sawmill silty clay loam, frequently flooded
8107	Sawmill silty clay loam, occasionally flooded
274A	Seaton silt loam, 0 to 2 percent slopes
274D3	Seaton silt loam, 10 to 18 percent slopes, severely eroded
274C2	Seaton silt loam, 5 to 10 percent slopes, eroded
274B	Seaton silt, 2 to 5 percent slopes
937F	Seaton-Hickory complex, 15 to 30 percent slopes
937G	Seaton-Hickory complex, 30 to 60 percent slopes
138	Shiloh silty clay
278A	Stronghurst 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
8284	Tice silt loam, occasionally flooded
3284	Tice silty clay loam, frequently flooded
8404	Titus silty clay loam, occasionally flooded
605E3	Ursa clay loam, 15 to 20 percent slopes, severely eroded
250D2	Velma loam, 10 to 15 percent slopes, eroded
50	Virden silty clay loam
3789	Volney silt loam, bedrock substratum, frequently flooded, overwash
3333	Wakeland silt loam, frequently flooded
37A	Worthen silt loam, 0 to 2 percent slopes
37B	Worthen silt loam, 2 to 5 percent slopes
8405	Zook silty clay loam, occasionally flooded
7439B	Zumbro loamy fine sand, 1 to 5 percent slopes, rarely flooded

16. CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY ANALYSIS

1. Laboratory Data from NSSL

Sampled as	Pedon #	Map sym	Approved
Rozetta	88IL-067-012	279B	Rozetta
Ipava	88IL-067-015	43B2	Ipava
Hickory	88IL-067-025	8F	Hickory
Sable	88IL-067-026	68	Sable

2. Laboratory Data from University of Illinois Pedology Laboratory

Sampled as	Pedon #	Map sym	Approved
Ipava	83IL-067-002	43	Ipava
Port Byron	83IL-067-006	277	Port Byron
Tama	83IL-067-003	36	Tama
Tama	83IL-067-004	36	Tama
Tama	83IL-067-005	36	Tama
Bold	87IL-067-041	35G	Hamburg
Muscatine	87IL-067-049	41A	Muscatine
Onarga	87IL-067-043	150D	Dickinson
Seaton	87IL-067-053	274B	Seaton
Ursa	87IL-067-013	605E3	Ursa
Virden	87IL-067-044	50	Virden
Ipava	88IL-067-015	43B2	Ipava
Joy	88IL-067-007	275A	Muscatine
Muscatine	88IL-067-004	41A	Muscatine
Muscatine	88IL-067-005	41A	Muscatine
Muscatine	88IL-067-008	41A	Muscatine
Muscatine	88IL-067-011	41A	Muscatine
Sable	88IL-067-006	68	Sable
Stronghurst	88IL-067-010	278	Stronghurst
Muscatine	89IL-067-107	41	Muscatine
Muscatine	89IL-067-112	41	Muscatine
Sable	89IL-067-110	68	Sable
Darwin	91IL-067-003	8071	Darwin Taxadjunct
Joy	91IL-067-009	275	Muscatine
Mt. Carroll	91IL-067-008	268B	Mt. Carroll
Port Byron	91IL-067-010	277B	Tama

3. Engineering Test Data from Illinois Department of Transportation

Sampled as	Pedon #	Map sym	Approved
Rozetta	88IL-067-012	279B	Rozetta
Hickory	88IL-067-025	8F	Hickory
Sable	88IL-067-026	68	Sable
Ipava	88IL-067-027	43A	Ipava

Notes on Classification and Correlation
of the Soils of Hancock County, Illinois,
prepared by
Steve Higgins, Resource Soil Scientist.

*Assumption
The soil with the approved name Assumption does not have a mollic epipedon. It classifies as fine-silty, mixed mesic Mollic Hapludalfs and is considered to be a taxadjunct to the series.

*Coatsburg
The soil with the approved name Coatsburg does not have a mollic epipedon. It classifies as a Mollic Haplaquolls, fine, montmorillonitic, mesic, sloping and is considered to be a taxadjunct to the series.

Dakota
Depth to carbonates typically is about 30 inches. RIC for series allows a minimum of 45 inches. Coarse fragments typically are up to 50 percent rather than the maximum 40 percent allowed in the RIC in the lower part of the profile.

Seaton
Secondary carbonates are typically present in the BC horizon of the Seaton part of the Seaton-Hickory complex.

*Ipava
Soils in mapping unit 43B2 -- Ipava silt loam, 2 to 5 percent slopes, eroded do have a mollic epipedon. They classify as Udollic Ochraqualfs, fine, mixed, mesic, and are taxadjuncts to the series.

*Jasper
Soils in mapping unit 440C2 -- Jasper fine sandy loam, 5 to 10 percent slopes, eroded do not have a mollic epipedon. They classify as fine-loamy, mixed, mesic Mollic Hapludalfs. Also, The BC horizon is typically thicker than the series range allows. This map unit is a taxadjunct to the series.

*Keller
The soil with the approved name Keller does not have a mollic epipedon. It classifies as fine-silty, mixed, mesic Udollic Ochraqualfs, and are taxadjuncts to the series.

Lawler
These soils are less acid in the control section than the series range allows and are calcareous in the BC and 2C horizons.

Medway
This solum is 3 inches thicker than the defined range of the series.

*Muscatine
The soil with the approved name Muscatine has an argillic horizon. It classifies as fine-silty, mixed, mesic Aquic Argiudolls.

