

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MLRA REGION 11
Indianapolis, Indiana 46278

SECOND AMENDMENT
TO THE
AUGUST 1980 CLASSIFICATION AND CORRELATION
OF THE SOILS OF
DECATUR COUNTY, INDIANA

SEPTEMBER 2005

This amendment results from digitizing the Decatur County Soil Survey, the update of the NASIS database, and conforming to the Keys to Soil Taxonomy, 9th Edition, 2003.

AMENDMENT NO. 2

Pages 4 and 5 – Additions to the Soil Correlation Legend -

Add the following map units:

Field symbols	Field map unit name	Publication symbol	Approved map unit name
Omz	Orthents, earthen dam	Omz	Orthents, earthen dam
Usl	Udorthents, rubbish	Usl	Udorthents, rubbish
W	Water	W	Water
Water	Water	W	Water

The "Omz - Orthents, earthen dam" map unit is added for earthen dams more than 1.43 acres in size. These areas were labeled as large dams in the published soil survey.

The "Usl – Udorthents, rubbish" map unit is added for areas of landfill more than 1.43 acres in size.

The "W - Water" map unit is added for water areas more than 1.43 acres in size.

Page 8 – Replace the Conventional and Special Symbols Legend from the 1980 Correlation, with the attached Indiana Official 37A for Compilation, Digitizing, and DMF, Revised June 30, 2004.

Only the following standard landform and miscellaneous surface features will be shown on the legend and placed 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 was 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, nonbedrock	A relatively continuous and steep slope or cliff, which generally is produced by erosion but can be produced by faulting, that breaks the continuity of more gently sloping land surfaces. Exposed earthy material is nonsoil or very shallow soil.

<u>Feature</u>	<u>Name</u>	<u>Description</u>
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.
GUL	Gully	A small channel with steep sides cut by running water through which water ordinarily runs only after a rain, or after ice or snow melts. It generally is an obstacle to wheeled vehicles and is too deep to be obliterated by ordinary tillage.
LDL	Landfill	An area of accumulated waste products of human habitation that can be above or below natural ground level. Typically 0.2 to 2 acres.
MPI	Mine or quarry	An open excavation from which soil and underlying material are removed and bedrock is exposed. Also denotes 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 or where "Rock outcrop" is a named component of the map unit. 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 because of accelerated erosion. Not used in map units that are named severely eroded, very severely eroded, or gullied. 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	A 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.

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

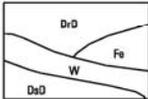
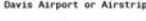
<u>Label</u>	<u>Symbol ID</u>	<u>Name</u>	<u>Description</u>
BRM	13	Bedrock at 20 to 40 inches	An area underlain with bedrock at depths of 20 to 40 inches. Typically 0.2 to 5 acres.
BRD	14	Bedrock at 40 to 60 inches	An area underlain with bedrock at depths of 40 to 60 inches. Typically 1 to 10 acres.
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.

FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

Soil Survey Area: DECATUR COUNTY

State: Indiana

Date: JULY 2005

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
SOIL SURVEY FEATURES		CULTURAL FEATURES (Optional)		HYDROGRAPHIC FEATURES (Optional)	
SOIL DELINEATIONS AND LABELS		BOUNDARIES		Drainage end (Indicates direction of flow)	
STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES		National, state or province		Unclassified stream	
Bedrock escarpment		County or parish			
Nonbedrock escarpment		Minor civil division			
Gully		Reservation (Military)			
Levee		Land grant (Optional)			
Short steep slope		Field sheet matchline and neatline			
Blowout		Public Land Survey System Section Corner Tics			
Borrow pit		GEOGRAPHIC COORDINATE TICK			
Clay spot		ROAD EMBLEMS			
Closed depression		Interstate			
Gravel pit		Federal			
Gravelly spot		State			
Landfill		LOCATED OBJECTS			
Marsh or swamp		Airport (Label only)			
Mine or quarry					
Rock outcrop					
Sandy spot					
Severely eroded spot					
Sinkhole					
Slide or slip					
Spoil area					
Stony spot					
Very stony spot					
Wet spot					
AD HOC FEATURES (Describe on back)					
LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL
DCS	1		CRD	23	
DKS	2		WIA	24	
OYW	3		CGM	25	
YMS	4		HLL	26	
EAS	5		STL	27	
WAS	6		STD	28	
SAS	7			29	
CAF	8		MUC	30	
CAL	9			31	
SLR	10			32	
DUN	11			33	
BRV	12			34	
BRW	13		MRL	35	
BRD	14			36	
OSR	15			37	
SSR	16		SAM	38	
LSR	17			39	
WSP	18		VSE	40	
SBR	19			41	
COB	20			42	
CNS	21			43	
FES	22		UWT	44	

Pages 15-16 – Replace the Classification of the Soils table with the following:

Decatur County, Indiana

Taxonomic 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
*Avonburg-----	Fine-silty, mixed, active, mesic Aeric Fragiaquults
*Chagrín-----	Coarse-loamy, mixed, active, mesic Dystric Fluventic Eutrudepts
Chagrín Variant-----	Fine-loamy, mixed, active, mesic Dystric Fluventic Eutrudepts
*Cincinnati-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
*Clermont-----	Fine-silty, mixed, active, mesic Fragic Glossaqualfs
*Corydon-----	Loamy, mixed, superactive, mesic Lithic Hapludalfs
*Crosby-----	Fine-loamy, mixed, active, mesic Aeric Epiaqualfs
Cyclone-----	Fine-silty, mixed, superactive, mesic Typic Argiaquolls
*Fincastle-----	Fine, mixed, superactive, mesic Aeric Epiaqualfs
Fox-----	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Hapludalfs
Grayford-----	Fine-loamy, mixed, active, mesic Ultic Hapludalfs
Hennepin-----	Fine-loamy, mixed, active, mesic Typic Eutrudepts
Hickory-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
*Lobdell-----	Coarse-loamy, mixed, active, mesic Fluvaquentic Eutrudepts
Martinsville-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Miami-----	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
*Miami-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Milford-----	Fine, mixed, superactive, mesic Typic Endoaquolls
Millsdale-----	Fine, mixed, active, mesic Typic Argiaquolls
Milton-----	Fine, mixed, active, mesic Typic Hapludalfs
Montgomery-----	Fine, mixed, active, mesic Vertic Endoaquolls
Ockley-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Orrville-----	Fine-loamy, mixed, active, nonacid, mesic Fluvaquentic Endoaquepts
Orthents-----	Orthents
Rodman-----	Sandy-skeletal, mixed, mesic Typic Hapludolls
*Rossmoyne-----	Fine-silty, mixed, active, mesic Aquic Fragiudults
Russell-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
*Ryker-----	Fine-silty, mixed, active, mesic Typic Paleudults
Sloan-----	Fine-loamy, mixed, superactive, mesic Fluvaquentic Endoaquolls
Starks-----	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Stonelick-----	Coarse-loamy, mixed, superactive, calcareous, mesic Typic Udifluvents
Udorthents, rubbish--	Udorthents
Williamstown-----	Fine-loamy, mixed, active, mesic Aquic Hapludalfs
Xenia-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs

*Miami taxadjunct is for map units MmD2 and MoD3

DECATUR COUNTY, INDIANA AMENDMENT NO. 2

Approval Signatures

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Date

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Date