STATE OFFICE COPY

# CLASSIFICATION AND CORRELATION OF THE SOILS OF

# PIKE COUNTY INDIANA

## AUGUST 1983

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

UNITED STATES DEPARTMENT OF AGRICULTURE
Soil Conservation Service
Midwest National Technical Center
Lincoln, Nebraska 68501

# Classification and Correlation of the Soils of Pike County, Indiana

The field classification and correlation was reviewed by Rodney F. Harner in Lincoln, Nebraska, during the week of October 25, 1982. Supporting documentation available were the soil handbook and laboratory data.

The field correlation and final field review for the soil survey of Pike County, Indiana, was held at Petersburg, Indiana, August 9-12, 1982. Participating in the final field review were Kendall M. McWilliams, soil survey party leader; Gary R. Struben and Curtis Crafton, party members; and H. Raymond Sinclair, Jr., Indianapolis, State Office. The data review consisted of the first draft of the soil survey manuscript, correlation samples, field sheets, map unit notes, laboratory data, and SCS-SOILS-5 forms. Rodney F. Harner, soil correlator, MNTC, participated in the comprehensive field review on March 9-12, 1982.

Headnote for Detailed Soil Survey Legend:
Map symbols consist of a combination of letters or of letters and numbers. The first capital letter is the initial one of the map unit name. The lowercase letter that follows separates map units having names that begin with the same letter, except that it does not separate sloping or eroded phases. The second capital letter indicates the class of slope. Symbols without a slope letter are for nearly level soils or miscellaneous areas. A final number of 2 indicates that the soil is moderately eroded and 3 that it is severely eroded.

| Field Symbol | Field Map Unit Name | Publication Symbol | Approved Map Unit Name |
|---|---|---|---|
| AlA<br>AdA | Alford silt loam, 0 to 2 percent slopes | AdA | Alford silt loam, 0 to 2 percent slopes |
| AdB2<br>AlB2 | Alford silt loam, 2 to 6 percent slopes, eroded | AdB2 | Alford silt loam, 2 to 6 percent slopes, eroded |
| AdC2<br>AlC2<br>AlC3<br>AdC3 | Alford silt loam, 6 to 12 percent slopes, eroded | AdC2 | Alford silt loam, 6 to 12 percent slopes, eroded |
| AnB | Alvin fine sandy loam, 2 to 6 percent slopes | AnB | Alvin fine sandy loam, 2 to 6 percent slopes |
| AoC, AnC, AnD, BlC, BlD | Alvin-Bloomfield complex, 6 to 15 percent slopes | AoC | Alvin-Bloomfield complex, 6 to 15 percent slopes |
| Ar | Armiesburg silty clay loam, occasionally flooded | Ar | Armiesburg silty clay loam, occasionally flooded |
| Ay<br>Ly | Ayrshire fine sandy loam, loamy substratum | Ay | Ayrshire fine sandy loam, loamy substratum |
| Ba | Bartle silt loam | Ba | Bartle silt loam |
| Bb<br>Pb | Beaucoup silty clay loam, frequently flooded | Bb | Beaucoup silty clay loam, frequently flooded |
| Bf<br>Sn | Belknap silt loam, rarely flooded | Bf | Belknap silt loam, rarely flooded |
| St<br>Bg | Stendal silt loam, frequently flooded | Bg | Belknap silt loam, frequently flooded |
| Bc<br>Ev<br>Bh | Birds silt loam, occasionally flooded | Bh | Birds silt loam, occasionally flooded |
| Bd<br>Bk | Birds silt loam, frequently flooded | Bk | Birds silt loam, frequently flooded |
| BlF | Bloomfield loamy fine sand, 25 to 50 percent slopes | BlF | Bloomfield loamy fine sand, 25 to 50 percent slopes |
| Bo | Bonnie silt loam, frequently flooded | Bo | Bonnie silt loam, frequently flooded |

