Original
Scott

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
301 NORTH RANDOLPH STREET
CHAMPAIGN, ILLINOIS 61820

# CLASSIFICATION AND CORRELATION OF THE SOILS OF EFFINGHAM COUNTY, ILLINOIS

JULY 1985

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JULY 1985

This correlation was prepared by J. Wiley Scott, Assistant State Soil Scientist, in July, 1985. Decisions in this field correlation are based upon data, soil correlation samples, soil maps, field review reports, field notes, and the draft of the manuscript. Robert I Turner, soil correlator on the soils staff at MNTC, and Ivan J. Jansen, Associate Professor of Pedology at the University of Illinois, participated in the comprehensive field review the week of July 11-15, 1983.

Headnote for Detailed Soil Survey Legend:

Map symbols consist of numbers or a combination of numbers and letters. The initial numbers represent the kind of soil or miscellaneous area. 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
EFFINGHAM COUNTY, ILLINOIS

| Field symbols | Field map unit name | Recommended symbol | Recommended map unit name |
|---|---|---|---|
| 2 | Cisne silt loam | 2 | Cisne silt loam |
| 3A | Hoyleton silt loam, 0 to 2 percent slopes | 3A | Hoyleton silt loam, 0 to 2 percent slopes |
| 3B | Hoyleton silt loam, 2 to 7 percent slopes | 3B | Hoyleton silt loam, 2 to 7 percent slopes |
| 7C2, 5C2 | Atlas loam, 4 to 12 percent slopes, eroded | 7C2 | Atlas silt loam, 4 to 12 percent slopes, eroded |
| 7C3, 5C3 | Atlas silty clay loam, 4 to 12 percent slopes, severely eroded | 7C3 | Atlas silty clay loam, 4 to 12 percent slopes, severely eroded |
| 8D2 | Hickory loam, 10 to 15 percent slopes, eroded | 8D2 | Hickory silt loam, 10 to 15 percent slopes, eroded |
| 8E | Hickory loam, 15 to 20 percent slopes | 8E | Hickory loam, 15 to 20 percent slopes |
| 8F | Hickory loam, 20 to 50 percent slopes | 8F | Hickory loam, 20 to 50 percent slopes |
| 12 | Wynoose silt loam | 12 | Wynoose silt loam |
| 13A | Bluford silt loam, 0 to 2 percent slopes | 13A | Bluford silt loam, 0 to 2 percent slopes |
| 13B | Bluford silt loam, 2 to 5 percent slopes | 13B | Bluford silt loam, 2 to 5 percent slopes |
| 14B | Ava silt loam, 1 to 5 percent slopes | 14B | Ava silt loam, 1 to 5 percent slopes |
| 14C2 | Ava silt loam, 5 to 12 percent slopes, eroded | 14C2 | Ava silt loam, 5 to 12 percent slopes, eroded |
| 15B, 6014B | Parke silt loam, 1 to 5 percent slopes | 15B | Parke silt loam, 1 to 5 percent slopes |

| Field symbols | Field map unit name | Recommended symbol | Recommended map unit name |
|---|---|---|---|
| 15C2, 6014C | Parke silt loam, 5 to 10 percent slopes, eroded | 15C2 | Parke silt loam, 5 to 10 percent slopes, eroded |
| 48 | Ebbert silt loam | 48 | Ebbert silt loam |
| 120A | Huey silt loam, 0 to 2 percent slopes | 120 | Huey silt loam |
| 134B, 134A, 132, 131B | Camden silt loam, 1 to 5 percent slopes | 134B | Camden silt loam, 1 to 5 percent slopes |
| 134C2 | Camden silt loam, 5 to 10 percent slopes, eroded | 134C2 | Camden silt loam, 5 to 10 percent slopes, eroded |
| 138 | Shiloh silty clay loam | 138 | Shiloh silty clay loam |
| 218 | Newberry silt loam | 218 | Newberry silt loam |
| 225, 424, 428, 334, 288, 333, 70, 451 | Holton silt loam | 225 | Holton silt loam |
| 226 | Wirt loam | 226 | Wirt loam |
| 581A | Tamalco silt loam, 0 to 2 percent slopes | 581 | Tamalco silt loam |
| 620B, 120B2, 581B2, 620B2 | Darmstadt silt loam, 2 to 5 percent slopes | 584B2 | Grantfork silty clay loam, 2 to 5 percent slopes, eroded |
| 620A | Darmstadt silt loam, 0 to 2 percent slopes | 620 | Darmstadt silt loam |

