

United States Department of Agriculture
Natural Resources Conservation Service
MLRA 11 Office, Indianapolis, Indiana
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First Amendment of the Classification and Correlation
of the Soils of Franklin County, Indiana

This first amendment was prepared by Gary R. Struben, Soil Data Quality Specialist, MLRA Region 11, Indianapolis, Indiana.

Pages 5 and 6, Add the following:

Soil Correlation Legend of Franklin County, Indiana

Field symbol- Omz
Field map unit name- Orthents, earthen dam
Publication symbol- Omz
Approved map unit name- Orthents, earthen dam

Field symbol- W
Field map unit name- Water
Publication symbol- W
Approved map unit name- Water

Field symbol- W, w, water
Field map unit name- Water less than 40 acres in size
Publication symbol- W
Approved map unit name- Water

Field symbol- W4
Field map unit name- Water more than 40 acres in size
Publication symbol- W
Approved map unit name- Water

Page 9, Add the following:

Instructions for Digitizing

The following will be completed during the digitizing process:

- 1) On Sheet Number 20, section 16, the map unit symbol for the delineation on the dam of the Brookville Reservoir will be changed from Pg to Omz.
- 2) All spot symbols for depression or sink will be converted to sinkhole symbols (SNK).
- 3) All spot symbols for water (WAT) will be converted to the UWT symbol (Ad Hoc Symbol ID 44) for unclassified water.
- 4) All ad hoc spot symbols labeled as Symbol ID 42 defined as "Less than 5 acres with bedrock at 20 to 60 inches" will be converted to label BRV (Symbol ID 12).
- 5) All ad hoc spot symbols labeled as Symbol ID 1 defined as "Landfill-each symbol represents 5 acres or less" will be converted to label LDF.
- 6) All ad hoc spot symbols labeled as Symbol ID 35 defined as "Cut & Fill-each symbol represents 5 acres or less" will be converted to label CAF (Symbol ID 8).

Page 10, the following Conventional and Special Symbols will be shown on the digitized soil maps.

<u>Feature</u>	<u>Name</u>	<u>Description</u>
ESB	Escarpment, bedrock	A relatively continuous and steep slope or cliff, which generally is produced by erosion or faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.
ESO	Escarpment, other	A relatively continuous and steep slope or cliff, which generally is produced by erosion but can be produced by faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed nonbedrock material is nonsoil or very shallow, poorly developed soil.
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.
GRA	Gravelly spot	Surface layer has more than 35 percent, by volume, of rock fragments that are mostly less than 3 inches in diameter in an area with less than percent fragments. Typically 0.2 to 2 acres.
GUL	Gully	A very small channel with steep sides cut by running water and through which water ordinarily runs only after a rain, or an ice or snow melts. It generally is an obstacle to wheeled vehicles and is too deep to be obliterated by ordinary tillage.
LDF	Landfill	An area of accumulated waste products of human habitation that can be above or below natural ground level. Typically 0.2 to 5 acres.
MPI	Mine or quarry	An open excavation from which soil and underlying material are removed and bedrock is exposed. Also used to denote surface openings to underground mines. 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. Typically 0.2 to 2 acres.
SAN	Sandy spot	A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer. Typically 0.2 to 2 acres.
ERO	Severely eroded spot	An area where on the average 75 percent or more of the original surface layer has been lost from accelerated erosion. 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.
SNK	Sinkhole	A closed depression formed either by solution of the surficial rock or by collapse of underlying caves. Typically 0.2 to 2 acres.
WET	Wet spot	Somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit. Typically 0.2 to 2 acres.

<u>Feature</u>	<u>Name</u>	<u>Description</u>
AD HOC		
CAF (Symbol ID 8)	Cut and fill	An area of cut and fill. Typically 0.2 to 5 acres.
BRV (Symbol ID 12)	Bedrock	An area underlain with bedrock at depths of 20 to 60 inches. Typically 0.2 to 5 acres.
UWT (Symbol ID 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.

Page 10, Delete the following Conventional and Special Symbols:

Airport or airfield boundary
 Cemetery label and boundary
 State Coordinate Tick
 Divided roads and Other roads
 Railroad
 Large DAMS
 Medium or small DAMS
 Farmstead, house
 Church
 School

Change the following symbols:

Perennial, single line and intermittent streams to Unclassified, single line, streams.
 Drainage and/or irrigation ditch to Unclassified drainage and/or irrigation ditch.
 Perennial water to Unclassified water (Label UWT, AD HOC Symbol ID 44).