| Field Symbol | Field Map Unit Name | Publication Symbol | Approved Map Unit Name |
|---|---|---|---|
| Bp | Bonnie silt loam, ponded | Bp | Bonnie silt loam, ponded |
| C1F | Chetwynd silt loam, 25 to 50 percent slopes | C1F | Chetwynd silt loam, 25 to 50 percent slopes |
| DbA | Dubois silt loam, 0 to 2 percent slopes | DbA | Dubois silt loam, 0 to 2 percent slopes |
| Du | Dumps, mine | Du | Dumps, mine |
| EkA<br>EkB | Elkinsville silt loam, 0 to 2 percent slopes | EkA | Elkinsville silt loam, 0 to 2 percent slopes |
| FaB<br>OrB | Fairpoint silt loam, reclaimed, 1 to 15 percent slopes | FaB | Fairpoint silt loam, reclaimed, 1 to 15 percent slopes |
| FbC<br>FaC<br>OrC | Fairpoint-Bethesda complex, 8 to 15 percent slopes | FbC | Fairpoint-Bethesda complex, 8 to 15 percent slopes |
| FbG<br>OrG | Fairpoint-Bethesda complex, 25 to 90 percent slopes | FbG | Fairpoint-Bethesda complex, 25 to 70 percent slopes |
| GnE, G1E, G1E2, GnD | Gilpin silt loam, 15 to 30 percent slopes | GnE | Gilpin silt loam, 15 to 30 percent slopes |
| GnE3<br>GuD<br>G1D3 | Gilpin silt loam, 15 to 25 percent slopes, severely eroded | GnE3 | Gilpin silt loam, 15 to 25 percent slopes, severely eroded |
| GoF<br>WeF | Gilpin-Berks loams, 25 to 50 percent slopes | GoF | Gilpin-Berks loams, 25 to 50 percent slopes |
| HbB<br>HbB2 | Haubstadt silt loam, 1 to 6 percent slopes | HbB | Haubstadt silt loam, 1 to 6 percent slopes |
| Hd<br>Ha | Haymond silt loam, frequently flooded | Hd | Haymond silt loam, frequently flooded |
| HeA<br>MkB2 | Henshaw silt loam, 0 to 3 percent slopes | HeA | Henshaw silt loam, 0 to 3 percent slopes |
| HkF<br>HkE<br>OxF | Hickory silt loam, 18 to 50 percent slopes | HkF | Hickory silt loam, 18 to 50 percent slopes |
| HoA | Hosmer silt loam, 0 to 2 percent slopes | HoA | Hosmer silt loam, 0 to 2 percent slopes |

| Field Symbol | Field Map Unit Name | Publication Symbol | Approved Map Unit Name |
|---|---|---|---|
| HoB2 | Hosmer silt loam, 2 to 6 percent slopes, eroded | HoB2 | Hosmer silt loam, 2 to 6 percent slopes, eroded |
| HoC3<br>HoC2 | Hosmer silt loam, 6 to 12 percent slopes, severely eroded | HoC3 | Hosmer silt loam, 6 to 12 percent slopes, severely eroded |
| HoD3<br>HoD2 | Hosmer silt loam, 12 to 18 percent slopes, severely eroded | HoD3 | Hosmer silt loam, 12 to 18 percent slopes, severely eroded |
| Hu<br>Ro | Huntsville silt loam, rarely flooded | Hu | Huntsville silt loam, rarely flooded |
| IoA<br>SyA | Iona silt loam, 0 to 2 percent slopes | IoA | Iona silt loam, 0 to 2 percent slopes |
| IvA | Iva silt loam, 0 to 2 percent slopes | IvA | Iva silt loam, 0 to 2 percent slopes |
| Ln | Linside silt loam, frequently flooded | Ln | Linside silt loam, frequently flooded |
| MbC3<br>MkC3 | Markland silty clay loam, 6 to 15 percent slopes, severely eroded | MbC3 | Markland silty clay loam, 6 to 15 percent slopes, severely eroded |
| MgA | McGary silty clay loam, 0 to 2 percent slopes | MgA | McGary silty clay loam, 0 to 2 percent slopes |
| Mt | Montgomery silty clay | Mt | Montgomery silty clay |
| MuA | Muren silt loam, 0 to 2 percent slopes | MuA | Muren silt loam, 0 to 2 percent slopes |
| No | Nolin silty clay loam, frequently flooded | No | Nolin silty clay loam, frequently flooded |
| OtB2 | Otwell silt loam, 2 to 6 percent slopes, eroded | OtB2 | Otwell silt loam, 2 to 6 percent slopes, eroded |
| OtC3<br>OtC2 | Otwell silt loam, 6 to 12 percent slopes, severely eroded | OtC3 | Otwell silt loam, 6 to 12 percent slopes, severely eroded |
| OtD3 | Otwell silt loam, 12 to 18 percent slopes, severely eroded | OtD3 | Otwell silt loam, 12 to 18 percent slopes, severely eroded |
| PcB, PcB2,<br>PeB | Pekin silt loam, 2 to 6 percent slopes | PcB | Pekin silt loam, 2 to 6 percent slopes |