Also, soils in mapping unit 41B2 -- Muscatine silt loam, 2 to 5 percent slopes, eroded do not have a mollic epipedon. They classify as fine-silty, mixed, mesic Udollic Ochraqualfs.

Raddle

The BC horizon has colors redder than defined for the series.

*Tama

Soils in mapping unit 36B2 -- Tama silt loam, 2 to 5 percent slopes, eroded do not have a mollic epipedon. They classify as fine-silty, mixed, mesic Mollic Hapludalfs, and are taxadjuncts to the series.

*Velma

The soil with the approved name Velma does not have a mollic epipedon. It classifies as fine-loamy, mixed mesic Mollic Hapludalfs and is considered to be a taxadjunct to the series.

18. CLASSIFICATION OF THE SOILS OF HANCOCK COUNTY, ILLINOIS

(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
Atlas	Fine, montmorillonitic, mesic, sloping Aeric Ochraqualfs
Atterberry	Fine-silty, mixed, mesic Udollic Ochraqualfs
Beaucoup	Fine-silty, mixed, mesic Fluvaquentic Haplaquolls
Birds	Fine-silty, mixed, nonacid, mesic Typic Fluvaquents
Camden-	Fine-silty, mixed, mesic Typic Hapludalfs
Clarksdale	Fine, montmorillonitic, mesic Udollic Ochraqualfs
*Coatsburg-	Fine, montmorillonitic, mesic, sloping Typic Argiaquolls
Coffeen	Coarse-silty, mixed, mesic Fluvaquentic Hapludolls
Cowden-	Fine, montmorillonitic, mesic Mollic Albaqualfs
Dakota-	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Typic Argiudolls
Darwin-	Fine, montmorillonitic, mesic Vertic Haplaquolls
Derinda	Fine, mixed, mesic Typic Hapludalfs
Dickinson-	Coarse-loamy, mixed, mesic Typic Hapludolls
Downs	Fine-silty, mixed, mesic Mollic Hapludalfs
Elco	Fine-silty, mixed, mesic Typic Hapludalfs
Faxon	Fine-loamy, mixed, mesic Typic Haplaquolls
Fayette	Fine-silty, mixed, mesic Typic Hapludalfs
Fishhook	Fine-silty, mixed, mesic Aquic Hapludalfs
Gorham-	Fine-silty, mixed, mesic Fluvaquentic Haplaquolls
Hamburg	Coarse-silty, mixed (calcareous), mesic Typic Udorthents
Haymond	Coarse-silty, mixed, nonacid, mesic Typic Udifluvents
Herrick	Fine, montmorillonitic, mesic Aquic Argiudolls
Hickory	Fine-loamy, mixed, mesic Typic Hapludalfs
Huntsville	Fine-silty, mixed, mesic Cumulic Hapludolls
Ipava	Fine, montmorillonitic, mesic Aquic Argiudolls
Jasper-	Fine-loamy, mixed, mesic Typic Argiudolls
*Keller-	Fine-silty, mixed, mesic Aquic Argiudolls
Keomah-	Fine, montmorillonitic, mesic Aeric Ochraqualfs
Lacrescent	Loamy-skeletal, mixed, mesic Typic Hapludolls
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
Medway-	Fine-loamy, mixed, mesic Fluvaquentic Hapludolls
Mt. Carroll	Fine-silty, mixed, mesic Mollic Hapludalfs
*Muscatine-	Fine-silty, mixed, mesic Aquic Hapludolls
Orion	Coarse-silty, mixed, nonacid, mesic Aquic Udifluvents
Orthents	Fine-loamy, mixed, mesic Typic Udorthents
Raddle-	Fine-silty, mixed, mesic Typic Hapludolls
Riley	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Fluvaquentic Hapludolls
Ross Variant	Fine-loamy, mixed, mesic Cumulic Hapludolls
Rozetta	Fine-silty, mixed, mesic Typic Hapludalfs
Sable	Fine-silty, mixed, mesic Typic Haplaquolls
Sarpy	Mixed, mesic Typic Udipsamments

HANCOCK COUNTY Continued.

Soil name	Family or higher taxonomic class
Sawmill	Fine-silty, mixed, mesic Cumulic Haplaquolls
Seaton-	Fine-silty, mixed, mesic Typic Hapludalfs
Shiloh-	Fine, montmorillonitic, mesic Cumulic Haplaquolls
Sparta-	Sandy, mixed, mesic Entic Hapludolls
Stronghurst	Fine-silty, mixed, mesic Aeric Ochraqualfs
Tama	Fine-silty, mixed, mesic Typic Argiudolls
Tice	Fine-silty, mixed, mesic Fluvaquentic Hapludolls
Titus	Fine, montmorillonitic, mesic Fluvaquentic Haplaquolls
Ursa	Fine, montmorillonitic, mesic Typic Hapludalfs
*Velma	Fine-loamy, mixed, mesic Typic Argiudolls
Virden-	Fine, montmorillonitic, mesic Typic Argiaquolls
Volney-	Loamy-skeletal, mixed, mesic Cumulic Hapludolls
Wakeland	Coarse-silty, mixed, nonacid, mesic Aeric Fluvaquents
Worthen	Fine-silty, mixed, mesic Cumulic Hapludolls
Zook	Fine, montmorillonitic, mesic Cumulic Haplaquolls

19. Correlation Approved: March, 1993

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