Page 13, Soil Map unit Symbol Conversion Legend, Franklin County, Indiana, add the following field symbols and publication symbols:

Field Symbol	Publication Symbol
Omz	Omz
W	W
w	W
W4	W
water	W

Page 17, add the following notes:

MIAMI SERIES

The soils in map units MoD2 and MoD3 classify as Typic Hapludalfs at the subgroup level and are considered to be taxadjuncts.

REESVILLE SERIES

The Reesville Series was reclassified as Fine-silty, mixed, superactive, mesic Aquic Hapludalfs in 1999, but the soils in Franklin County classify as Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs and therefore are considered to be taxadjuncts.

Page 19 & 20, CLASSIFICATION OF THE SOILS, Replace the classification table in the original correlation document from November of 1984 with the following:

CLASSIFICATION OF THE SOILS

(Classification is based on the "Eighth Edition of the Keys to Soil Taxonomy") * Indicates a taxadjunct to the series; those series listed twice indicates only some map units are taxadjuncts.

Soil name	Family or higher taxonomic class
Alvin-----	Coarse-loamy, mixed, superactive, mesic Typic HapludalFs
Avonburg-----	Fine-silty, mixed, active, mesic Aeric Fragic Glossaqualfs
Bonnell-----	Fine, mixed, active, mesic Typic HapludalFs
Carmel-----	Fine, vermiculitic, mesic Vertic HapludalFs
Cincinnati-----	Fine-silty, mixed, active, mesic Oxyaquic FragiudalFs
Cobbsfork-----	Fine-silty, mixed, active, mesic Fragic Glossaqualfs
*Corydon-----	Clayey, mixed, superactive, mesic Lithic Argiudolls
Cyclone-----	Fine-silty, mixed, superactive, mesic Typic Argiaquolls
Dearborn-----	Loamy-skeletal, mixed, superactive, mesic Fluventic Hapludolls
*Eden-----	Fine, mixed, active, mesic Typic HapludalFs
*Edenton-----	Fine, mixed, superactive, mesic Typic HapludalFs
Eldean-----	Fine, mixed, superactive, mesic Typic HapludalFs
Fincastle-----	Fine-silty, mixed, superactive, mesic Aeric Epiaqualfs
Fox-----	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic HapludalFs
Gessie-----	Fine-loamy, mixed, superactive, mesic Fluventic Eutrudepts
*Gessie-----	Fine-loamy, mixed, superactive, mesic Fluventic Eutrudepts
Hennepin-----	Fine-loamy, mixed, active, mesic Typic Eutrudepts
Holton-----	Coarse-loamy, mixed, active, nonacid, mesic Aeric Endoaquepts
Miami-----	Fine-loamy, mixed, active, mesic Oxyaquic HapludalFs
*Miami-----	Fine-loamy, mixed, active, mesic Typic HapludalFs
Milford-----	Fine, mixed, superactive, mesic Typic Endoaquolls
Moundhaven-----	Sandy, mixed, mesic Typic Udifluvents
Ockley-----	Fine-loamy, mixed, active, mesic Typic HapludalFs
Oldenburg-----	Coarse-loamy, mixed, active, mesic Fluvaquentic Eutrudepts
Princeton-----	Fine-loamy, mixed, active, mesic Typic HapludalFs
*Reesville-----	Fine-silty, mixed, superactive, mesic Aquic HapludalFs
Rodman-----	Sandy-skeletal, mixed, mesic Typic Hapludolls
Ross-----	Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls
Rossmoyne-----	Fine-silty, mixed, superactive, mesic Aquic FragiudalFs
Russell-----	Fine-silty, mixed, superactive, mesic Typic HapludalFs
Sidell-----	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Uniontown-----	Fine-silty, mixed, superactive, mesic Typic HapludalFs
Weisburg-----	Fine-silty, mixed, active, mesic Oxyaquic FragiudalFs
Williamstown-----	Fine-loamy, mixed, active, mesic Aquic HapludalFs
Wirt-----	Coarse-loamy, mixed, superactive, mesic Dystric Fluventic Eutrudepts
*Woolper-----	Fine, mixed, active, mesic Typic Argiudolls
Wynn-----	Fine, mixed, superactive, mesic Typic HapludalFs
*Wynn-----	Fine, mixed, superactive, mesic Typic HapludalFs
Xenia-----	Fine-silty, mixed, superactive, mesic Aquic HapludalFs

Approval Signatures and Date

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