Series Established By This Correlation:
None

Series Dropped or Made Inactive:
None

Certification Statement:

The state soil scientist certifies that:

1. Mapping is complete

2. There are no completed modern soil surveys joining Effingham County. Project surveys are underway in Fayette, Shelby, and Jasper Counties. Copies of the field sheets from Effingham County have been provided to all these counties. The general soil map is completed and has three soil associations.

3. Soil interpretations are coordinated.

4. The typical pedons are all accurately located and are in deleations of areas using those reference names.

Verification of Exact Cooperators 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 listed on the front cover and in addition: "It is part of the technical assistance provided to the Effingham County Soil and Water Conservation District. The cost was shared by the Effingham County Board and the Illinois Department of Agriculture. This soil survey is Illinois Agricultural Experiment Station Soil Report No. 133."

Disposition of Field Sheets:

The soil maps have been complied at a scale of 1:15840. All complied maps, field sheets and other map materials, including the names overlay, are in the map finishing unit at the state office.

Prior Soil Survey Publication:

The first soil survey of Effingham County was published in 1931. Norton, E.A., R.S. Smith, E.E. De Turk, F.C. Bauer, and L.H. Smith, 1931. Effingham County Soils, University of Illinois Agricultural Experiment Station Soil Report 48. 55 pp., illustrated. This survey updates the first survey and provides additional information and larger maps that show soils in greater detail.

Instruction for Map Finishing:

Map finishing will be done at the map finishing unit at the state office using the soil identification legend, symbols legend, and conversion legend approved at the final correlation conference. Symbols for map finishing should not be ordered until after the final correlation.

SCS-SOILS-37A
3-75

# CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Soil Survey Area: EFFINGHAM COUNTY
State: ILLINOIS

Date: July 25, 1985

| 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

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

ROAD EMBLEMS & DESIGNATIONS

Interstate 66

Federal 287

State 52

RAILROAD

LEVEES

DAMS

Large (to scale)

Medium or small

PITS

Gravel pit

## CULTURAL FEATURES (cont.)

MISCELLANEOUS CULTURAL FEATURES

Church

School

Wells, oil or gas

## WATER FEATURES

DRAINAGE

Perennial, single line

Intermittent

Drainage end

Canals or ditches

Drainage and/or irrigation

LAKES, PONDS AND RESERVOIRS

Perennial water w

MISCELLANEOUS WATER FEATURES

## SPECIAL SYMBOLS FOR SOIL SURVEY

SOIL DELINEATIONS AND SOIL SYMBOLS

ESCARPMENTS 2 3A

Other than bedrock (points down slope)

SHORT STEEP SLOPE

SOIL SAMPLE SITE (normally not shown) S

MISCELLANEOUS

Gumbo, slick or scabby spot (sodic) ø

Rock outcrop (includes sandstone and shale) V

Sandy spot

Severely eroded spot

RECOMMENDED AD HOC SOIL SYMBOLS

Oil-waste land ⊕

Effingham County, Illinois
July 25, 1985

# GUIDELINES FOR USE OF CONVENTIONAL AND SPECIAL SYMBOLS

| | |
|---|---|
| Church, School | To be shown only in rural areas. These will not be shown in town and communities of more than 100 population. |
| Drainage Ditch | Non-crossable dug ditches more than 2 feet deep. Does not include grass waterways. |
| Escarpment | Elevation change of at least 15 feet in an area too narrow to delineate, and the soil above and below is two slope classes less. |
| Short steep slope | Very narrow areas with a slope usually between 8 and 12 percent, farmable. Generally represents a drop in elevation from one terrace level to another or from terrace to bottomland. Soil above and below is nearly level or gently sloping. |
| Gumbo, slick or scabby spot (Sodic) | Shown on level areas in non-sodic map units where sodium spots in the surface layer comprise less than 10 percent of the map unit. Also shown in drainageways where sodium has been exposed by erosion. If vegetation is present it will show signs of stress due to the soil's high sodium content. Typically 0.5 to 2 acres in size. |
| Rock Outcrop | Commonly is hard, fine grained sandstone or limestone. Includes shale in some areas. Typically less than 0.25 to 2 acres in size. |