| Field Symbol | Field Map Unit Name | Publication Symbol | Approved Map Unit Name |
|---|---|---|---|
| Pe | Peoga silt loam | Pe | Peoga silt loam |
| Po, Pt | Petrolia silty clay loam, frequently flooded | Ph | Petrolia silty clay loam, frequently flooded |
| Mh, Mfa, Pm | McGary Variant silt loam, frequently flooded | Pm | Petrolia silty clay loam, frequently flooded, very long duration |
| PpD3<br>A1D2<br>A1D3 | Pike silt loam, 12 to 18 percent slopes, severely eroded | | PpD3 Pike silt loam, 12 12 to 18 percent slopes, severely eroded |
| PrA<br>AnA | Princeton fine sandy loam, 0 to 2 percent slopes | PrA | Princeton fine sandy loam, 0 to 2 percent slopes |
| ReA<br>Ra | Reesville silt loam, 0 to 2 percent slopes | ReA | Reesville silt loam, 0 to 2 percent slopes |
| Se | Steff silt loam, rarely flooded | Se | Steff silt loam, rarely flooded |
| Sf | Steff silt loam, frequently flooded | Sf | Steff silt loam, frequently flooded |
| Nk<br>So | Newark silt loam, frequently flooded | So | Stendal silt loam, frequently flooded |
| Ab<br>Sw | Abscota loamy sand frequently flooded | Sw | Stonelick fine sandy loam, frequently flooded |
| SyB2 | Sylvan silt loam, 2 to 6 percent slopes, eroded | SyB2 | Sylvan silt loam, 2 to 6 percent slopes, eroded |
| SyC3<br>SyC2<br>SyD3 | Sylvan silt loam, 6 to 12 percent slopes, severely eroded | SyC3 | Sylvan silt loam, 6 to 12 percent slopes, severely eroded |
| SyF | Sylvan silt loam, 25 to 50 percent slopes | SyF | Sylvan silt loam, 25 to 50 percent slopes |
| Vn | Vincennes Variant clay loam, occasionally flooded | Vn | Vincennes Variant clay loam, occasionally flooded |
| Wa<br>Sh | Wakeland silt loam, frequently flooded | Wa | Wakeland silt loam, frequently flooded |
| WeE, WeE2,<br>W1E, W1E2 | Wellston silt loam 15 to 30 percent slopes | WeE | Wellston silt loam, 15 to 30 percent slopes |
| Wh<br>Zp | Zipp Variant silty clay loam, frequently flooded | Wh | Wilhite silty clay loam, frequently flooded |

| Field Symbol | Field Map Unit Name | Publication Symbol | Approved Map Unit Name |
|---|---|---|---|
| ZaB, T1B, T1B2, TtB2, ZaB2 | Zanesville silt loam, 2 to 6 percent slopes | ZaB | Zanesville silt loam, 2 to 6 percent slopes |
| ZaC3, ZaC, ZaC2, ZnC2, ZnC3 | Zanesville silt loam, 6 to 12 percent slopes, severely eroded | ZaC3 | Zanesville silt loam, 6 to 12 percent slopes, severely eroded |
| ZaD3 ZaD2 ZnD2 ZnD3 | Zanesville silt loam, 12 to 18 percent slopes, severely eroded | ZaD3 | Zanesville silt loam, 12 to 18 percent slopes, |

Series Established by This Correlation:

Wilhite (type location in Pike County, Indiana)

Series Dropped or Made Inactive:

None

Certification Statement:
The state soil scientist certifies that:

1. Mapping was completed September 1982.

2. The general soil map has been joined with the maps for Dubois, Warrick, Knox, and Daviess Counties. All lines join. Most adjoining map units have one or more differences in the name because some series occur in one county but not in the other, or some are extensive enough to be named in one county but not the adjoining one. Some name differences are because of changes in series concepts. A detailed list of the joins was submitted by Indiana on March 29, 1983.

The detail soil maps have been joined with the maps for Dubois, Warrick, Knox, and Daviess Counties. All lines join. The map units join except where the same soil was not correlated in the adjoining county. Interpretations are similar in adjoining map units. A detailed list of the joins was submitted by Indiana on March 29, 1983.

3. The interpretations for all series used in this soil survey have been coordinated.

4. The location of the typical pedon descriptions in this county are in soil areas using that reference name.

Verification of Exact Cooperators' Names:
For the front cover:

> United States Department of Agriculture Soil Conservation Service in cooperation with the Purdue University Agricultural Experiment Station and Indiana Department of Natural Resources Soil and Water Conservation Committee

The cooperators to be listed on the inside of the cover are:
"This survey was made cooperatively by the Soil Conservation Service, Purdue University Agricultural Experiment Station, and the Indiana Department of Natural Resources, Soil and Water Conservation Committee. It is part of the technical assistance furnished to the Pike County Soil and Water Conservation District. Financial assistance was made available by the Pike County Board of County Commissioners."

