**UNITED STATES DEPARTMENT OF AGRICULTURE**
**NATURAL RESOURCES CONSERVATION SERVICE**

***MLRA REGION 11***
***Indianapolis, Indiana 46278***

# SECOND AMENDMENT TO THE FEBRUARY 1985 CLASSIFICATION AND CORRELATION OF THE SOILS OF GRANT COUNTY, INDIANA

**MAY 2004**

This second amendment results from digitizing the Grant County Soil Survey, the update of the NASIS database, and conforming to the Keys to Soil Taxonomy, 7th Edition, 1996 and 8th Edition, 1998.

**AMENDMENT NO. 2**

**Page 4 –** Add the following:
Publication Symbol and Approved Map Unit Name: W - Water

**Page 7** – Replace the 37A dated 9/83, with the attached Indiana Official 37A for Compilation, Digitizing, and DMF, Revised February 2003.

Only the following standard soil survey features will be shown on the legend and placed on the digitized soil maps:

| Feature | Name | Description |
|---|---|---|
| GPI | Gravel pit | An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel. Typically 0.2 to 2 acres. |
| ROC | Rock outcrop | An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock or where "Rock outcrop" is a named component of the map unit. Typically 0.2 to 2 acres. |
| SLP | Short, steep slope | Narrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding map unit. |

Only the following ad hoc features will be shown on the legend and placed on the digitized soil maps:

| Label | Symbol ID | Name | Description |
|---|---|---|---|
| UWT | 44 | Unclassified water | Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the year. Typically 0.2 to 2 acres. |
| BRD | 14 | Bedrock at 40 to 60 inches | Bedrock at 40 to 60 inches. Typically 1 to 10 acres. |

Indiana Official 37A For
Compilation, Digitizing, and DMF
Revised February 2003

Soil Survey Area:_____

State:_____

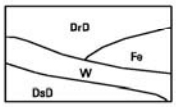
# FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

Date:_____

## SOIL SURVEY FEATURES

SOIL DELINEATIONS AND LABELS




STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES

- Bedrock escarpment
- Nonbedrock escarpment
- Gully
- Levee
- Short steep slope
- Borrow pit
- Clay spot
- Closed depression
- Gravel pit
- Gravelly spot
- Marsh or swamp
- Mine or quarry
- Rock outcrop
- Sandy spot
- Severely eroded spot
- Sinkhole
- Slide or slip
- Spoil area
- Stony spot
- Very stony spot
- Wet spot

AD HOG FEATURES (Describe on back)

| LABEL | SYMBOL ID | SYMBOL | LABEL | SYMBOL ID | SYMBOL |
|---|---|---|---|---|---|
| DCS | 1 | | CRO | 23 | |
| DKS | 2 | | MTA | 24 | |
| OVW | 3 | | CGM | 25 | |
| VMS | 4 | | MIL | 26 | |
| EAS | 5 | | | 27 | |
| MAS | 6 | | SID | 28 | |
| SAS | 7 | | | 29 | |
| CAF | 8 | | MUC | 30 | |
| CAL | 9 | | | 31 | |
| SLR | 10 | | | 32 | |
| DUM | 11 | | | 33 | |
| BRV | 12 | | | 34 | |
| BRM | 13 | | MRL | 35 | |
| BRD | 14 | | | 36 | |
| OBR | 15 | | | 37 | |
| SSR | 16 | | | 38 | |
| LBR | 17 | | | 39 | |
| WDP | 18 | | VSE | 40 | |
| SBR | 19 | | | 41 | |
| COB | 20 | | | 42 | |
| CNS | 21 | | | 43 | |
| FES | 22 | | UWT | 44 | |

## CULTURAL FEATURES (Optional)

BOUNDARIES

- National, state or province
- County or parish
- Minor civil division
- Reservation (Military)
- Land grant (Optional)
- Field sheet matchline and neatline
- Public Land Survey System Section Corner Tics

GEOGRAPHIC COORDINATE TICK

ROAD EMBLEMS

- Interstate
- Federal
- State

LOCATED OBJECTS

Airport (Label only) — Davis Airport or Airstrip

## HYDROGRAPHIC FEATURES (Optional)

- Drainage end (indicates direction of flow)
- Unclassified stream

The ad hoc Symbol ID 44, UWT, was added to the 1985 Correlation and symbols for Bedrock escarpment, sandy spot, medium or small dam, farmstead-house, school and church were deleted.

**Page 9 –** Add the following:

| Field symbol | Publication symbol |
|---|---|
| W | W |
| W4 | W |

**Page 14** – Replace the Classification of the Soils table with the following table, amended per Soil Taxonomy 7th and 8th edition:

Grant County, Indiana
Table Q1.--Classification of the Soils
(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

| Soil name | Family or higher taxonomic class |
|---|---|
| Blount | Fine, illitic, mesic Aeric Epiaqualfs |
| Bono | Fine, illitic, mesic Typic Endoaquolls |
| Crosby | Fine, mixed, active, mesic Aeric Epiaqualfs |
| Fox | Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Hapludalfs |
| Glynwood | Fine, illitic, mesic Aquic Hapludalfs |
| Hennepin | Fine-loamy, mixed, active, mesic Typic Eutrudepts |
| Houghton | Euic, mesic Typic Haplosaprists |
| Landes | Coarse-loamy, mixed, superactive, mesic Fluventic Hapludolls |
| Millgrove | Fine-loamy, mixed, superactive, mesic Typic Argiaquolls |
| Morley | Fine, illitic, mesic Oxyaquic Hapludalfs |
| Ockley | Fine-loamy, mixed, active, mesic Typic Hapludalfs |
| Patton | Fine-silty, mixed, superactive, mesic Typic Endoaquolls |
| Pewamo | Fine, mixed, active, mesic Typic Argiaquolls |
| Sloan | Fine-loamy, mixed, superactive, mesic Fluvaquentic Endoaquolls |
| Udorthents, loamy | Udorthents |
| *Wallkill | Fine-loamy, mixed, superactive, nonacid, mesic Thapto-Histic Fluvaquents |

The following series has been updated to the 7th edition of the Keys to Soil Taxonomy. This series requires fieldwork and review before updating to the 8th edition of the Keys to Soil Taxonomy.

| Soil name | Family or higher taxonomic class |
|---|---|
| Fox Variant | Fine-loamy, mixed, mesic Typic Hapludalfs |

Approval Signatures

| TRAVIS NEELY | JANE HARDISTY |
|---|---|
| State Soil Scientist/MLRA Leader | State Conservationist |