Effingham County, Illinois
July 25, 1985

# GUIDELINES FOR USE OF CONVENTIONAL AND SPECIAL SYMBOLS

| | |
|---|---|
| Sandy spot | Surface layer texture is loamy sand or sand surrounded by a map unit with surface texture of loam, silt loam or finer. Typically 0.5 to 2 acres in size. |
| Severely eroded spot | Small severely eroded areas surrounded by an uneroded map unit. Typically less than 0.5 to 1 acre in size. |
| Oil-waste land | Areas where liquid oily wastes have accumulated. It includes slush pits and adjacent areas affected by the liquid wastes, principally salt water and oil. Typically 0.5 to 5 acres in size. |

## Special instructions

1. Only numbered state, federal, and interstate highways will be shown.
2. Railroads will be shown but will not be named.
3. Minimum sizes to be shown.

| Feature | Minimum size |
|---|---|
| Cemetery | 2.5 acres |
| Small ponds | 0.5 acres |

## 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 |
|---|---|
| 2 | Cisne silt loam (where drained) |
| 3A | Hoyleton silt loam, 0 to 2 percent slopes |
| 3B | Hoyleton silt loam, 2 to 7 percent slopes |
| 13A | Bluford silt loam, 0 to 2 percent slopes (where drained) |
| 13B | Bluford silt loam, 2 to 5 percent slopes |
| 14B | Ava silt loam, 1 to 5 percent slopes |
| 15B | Parke silt loam, 1 to 5 percent slopes |
| 48 | Ebbert silt loam (where drained) |
| 134B | Camcen silt loam, 1 to 5 percent slopes |
| 138 | Shiloh silty clay loam (where drained) |
| 218 | Newberry silt loam (where drained) |
| 225 | Holton silt loam (where drained and either protected from flooding or not frequently flooded during the growing season) |
| 226 | Wirt loam (where protected from flooding or not frequently flooded during the growing season) |

Approved

Date: August 6, 1985

Earl E. Voss

Earl E. Voss
State Soil Scientist
Soil Conservation Service
U.S. Department of Agriculture
Champaign, Illinois

Aug 7, 85

Dr. Ivan J. Jansen
Associate Professor of Pedology
Department of Agronomy
University of Illinois
Champaign, Illinois

# CONVERSION LEGEND FOR EFFINGHAM COUNTY, ILLINOIS

| Field symbol | Recommended symbol | Field symbol | Recommended symbol | Field symbol | Recommended symbol | Field symbol | Recommended symbol |
|---|---|---|---|---|---|---|---|
| 2 | 2 | 620B2 | 584B2 | | | | |
| 3A | 3A | 6014B | 15B | | | | |
| 3B | 3B | 6014C | 15C2 | | | | |
| 5C2 | 7C2 | | | | | | |
| 5C3 | 7C3 | | | | | | |
| 7C2 | 7C2 | | | | | | |
| 7C3 | 7C3 | | | | | | |
| 8D2 | 8D2 | | | | | | |
| 8E | 8E | | | | | | |
| 8F | 8F | | | | | | |
| 12 | 12 | | | | | | |
| 13A | 13A | | | | | | |
| 13B | 13B | | | | | | |
| 14B | 14B | | | | | | |
| 14C2 | 14C2 | | | | | | |
| 15B | 15B | | | | | | |
| 15C2 | 15C2 | | | | | | |
| 48 | 48 | | | | | | |
| 70 | 225 | | | | | | |
| 120A | 120 | | | | | | |
| 120B2 | 584B2 | | | | | | |
| 131B | 134B | | | | | | |
| 132 | 134B | | | | | | |
| 134A | 134B | | | | | | |
| 134B | 134B | | | | | | |
| 134C2 | 134C2 | | | | | | |
| 138 | 138 | | | | | | |
| 218 | 218 | | | | | | |
| 225 | 225 | | | | | | |
| 226 | 226 | | | | | | |
| 288 | 225 | | | | | | |
| 333 | 225 | | | | | | |
| 334 | 225 | | | | | | |
| 424 | 225 | | | | | | |
| 428 | 225 | | | | | | |
| 451 | 225 | | | | | | |
| 581A | 581 | | | | | | |
| 581B2 | 584B2 | | | | | | |
| 620A | 620 | | | | | | |
| 620B | 584B2 | | | | | | |