Disposition of Field Sheets:
The original atlas field sheets for Pike County will be retained by the Indiana State Office, and will be used in the map compilation and finishing procedures. Copies have been made for fire protection purposes. The state office at Indianapolis will prepare the atlas sheets for publication by August 1983.

Prior Soil Survey Publications:
The following reference to the 1923 soil survey of Pike County, Indiana, will be made in the introduction of this publication.

> The first soil survey of Pike County was made in 1930 (ref. citation). This survey updates the first survey and provides additional information and larger maps that show the soils in greater detail.
>
> > Soil Survey of Pike County, Indiana, H. P. Ulrich, in Charge, T. M. Bushnell, and D. R. Kunkel, Purdue University Agriculture Experiment Station and J. T. Miller and E. G. Fitzpatrick, United States Department of Agriculture. 68 pp., illus., 1930.

Instructions for Map Finishing:
The conventional and special symbols used in this survey are listed on the attached SCS-SOILS-37A. These are the only symbols that will be shown on the published maps. The maps will be finished using the "Guide for Soil Map Finishing," July 1976.

SCS-SOILS-37A
3-75

# CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Soil Survey Area: Pike County
State: Indiana

Date: 8/12/82

## CULTURAL FEATURES

| DESCRIPTION | SYMBOL |
|---|---|
| **BOUNDARIES** | |
| County or parish | |
| Minor civil division | |
| Reservation (national forest or park, state forest or park, and large airport) | |
| 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** | |
| County, farm or ranch | |
| **ROAD EMBLEMS & DESIGNATIONS** | |
| State | 52 |
| RAILROAD | |
| **DAMS** | |
| Large (to scale) | |
| Medium or small | W |

## CULTURAL FEATURES (cont.)

| DESCRIPTION | SYMBOL |
|---|---|
| **MISCELLANEOUS CULTURAL FEATURES** | |
| Farmstead, house (omit in urban areas) | |
| Church | |
| School | |

## WATER FEATURES

| DESCRIPTION | SYMBOL |
|---|---|
| **DRAINAGE** | |
| Perennial, double line | |
| Perennial, single line | |
| Intermittent | |
| Drainage end | |
| Canals or ditches | |
| Drainage and/or irrigation | |
| **LAKES, PONDS AND RESERVOIRS** | |
| Perennial | water W |

## SPECIAL SYMBOLS FOR SOIL SURVEY

| DESCRIPTION | SYMBOL |
|---|---|
| **SOIL DELINEATIONS AND SOIL SYMBOLS** | |
| ESCARPMENTS | Ln OtB2 |
| SHORT STEEP SLOPE | |
| GULLY | |
| **MISCELLANEOUS** | |
| Dumps and other similar non soil areas | |

## PRIME FARMLAND MAP UNITS

The following map units meet the soil requirements for prime farmland:

| Publication Symbol | Approved Map Unit Name |
|---|---|
| AdA | Alford silt loam, 0 to 2 percent slopes |
| AdB2 | Alford silt loam, 2 to 6 percent slopes, eroded |
| AnB | Alvin fine sandy loam, 2 to 6 percent slopes |
| Ar | Armiesburg silty clay loam, occasionally flooded |
| Ay | Ayrshire fine sandy loam, loamy substratum (where drained) |
| Ba | Bartle silt loam (where drained) |
| Bb | Beaucoup silty clay loam, frequently flooded (where drained and floods less than once in 2 years during the growing season) |
| Bf | Belknap silt loam, rarely flooded (where drained) |
| Bg | Belknap silt loam, frequently flooded (where drained and floods less than once in 2 years during the growing season) |
| Bh | Birds silt loam, occasionally flooded (where drained) |
| Bk | Birds silt loam, frequently flooded (where drained and floods less than once in 2 years during the growing season) |
| Bo | Bonnie silt loam, frequently flooded (where drained and floods less than once in 2 years during the growing season) |
| DbA | Dubois silt loam, 0 to 2 percent slopes (where drained) |
| EkA | Elkinsville silt loam, 0 to 2 percent slopes |
| HbB | Haubstadt silt loam, 1 to 6 percent slopes |
| Hd | Haymond silt loam, frequently flooded (where floods less than once in 2 years during the growing season) |
| HeA | Henshaw silt loam, 0 to 3 percent slopes |
| HoA | Hosmer silt loam, 0 to 2 percent slopes |
| HoB2 | Hosmer silt loam, 2 to 6 percent slopes, eroded |
| Hu | Huntsville silt loam, rarely flooded |

