

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

**“DRAFT”SECOND AMENDMENT to the  
CLASSIFICATION AND CORRELATION  
of the SOILS of HOWARD COUNTY, INDIANA**

**NOVEMBER 2004**

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

**AMENDMENT NO. 1**

**Page 4 - Addition**

-Map Unit Symbol and Name: W - Water

Add the map unit symbol name "W - Water" for water areas less than 40 acres in size and water areas more than 40 acres in size.

**Page 6** – Replace the 37A 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>
ESO	Escarpment, non-bedrock	A relatively continuous and steep slope or cliff that generally is produced by erosion but can be produced by faulting, which breaks the continuity of more gently sloping land surfaces. Exposed earthy material is nonsoil or very shallow 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.
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.
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.
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:

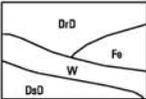
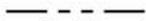
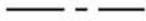
<b><u>Label</u></b>	<b><u>Symbol ID</u></b>	<b><u>Name</u></b>	<b><u>Description</u></b>
SAM	38	Small dam	Small, earthen dam. Typically 0.2 to 2 acres.
UWT	44	Unclassified water	Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the year. Typically 0.2 to 2 acres.

# FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

Soil Survey Area: Howard County

State: Indiana

Date: \_\_\_\_\_

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
<b>SOIL SURVEY FEATURES</b>		<b>CULTURAL FEATURES (Optional)</b>		<b>HYDROGRAPHIC FEATURES (Optional)</b>	
SOIL DELINEATIONS AND LABELS		<b>BOUNDARIES</b>		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					
Clay spot		<b>GEOGRAPHIC COORDINATE TICK</b>			
Closed depression		<b>ROAD EMBLEMS</b>			
Gravel pit		Interstate			
Gravelly spot		Federal			
Landfill		State			
Marsh or swamp					
Mine or quarry		<b>LOCATED OBJECTS</b>			
Rock outcrop		Airport (Label only)		Davis Airport or Airstrip	
Sandy spot					
Severely eroded spot					
Sinkhole					
Slide or slip					
Spoil area					
Stony spot					
Very stony spot					
Wet spot					
<b>AD HOC FEATURES (Describe on back)</b>					
<b>LABEL</b>	<b>SYMBOL ID</b>	<b>SYMBOL</b>	<b>LABEL</b>	<b>SYMBOL ID</b>	<b>SYMBOL</b>
DCS	1		GRO	23	
DKS	2		WIA	24	
OVW	3		CGM	25	
VMS	4		HIL	26	
EAS	5			27	
MAS	6		SID	28	
SAS	7			29	
CAF	8		MUC	30	
CAL	9			31	
SLR	10			32	
DNM	11			33	
BRV	12			34	
BRW	13		MRL	35	
BRD	14			36	
OBR	15			37	
SSR	16		<b>SAM</b>	38	
LSR	17			39	
WDP	18		VSE	40	
SBR	19			41	
COB	20			42	
CNS	21			43	
FES	22		<b>UNT</b>	44	

**Page 5** – Replace the Classification of the Soils table with the following:

**Howard County, Indiana Soil Classification table amended per Soil Taxonomy 9<sup>th</sup> edition.**

(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
Brookston-----	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Carlisle-----	Euic, mesic Typic Haplosaprists
*Crosby-----	Fine, mixed, active, mesic Aeric Epiaqualfs
Fincastle-----	Fine-silty, mixed, superactive, mesic Aeric Epiaqualfs
Fox-----	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Hapludalfs
Genesee-----	Fine-loamy, mixed, superactive, mesic Fluventic Eutrudepts
Hennepin-----	Fine-loamy, mixed, active, mesic Typic Eutrudepts
Kokomo-----	Fine, mixed, superactive, mesic Typic Argiaquolls
Linwood-----	Loamy, mixed, euic, mesic Terric Haplosaprists
Miami-----	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
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
Russell-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs 1/
*Russell-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs 2/
Shoals-----	Fine-loamy, mixed, superactive, nonacid, mesic Fluventic Endoaqupts

- 1/ RuB2 Russel silt loam, 2 to 6 percent slopes, eroded
- 2/ RuA Russel silt loam, 0 to 2 percent slopes

Approval Signatures

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 State Soil Scientist/MLRA Leader

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 State Conservationist