The legend of map units according to alphabetical sequence has not been included. It can be generated from the file of SCS-SOI-6 by MNTC.

Ebbert — Need
Hickory —
Grantfork 84 [illegible]

| | | | |
|---|---|---|---|
| Holton (Shoals) (~~extra pedons~~) T.P. 801L-049-27 | | | ✓ |
| Ava - 14C2 | 83 | 15 | |
| Hickory 8E | | 16 | |
| Camden 134C2 | | 17 | |
| Hickory 8D2 | | 18 | |
| Ava (extra 14B) | 83 | 1 | ✓ |
| Atlas (Blair) (extra 7C2) | | 2 | ✓ |
| Darmstadt (extra 620A) | | 4 | ✓ |
| Ava - T.P. 14B | | 7 | |
| Ava - (extra 14B) | 84 | 1 | ✓ |
| Hoyleton (~~extra~~ 3B) MU | | 3 | |
| Bl[illegible] (BB) MU. | | 4 | |

Effingham County, Illinois

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 |
|---|---|---|---|
| Blair | 83IL-049-6 | 7C2 | Atlas(1) |
| Blair | 82IL-049-11 | 7C2 | Atlas taxadjunct; Fine-loamy, mixed, mesic, sloping Aeric Ochraqualf. Mapped as inclusion in Atlas. |
| Camden | 80IL-049-48 | 134B | Camden(1) |
| Cisne | 82IL-049-9 | 2 | Cisne taxadjunct; Fine, montmorillonitic, mesic Typic Albaqualf. Thin dark colored surface layer. Mapped as inclusion map unit 2. |
| Shoals | 82IL-049-1 | 225 | Holton taxadjunct; Coarse-loamy, mixed, nonacid, mesic Aquic Udifluvent. |
| Hoyleton | 80IL-049-4 | 3A | Hoyleton(1) |
| Newberry | 83IL-049-5 | 218 | Newberry(1) |
| Parke | 83IL-049-13 | 15C2 | Parke(2) |
| Shiloh | 61IL-049-4 | 138 | Shiloh(1) |
| Tamalco | 83IL-049-3 | 581 | Tamalco(1) |
| Wynoose | 82IL-049-7 | 12 | Wynoose |

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

| | | | |
|---|---|---|---|
| Blair | 83IL-049-6 | 7C2 | Atlas(1) |
| Blair | 82IL-049-11 | 7C2 | Atlas taxadjunct; Fine-loamy, mixed, mesic, sloping Aeric Ochraqualf. Mapped as inclusion in Atlas. |
| Blair | 81IL-049-21 | 7C3 | Atlas taxadjunct; Fine-loamy, mixed, mesic, sloping Aeric Ochraqualf. |
| Blair | 81IL-049-6 | 7C3 | Atlas taxadjunct(2); Fine-loamy, mixed, mesic, sloping Aeric Ochraqualf. |