| Publication Symbol | Approved Map Unit Name |
|---|---|
| IoA | Iona silt loam, 0 to 2 percent slopes |
| IvA | Iva silt loam, 0 to 2 percent slopes (where drained) |
| Ln | Lindside silt loam, frequently flooded (where floods less than once in 2 years during the growing season) |
| MgA | McGary silty clay loam, 0 to 2 percent slopes (where drained) |
| Mt | Montgomery silty clay (where drained) |
| MuA | Muren silt loam, 0 to 2 percent slopes |
| No | Nolin silty clay loam, frequently flooded (where floods less than once in 2 years during the growing season) |
| OtB2 | Otwell silt loam, 2 to 6 percent slopes, eroded |
| PcB | Pekin silt loam, 2 to 6 percent slopes (where drained) |
| Pe | Peoga silt loam (where drained) |
| Ph | Petrolia silty clay loam, frequently flooded (where drained and floods less than once in 2 years during the growing season) |
| PrA | Princeton fine sandy loam, 0 to 2 percent slopes |
| ReA | Reesville silt loam, 0 to 2 percent slopes (where drained) |
| Se | Steff silt loam, rarely flooded |
| Sf | Steff silt loam, frequently flooded (where floods less than once in 2 years during the growing season) |
| So | Stendal silt loam, frequently flooded (where drained and floods less than once in 2 years during the growing season) |
| Sw | Stonelick fine sandy loam, frequently flooded (where floods less than once in 2 years during the growing season) |
| SyB2 | Sylvan silt loam, 2 to 6 percent slopes, eroded |
| Vn | Vincennes Variant clay loam, occasionally flooded (where drained) |
| Wa | Wakeland silt loam, frequently flooded (where drained and floods less than once in 2 years during the growing season) |

| Publication Symbol | Approved Map Unit Name |
|---|---|
| ZaB | Zanesville silt loam, 2 to 6 percent slopes |

Approved: August 22, 1983

Rodney F. Harner

RODNEY F. HARNER
Head, Soils Staff
Midwest NTC

## CONVERSION LEGEND RELATING FIELD MAP SYMBOL TO PUBLICATION SYMBOL

| Field Symbol | Publication Symbol | Field Symbol | Publication Symbol | Field Symbol | Publication Symbol |
|---|---|---|---|---|---|
| Ab | Sw | EkA | EkA | | |
| AdA | AdA | EkB | EkA | Ly | Ay |
| AdB2 | AdB2 | Ev | Bh | MbC3 | MbC3 |
| AdC2 | AdC2 | FaB | FaB | MfA | Pm |
| AdC3 | AdC2 | FaC | FbC | MgA | MgA |
| A1A | AdA | FbC | FbC | Mh | Pm |
| A1B2 | AdB2 | FbG | FbG | MkB2 | HeA |
| A1C2 | AdC2 | G1D3 | GnE3 | MkC3 | MbC3 |
| A1C3 | AdC2 | G1E | GnE | Mt | Mt |
| A1D2 | PpD3 | G1E2 | GnE | MuA | MuA |
| A1D3 | PpD3 | GnD | GnE | Nk | So |
| AnA | PrA | GnE | GnE | No | No |
| AnB | AnB | GnE3 | GnE3 | OrB | FaB |
| AnC | AoC | GoF | GoF | OrC | FbC |
| AnD | AoC | GuD | GnE3 | OrG | FbG |
| AoC | AoC | | | OtB2 | OtB2 |
| Ar | Ar | | | OtC2 | OtC3 |
| Ay | Ay | | | OtC3 | OtC3 |
| Ba | Ba | Ha | Hd | OtD3 | OtD3 |
| Bb | Bb | HbB | HbB | OxF | HkF |
| Bc | Bh | HbB2 | HbB | Pb | Bb |
| Bd | Bk | Hd | Hd | PcB | PcB |
| Bf | Bf | HeA | HeA | PcB2 | PcB |
| Bg | Bg | HkE | HkF | Pe | Pe |
| Bh | Bh | HkF | HkF | PeB | PcB |
| Bk | Bk | HoA | HoA | Pm | Pm |
| B1C | AoC | HoB2 | HoB2 | Po | Ph |
| B1D | AoC | HoC2 | HoC3 | PpD3 | PpD3 |
| | | HoC3 | HoC3 | Pt | Ph |
| B1F | B1F | HoD2 | HoD3 | PrA | PrA |
| Bo | Bo | HoD3 | HoD3 | Ra | ReA |
| Bp | Bp | Hu | Hu | ReA | ReA |
| C1F | C1F | IoA | IoA | Ro | Hu |
| DbA | DbA | IvA | IvA | Se | Se |
| Du | Du | Ln | Ln | | |

