

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
MLRA REGION 11
Indianapolis, Indiana 46278

FIRST AMENDMENT
TO THE
DECEMBER 1972 CLASSIFICATION AND CORRELATION
OF THE SOILS OF
VANDERBURGH COUNTY, INDIANA

SEPTEMBER 2004

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

AMENDMENT NO. 1

Page 5 - Addition

-Map Unit Symbol and Name: W - Water

The map unit symbol and name "W - Water" will be used for water areas less than 40 acres in size and water areas more than 40 acres in size.

Pages 6, 7, & 8 – Replace the special and spot symbols as shown on the Guide for Soil Map Compilation on Photobase Map Sheets, SCS, dated August 1970, with the attached Indiana Official 37A for Compilation, Digitizing, and DMF, Revised June 30, 2004.

Only the following standard soil survey 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.
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.
LVS	Levee	An embankment that confines or controls water, especially one built along the banks of a river to prevent overflow of lowlands. Levees built according to COE standards.

<u>Feature</u>	<u>Name</u>	<u>Description</u>
MPI	Mine or quarry	An open excavation from which soil and underlying material is removed exposing the bedrock. 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 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.
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:

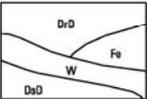
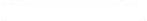
<u>Label</u>	<u>Symbol ID</u>	<u>Name</u>	<u>Description</u>
SAS	7	Saline or alkali spot	An area where the surface layer has higher electrical conductivity and/or sodium absorption ratio than the surface layer of the surrounding soils. Typically 0.2 to 2 acres.
UWT	44	Unclassified water	Small, natural 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: _____

Date: SEPTEMBER 2004

State: Indiana

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)		Davis Airport or Airstrip	
Mine or quarry					
Rock outcrop					
Sandy spot					
Severely eroded spot					
Sinkhole					
Slide or slip					
Spoil area					
Stony spot					
Very stony spot					
Well 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		HEL	26	
EAS	5			27	
WAS	6		STD	28	
EAS	7			29	
CAF	8		MUC	30	
CAL	9			31	
SLR	10			32	
DUM	11			33	
BRV	12			34	
BRW	13		MRL	35	
BRD	14			36	
OSR	15			37	
SSR	16		SAM	38	
LSR	17			39	
WDP	18		VSE	40	
SSR	19			41	
COB	20			42	
CNS	21			43	
FES	22		WET	44	

Pages 13 & 14-- Replace the Classification of the Soils table with the following, amended per Soil Taxonomy 9th edition: Vanderburgh County, Indiana Classification of the Soils (An asterisk in the first column indicates a taxadjunct to the series.)

Soil name	Family or higher taxonomic class
Alford-----	Fine-silty, mixed, superactive, mesic Ultic Hapludalfs
Bartle-----	Fine-silty, mixed, active, mesic Aeric Fragiaqualfs
Birds-----	Fine-silty, mixed, superactive, nonacid, mesic Typic Fluvaquents
Bonnie-----	Fine-silty, mixed, active, acid, mesic Typic Fluvaquents
Evansville-----	Fine-silty, mixed, superactive, nonacid, mesic Typic Endoaquepts
Ginat-----	Fine-silty, mixed, active, mesic Typic Endoaqualfs
Henshaw-----	Fine-silty, mixed, active, mesic Aquic Hapludalfs
Hosmer-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Huntington-----	Fine-silty, mixed, active, mesic Fluventic Hapludolls
Huntington Variant--	Coarse-loamy, mixed, superactive, mesic Fluventic Hapludolls
Iona-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Iva-----	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Lindside-----	Fine-silty, mixed, active, mesic Fluvaquentic Eutrudepts
Markland-----	Fine, mixed, active, mesic Typic Hapludalfs
*Markland-----	Fine, mixed, active, mesic Oxyaquic Hapludalfs
McGary-----	Fine, mixed, active, mesic Aeric Epiaqualfs
Muren-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Newark-----	Fine-silty, mixed, active, nonacid, mesic Fluventic Endoaquepts
Patton-----	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Princeton-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Ragsdale-----	Fine-silty, mixed, superactive, mesic Typic Argiaquolls
Rahm-----	Fine-silty, mixed, active, nonacid, mesic Fluvaquentic Endoaquepts
*Reesville-----	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Sciotoville-----	Fine-silty, mixed, active, mesic Aquic Fragiudalfs
Stendal-----	Fine-silty, mixed, active, acid, mesic Fluventic Endoaquepts
Uniontown-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Wakeland-----	Coarse-silty, mixed, superactive, nonacid, mesic Aeric Fluvaquents
Weinbach-----	Fine-silty, mixed, active, mesic Aeric Fragiaqualfs
Wellston-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Wheeling-----	Fine-loamy, mixed, active, mesic Ultic Hapludalfs
Wilbur-----	Coarse-silty, mixed, superactive, mesic Fluvaquentic Eutrudepts
Woodmere-----	Fine, mixed, active, mesic Oxyaquic Eutrudepts
Zanesville-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Zipp-----	Fine, mixed, active, nonacid, mesic Typic Endoaquepts

The *Markland taxadjunct is for map unit MkB2 only.

Approval Signatures

 TRAVIS NEELY
 State Soil Scientist/MLRA Leader

 Date

 JANE E. HARDISTY
 State Conservationist

 Date