| Sampled as | Pedon Sample No. | Publication Symbol | Approved Series Name or Classification |
|---|---|---|---|
| Blair | 81IL-049-5 | 7C3 | Atlas taxadjunct; has high pH in the lower part of the solum. Mapped as inclusion in 7C3. |
| Bluford | 81IL-049-2 | 13A | Bluford(1) |
| Cisne | 80IL-049-6 | 2 | Cisne(1) - Organic carbon data only. |
| Cisne | 81IL-049-13 | 2 | Cisne |
| Cisne | 80IL-049-12 | 2 | Cisne - Organic carbon data only. |
| Darmstadt | 82IL-049-12 | 620A | Darmstadt(1) |
| Darmstadt | 81IL-049-14 | 620A | Darmstadt taxadjunct; Fine-silty, mixed, mesic Typic Natraqualf. Mapped as inclusion in 620A. |
| Huey | 80IL-049-11 | 620A | Darmstadt |
| Shoals | 82IL-049-1 | 225 | Holton taxadjunct; Coarse-loamy, mixed, nonacid, mesic Aquic Udifluvent. |
| Coffeen | 82IL-049-2 | 225 | Holton taxadjunct; Coarse-loamy, mixed, nonacid, mesic Aquic Udifluvent. |
| Richview | 61IL-049-2 | 3B | Hoyleton |
| Huey | 80IL-049-28 | 120 | Huey |
| Newberry | 83IL-049-5 | 218 | Newberry(1) |
| Parke | 83IL-049-13 | 15C2 | Parke(2) |
| Ava | 80IL-049-1 | 15B | Parke(1) - Data on partial pedon. |
| Shiloh | 61IL-049-4 | 138 | Shiloh(1) |
| Tamalco | 83IL-049-3 | 581 | Tamalco(1) |
| Genessee | 82IL-049-4 | 226 | Wirt(1) |
| Raddle | 80IL-049-49 | 226 | Wirt taxadjunct; Coarse-loamy, mixed, nonacid, mesic Mollic Udifluvent. Mapped as inclusion in Wirt. |
| Raddle | 82IL-049-3 | 226 | Wirt taxadjunct; Coarse-loamy, mixed, nonacid, mesic Mollic Udifluvent. Mapped as inclusion in Wirt. |
| Wynoose | 81IL-049-15 | 12 | Wynoose taxadjunct; Solum formed entirely in loess and lacks a 2B horizon. Mapped as inclusion in Wynoose. |

Turner named it Rushville.

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 |
|---|---|---|---|
| Blair | 83IL-049-6 | 7C2 | Atlas(1) |
| Blair | 82IL-049-11 | 7C2 | Atlas taxadjunct; Fine-loamy, mixed, mesic, sloping Aeric Ochraqualf. Mapped as inclusion in Atlas. |
| Camden | 80IL-049-48 | 134B | Camden(1) |
| Cisne | 82IL-049-9 | 2 | Cisne taxadjunct; Fine, montmorillonitic, mesic Typic Albaqualf. Thin dark colored surface layer. Mapped as inclusion map unit 2. |
| Shoals | 82IL-049-1 | 225 | Holton taxadjunct; Coarse-loamy, mixed, nonacid, mesic Aquic Udifluvent. |
| Hoyleton | 80IL-049-4 | 3A | Hoyleton(1) |
| Newberry | 83IL-049-5 | 218 | Newberry(1) |
| Parke | 83IL-049-13 | 15C2 | Parke(2) |
| Shiloh | 61IL-049-4 | 138 | Shiloh(1) |
| Tamalco | 83IL-049-3 | 581 | Tamalco(1) |
| Wynoose | 821IL-049-7 | 12 | Wynoose |

4. Other data from Pedology Laboratory, University of Illinois, not to be published in the National Pedon Data File.

| | | | |
|---|---|---|---|
| Bluford | 81IL-049-1 | 13B | Bluford taxadjunct; Fine-silty, mixed, mesic Aeric Ochraqualf. Mapped as inclusion in 13B. |
| Alvin | 80IL-049-3 | 134B | Camden taxadjunct; Fine-loamy, mixed, mesic Typic Hapludalf. Mapped as inclusion in Camden. |
| Cisne Variant | 80IL-049-22 | 2 | Cisne Variant - 8% exchangeable sodium at 35 inches. Mapped as inclusion in map unit 2. |
| Darmstadt | 80IL-049-30 | 13A | Coulterville - Mapped as inclusion in Bluford 13A. |
| Hickory | 80IL-049-2 | 8F | Hickory taxadjunct; only E horizon sampled - too sandy for Hickory. |
| Unnamed | 81IL-049-4 | 225 | Series unspecified - Mapped as inclusion in Holton. |

| Sampled as | Pedon Sample No. | Publication Symbol | Approved Series Name or Classification |
|---|---|---|---|
| Wynoose | 80IL-049-23 | 12 | Wynoose - Organic carbon data only mapped as inclusion in Wynoose. |
| Wynoose | 80IL-049-29 | 12 | Wynoose - Organic carbon data only mapped as inclusion in Wynoose. |