| Field Symbol | Publication Symbol |
|---|---|
| Sf | Sf |
| Sh | Wa |
| Sn | Bf |
| So | So |
| St | Bg |
| Sw | Sw |
| SyA | IoA |
| SyB2 | SyB2 |
| SyC2 | SyC3 |
| SyC3 | SyC3 |
| SyD3 | SyC3 |
| SyF | SyF |
| T1B | ZaB |
| T1B2 | ZaB |
| TtB2 | ZaB |
| Vn | Vn |
| Wa | Wa |
| WeE | WeE |
| WeE2 | WeE |
| WeF | GoF |
| Wh | Wh |
| W1E | WeE |
| W1E2 | WeE |
| ZaB | ZaB |
| ZaB2 | ZaB |
| ZaC | ZaC3 |
| ZaC2 | ZaC3 |
| ZaC3 | ZaC3 |
| ZaD2 | ZaD3 |
| ZaD3 | ZaD3 |
| ZnC2 | ZaC3 |
| ZnC3 | ZaC3 |
| ZnD2 | ZaD3 |
| ZnD3 | ZaD3 |
| Zp | Wh |

## CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY ANALYSIS

Laboratory Data from Purdue (SCS-SOILS-8 forms completed for all samples except S81IN-125-13 and S80IN-125-6).

| Sampled as | Pedon Sample No. | Publication Symbol | Approved Series Name or Classification |
|---|---|---|---|
| Alford | S79IN-125-4 | AdB2 | Alford (taxadjunct) |
| Alvin | S79IN-125-22 | AnB | Alvin |
| Armiesburg | S79IN-125-20 | Ar | Armiesburg |
| Ayrshire | S79IN-125-21 | Ay | Ayrshire |
| Beaucoup | S81IN-125-11 | Bb | Fine, mixed, mesic Fluvaquentic Haplaquolls |
| Stendal | S79IN-125-11 | Bg | Belknap |
| Berks | S81IN-125-2 | GoF | Berks |
| Birds | S80IN-125-3 | Bk | Birds |
| Evansville Variant | S79IN-125-15 | Bh | Birds (taxadjunct) |
| Bloomfield | S80IN-125-1 | AoC | Bloomfield |
| Bonnie | S78IN-125-2 | Bo | Bonnie |
| Chetwynd | S79IN-125-24 | C1F | Chetwynd |
| Dubois | S80IN-125-29 | DbA | Dubois |
| Elkinsville | S79IN-125-5 | EkA | Elkinsville |
| Fairpoint | S81IN-125-6 | FbG | Fairpoint |
| Gilpin | S81IN-125-1 | GoF | Gilpin |
| Haubstadt | S81IN-125-3 | HbB | Haubstadt |
| Haymond | S79IN-125-6 | Hd | Haymond (taxadjunct) |
| Hosmer | S79IN-125-9 | HoB2 | Hosmer (taxadjunct) |
| Otwell Variant | S80IN-125-26 | HkF | Hickory (taxadjunct) |
| Ross | S79IN-125-12 | Hu | Huntsville |
| Iona | S81IN-125-10 | IoA | Iona |
| Iva | S79IN-125-19 | IvA | Iva |
| Lindside | S81IN-125-9 | Ln | Lindside |
| McGary | S79IN-125-16 | MgA | McGary |
| Montgomery | S79IN-125-17 | Mt | Montgomery |
| Muren | S80IN-125-27 | MuA | Muren (taxadjunct) |
| Nolin | S79IN-125-7 | No | Nolin |
| Pekin | S81IN-125-8 | PcB | Pekin |
| Peoga | S81IN-125-14 | Pe | Peoga |
| Petrolia | S80IN-125-4 | Ph | Petrolia |
| McGary Variant | S81IN-125-13 | Pm | Fine-silty, mixed, mesic Aeric Fluvaquents |
| Princeton | S80IN-125-5 | PrA | Princeton (taxadjunct) |
| Reesville | S80IN-125-28 | ReA | Reesville |
| Steff | S81IN-125-5 | Se | Steff |
| Newark | S81IN-125-12 | So | Stendal |
| Abscota | S81IN-125-7 | Sw | Stonelick (taxadjunct) |
| Vincennes | S79IN-125-13 | Vn | Vincennes Variant |
| Wakeland | S80IN-125-2 | Wa | Wakeland |
| Wellston | S79IN-125-8 | WeE | Wellston (taxadjunct) |
| Zipp Variant | S79IN-125-14 | Wh | Wilhite |
| Tilsit | S81IN-125-4 | ZaB | Zanesville |
| Zanesville | S80IN-125-6 | ZaC3 | Zanesville |

# Notes to Accompany Classification and Correlation of the Soils of Pike County, Indiana

by
Rodney F. Harner

ALFORD SERIES
This soil is a taxadjunct because the base saturation is too low at the critical depth. The classification of the soil is fine-silty, mixed, mesic Ultic Hapludalfs.

ALVIN SERIES
This soil has layers in the B horizon that are more coarse and are less acid than the series range, but the soil is not considered a taxadjunct.

ARMIESBURG SERIES
This soil is more acid in the lower part of the B horizon and in the C horizon than the series allows but is not considered a taxadjunct.

AYRSHIRE SERIES
Neutral reaction in the lower part of the Bt horizon is outside the range of the series but the soil is not considered a taxadjunct.

BARTLE SERIES
This soil is a taxadjunct because the structure of the Bx horizon is too fine to qualify for a fragipan. The soil classifies as fine-silty, mixed, mesic Aeric Ochraqualfs.

BIRDS SERIES
The Birds soil in map unit Bh is a taxadjunct because it has a chroma of 2 in the control section. The soil classifies as Aeric Fluvaquents.

BLOOMFIELD SERIES
The Bloomfield soil in map unit BlF has a solum that is slightly thinner than the series range but the soil is not considered a taxadjunct.

BONNIE SERIES
Laboratory data shows that the typical pedon lacks 0.5 percent clay in order to qualify for the fine-silty family, but this is within the allowable error of measurement.

DUBOIS SERIES
The Dubois soil has a Btg horizon and a Btx1 horizon that are more acid than the series range but the soil is not considered a taxadjunct.

ELKINSVILLE SERIES
The upper part of the Bt horizon is slightly less acid than the series range but the soil is not considered a taxadjunct.

FAIRPOINT SERIES
The FaB map unit is a taxadjunct because the silty material that has been put on top of the mine spoil is typically 20 to 30 inches thick whereas the series allows a maximum of 12 inches.

HAUBSTADT SERIES
This soil is outside the range of the series in that it has no coarse fragments in the lower material whereas the series requires a minimum of 5 percent coarse fragments by weight.

HICKORY SERIES
This soil is a taxadjunct because the content of sand coarser than very fine is less than 15 percent. The soil is fine-silty.

HUNTSVILLE SERIES
Laboratory data on the typical pedon has 1 percent too much sand for a silt loam but this is within the allowable error of measurement. Silt loam best represents the texture of the Ap horizon in the survey area.

MARKLAND SERIES
This soil has carbonates at a shallow depth and the lower part of the solum is less acid than the series range but the soil is not considered a taxadjunct.

MUREN SERIES
This soil is a taxadjunct because the base saturation is 55.6 percent at the critical depth. The soil classifies as Aquultic Hapludalfs.

PIKE SERIES
The reaction of the upper part of the B horizon is less acid than the series range but the soil is not considered a taxadjunct.

PRINCETON SERIES
This soil is a taxadjunct because of low base saturation. It classifies as Typic Hapludults.

REESVILLE SERIES
This soil has higher reaction in the B horizon than the series range but it is not considered a taxadjunct.

STONELICK SERIES
This soil is a taxadjunct because the control section is too acid in reaction and lacks carbonates. This soil classifies as coarse-loamy, mixed, mesic Typic Udifluvents.

VINCENNES VARIANT
This is a poorly drained soil formed in alluvium. The classification of the soil is fine-loamy, mixed, nonacid, mesic Typic Fluvaquents.

WELLSTON SERIES
This soil is a taxadjunct because of low base saturation. It classifies as fine-silty, mixed, mesic Typic Hapludults.

WILHITE SERIES

The Wilhite series is established by this correlation. The soil classifies as fine, mixed, nonacid, mesic Typic Fluvaquents.