(1) Typical pedon
(2) Representative pedon for map unit

Notes to Accompany the
Classification and Correlation
of the Soils of
Effingham County, Illinois
by
J. Wiley Scott

ATLAS SERIES
The soils in map unit 7C3 are taxadjuncts to the Atlas series because they are fine-loamy, mixed, mesic, sloping Aeric Ochraqualfs.

AVA SERIES
These soils are taxadjuncts to the Ava series because they do not have a Bx horizon within a depth of one meter below the soil surface, and the structure in the Bx horizon is too fine to meet the criteria of Fragiudalfs. These soils are fine-silty, mixed, mesic Typic Hapludalfs.

BLUFORD SERIES

CAMDEN SERIES 134C2 = Taxadjunct : Fine-Loamy

CISNE SERIES

DARMSTADT SERIES

EBBERT SERIES
The typical pedon is the type location for the Ebbert Series.

GRANTFORK SERIES

HICKORY SERIES
The soils in map unit 8D2 have reaction in the lower part of the solum higher than defined for the Hickory series. The soils in map unit 8E have somewhat less sand in the Bt horizon, and have lower reaction in the lower part of the solum than defined for the Hickory series.

HOLTON SERIES Pedon 80IL-049-27

HOYLETON SERIES
The soils in map unit 3B have higher reaction in the lower part of the solum than defined for the Hoyleton series.

HUEY SERIES
The typical pedon is the type location of the Huey series.

NEWBERRY SERIES

PARKE SERIES
These soils have 10YR 3/3 moist and 10YR 6/3 dry color in a surface layer less than 6 inches in thickness, and are silt loam in the 2Bt3 horizon; these properties are outside the defined range of the Parke series. The soils in map unit 15C2 have hue of 5YR in the upper material (loess); that is outside

the defined range of the Parke series.

SHILOH SERIES
The typical pedon is the type location of the Shiloh series.

TAMALCO SERIES
These soils have yellower hue and more mottles in the upper part of the Bt horizon, lower reaction along with high concentration of sodium in the lower part of the Bt horizon, and higher chroma in the matrix of the BC horizon than defined for the Tamalco series. See Rev. Draft 2/86.

WIRT SERIES

WYNOOSE SERIES
The typical pedon is the type location of the series.

## 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 |
|---|---|
| *Atlas | Fine, montmorillonitic, mesic, sloping Aeric Ochraqualfs |
| *Ava | Fine-silty, mixed, mesic Typic Fragiudalfs |
| Bluford | Fine, montmorillonitic, mesic Aeric Ochraqualfs |
| *Camden | Fine-silty, mixed, mesic Typic Hapludalfs |
| Cisne | Fine, montmorillonitic, mesic Mollic Albaqualfs |
| Darmstadt | Fine-silty, mixed, mesic Albic Natraqualfs |
| Ebbert | Fine-silty, mixed, mesic Argiaquic Argialbolls |
| Grantfork | Fine-loamy, mixed, mesic, sloping Aeric Haplaquepts |
| Hickory | Fine-loamy, mixed, mesic Typic Hapludalfs |
| Holton | Coarse-loamy, mixed, nonacid, mesic Aeric Fluvaquents |
| Hoyleton | Fine, montmorillonitic, mesic Aquollic Hapludalfs |
| Huey | Fine-silty, mixed, mesic Typic Natraqualfs |
| Newberry | Fine-silty, mixed, mesic Mollic Ochraqualfs |
| Parke | Fine-silty, mixed, mesic Ultic Hapludalfs |
| Shiloh | Fine, montmorillonitic, mesic Cumulic Haplaquolls |
| Tamalco | Fine, montmorillonitic, mesic Typic Natrudalfs |
| Wirt | Coarse-loamy, mixed, nonacid, mesic Typic Udifluvents |
| Wynoose | Fine, montmorillonitic, mesic Typic Albaqualfs |