## CLASSIFICATION OF THE SOIL

| Soil Name | Family or Higher Taxonomic Class |
|---|---|
| *Alford | Fine-silty, mixed, mesic Typic Hapludalfs |
| Alvin | Coarse-loamy, mixed, mesic Typic Hapludalfs |
| Armiesburg | Fine-silty, mixed, mesic Fluventic Hapludolls |
| Ayrshire | Fine-loamy, mixed, mesic Aeric Ochraqualfs |
| *Bartle | Fine-silty, mixed, mesic Aeric Fragiaqualfs |
| Beaucoup | Fine-silty, mixed, mesic Fluvaquentic Haplaquolls |
| Belknap | Coarse-silty, mixed, acid, mesic Aeric Fluvaquents |
| Berks | Loamy-skeletal, mixed, mesic Typic Dystrochrepts |
| Bethesda | Loamy-skeletal, mixed, acid, mesic Typic Udorthents |
| Birds | Fine-silty, mixed, nonacid, mesic Typic Fluvaquents |
| Bloomfield | Coarse-loamy, mixed, mesic Psammentic Hapludalfs |
| Bonnie | Fine-silty, mixed, acid, mesic Typic Fluvaquents |
| Chetwynd | Fine-loamy, mixed, mesic Typic Hapludults |
| Dubois | Fine-silty, mixed, mesic Aeric Fragiaqualfs |
| Elkinsville | Fine-silty, mixed, mesic Ultic Hapludalfs |
| Fairpoint | Loamy-skeletal, mixed, nonacid, mesic Typic Udorthents |
| Gilpin | Fine-loamy, mixed, mesic Typic Hapludults |
| Haubstadt | Fine-silty, mixed, mesic Aquic Fragiudalfs |
| Haymond | Coarse-silty, mixed, nonacid, mesic Typic Udifluvents |
| Henshaw | Fine-silty, mixed, mesic Aquic Hapludalfs |
| *Hickory | Fine-loamy, mixed, mesic Typic Hapludalfs |
| Hosmer | Fine-silty, mixed, mesic Typic Fragiudalfs |
| Huntsville | Fine-silty, mixed, mesic Cumulic Hapludolls |

*Taxadjunct--see "Notes to Accompany Classification and Correlation of the Soils of Pike County, Indiana" for details. Classification for taxadjuncts are included in the "Notes" if different than listed on the table.

## CLASSIFICATION OF THE SOIL

| Soil Name | Family or Higher Taxonomic Class |
|---|---|
| Iona | Fine-silty, mixed, mesic Typic Hapludalfs |
| Iva | Fine-silty, mixed, mesic Aeric Ochraqualfs |
| Lindside | Fine-silty, mixed, mesic Fluvaquentic Euthrocrepts |
| Markland | Fine, mixed, mesic Typic Hapludalfs |
| McGary | Fine, mixed, mesic Aeric Ochraqualfs |
| Montgomery | Fine, mixed, mesic Typic Haplaquolls |
| *Muren | Fine-silty, mixed, mesic Aquic Hapludalfs |
| Nolin | Fine-silty, mixed, mesic Dystric Fluventic Eutrochrepts |
| Otwell | Fine-silty, mixed, mesic Typic Fragiudalfs |
| Pekin | Fine-silty, mixed, mesic Aquic Fragiudalfs |
| Peoga | Fine-silty, mixed, mesic Typic Ochraqualfs |
| Petrolia | Fine-silty, mixed, nonacid, mesic Typic Fluvaquents |
| Pike | Fine-silty, mixed, mesic Ultic Hapludalfs |
| *Princeton | Fine-loamy, mixed, mesic Typic Hapludalfs |
| Reesville | Fine-silty, mixed, mesic Aeric Ochraqualfs |
| Steff | Fine-silty, mixed, mesic Fluvaquentic Dystrochrepts |
| Stendal | Fine-silty, mixed, acid, mesic Aeric Fluvaquents |
| *Stonelick | Coarse-loamy, mixed (calcareous), mesic Typic Udifluvents |
| Sylvan | Fine-silty, mixed, mesic Typic Hapludalfs |
| Vincennes Variant | Fine-loamy, mixed, nonacid, mesic Typic Fluvaquents |
| Wakeland | Coarse-silty, mixed, nonacid, mesic Aeric Fluvaquents |
| *Wellston | Fine-silty, mixed, mesic Ultic Hapludalfs |
| Wilhite | Fine, mixed, nonacid, mesic Typic Fluvaquents |
| Zanesville | Fine-silty, mixed, mesic Typic Fragiudalfs |

*Taxadjunct--see "Notes to Accompany Classification and Correlation of the Soils of Pike County, Indiana" for details. Classification for taxadjuncts are included in the "Notes" if different than listed on the table.