

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MLRA REGION 11
Indianapolis, Indiana 46278

FIRST AMENDMENT
TO THE
AUGUST 1985 CLASSIFICATION AND CORRELATION
OF THE SOILS OF
BROWN COUNTY AND PART OF BARTHOLOMEW COUNTY, INDIANA

FEBRUARY 2006

This amendment results from digitizing the Brown County Soil Survey, the update of the NASIS database, and conforming to the Keys to Soil Taxonomy, 9th Edition, 2003. The Bartholomew part of the published survey is now incorporated into the updated Bartholomew County Soil Survey and will no longer be included as part of the Brown County Soil Survey.

AMENDMENT NO. 1

Pages 2 to 4 – Deletions to the Soil Correlation Legend -

Delete the following map units:

<u>Publication symbol</u>	<u>Approved map unit name</u>
Ca	Chagrin silt loam, occasionally flooded
MaB	Martinsville loam, 1 to 6 percent slopes
Re	Rensselaer-Whitaker complex
Sy	Stonelick loam, gravelly substratum, frequently flooded

All areas of the soils listed above occurred in the Bartholomew part of the published survey and have been incorporated into the update survey for Bartholomew County, except for one delineation of the *Ca* map unit which was converted to the *Be* map unit in Brown County.

Pages 3 and 4 – Additions to the Soil Correlation Legend -

Add the following map units:

<u>Field symbols</u>	<u>Field map unit name</u>	<u>Publication symbol</u>	<u>Approved map unit name</u>
Omz	Orthents, earthen dam	Omz	Orthents, earthen dam
W	Water	W	Water
Water	Water	W	Water
W	Water less than 40 acres in size	W	Water
W4	Water more than 40 acres in size	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 "W - Water" map unit field symbol is added for water areas more than 1.43 acres in size.

Pages 2 to 4 – Additions to the Soil Correlation Legend -

Add the following map units to join with Jackson County:

<u>Publication</u>	<u>Approved map</u>
<u>symbol</u>	<u>unit name</u>
BeG	Berks channery silt loam, 25 to 75 percent slopes
GnF	Gilpin silt loam, 25 to 55 percent slopes
GpD	Gilpin-Wellston silt loams, 10 to 25 percent slopes
TIC2	Tilsit silt loam, 6 to 12 percent slopes, eroded
WeD2	Wellston silt loam, 12 to 18 percent slopes, eroded

Pages 2 to 4 – Additions to the Soil Correlation Legend -

Add the following map units that were correlated for the Camp Atterbury Maneuver Training Center:

<u>Publication</u>	<u>Approved map</u>
<u>symbol</u>	<u>unit name</u>
BbhA	Bartle silt loam, 0 to 2 percent slopes
BbiB	Bartle-Pekin silt loams, 2 to 6 percent slopes
BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration
BlgC2	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, eroded
BlhD2	Blocher-Bonnell silt loams, 12 to 25 percent slopes, eroded
FdbA	Fincastle silt loam, 0 to 2 percent slopes
FdqB	Fincastle-Xenia silt loam, 2 to 4 percent slopes
GgbG	Gilwood-Brownstown silt loams, 25 to 75 percent slopes
GgfD2	Gilwood-Wrays silt loams, 12 to 25 percent slopes, eroded
HeoF	Hickory silt loam, 25 to 50 percent slopes
KugG	Kurtz-Gnawbone silt loams, 20 to 60 percent slopes
PcrC2	Pekin silt loam, 6 to 12 percent slopes, eroded
SifG	Senachwine loam, 25 to 70 percent slopes
SoaB	Spickert silt loam, 2 to 6 percent slopes
SoeC2	Spickert-Wrays silt loams, 6 to 18 percent slopes, eroded
StmB	Stonehead silt loam, 2 to 6 percent slopes
SucC2	Stonehead-Coolville silt loams, 6 to 12 percent slopes, eroded
SulC2	Stonehead-Wellrock silt loams, 6 to 15 percent slopes, eroded
WacAW	Wakeland-Birds silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration
WbiAW	Wilbur-Wakeland silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration
XfuB2	Miami-Rainsville silt loams, 2 to 6 percent slopes, eroded
XrbC2	Miami-Rainsville loams, 6 to 12 percent slopes, eroded
XrkD2	Miami-Kendallville loams, 12 to 18 percent slopes, eroded

Page 7 – Replace the Conventional and Special Symbols Legend from the 1985 Correlation, 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>
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.
LDF	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.
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:

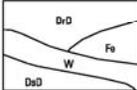
<u>Label</u>	<u>Symbol ID</u>	<u>Name</u>	<u>Description</u>
UWT	44	Unclassified water	Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the year. Typically 0.2 to 2 acres.

FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

Soil Survey Area: BROWN COUNTY

State: Indiana

Date: DECEMBER 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 MORPHOLOGICAL 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					
Wet spot					
AD HOC FEATURES (Describe on back)					
LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL
DGS	1		GRD	23	
DKS	2		WTA	24	
QWV	3		CGW	25	
VWS	4		HLL	26	
EAS	5		SID	28	
MAS	6		SIS	29	
SAS	7		WUC	30	
CAF	8			31	
CAL	9			32	
SLR	10			33	
QWV	11			34	
SRV	12			35	
SRW	13		MRL	36	
BRD	14			37	
ODR	15			38	
SDR	16		SAH	39	
LBR	17			40	
WDP	18		VSE	41	
SBR	19			42	
COB	20			43	
CNS	21			44	
FES	22		UW	45	

Page 14 – Replace the Classification of the Soils table with the following:
 Brown County, Indiana
 Taxonomic Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series.)

Soil name	Family or higher taxonomic class
*Avonburg-----	Fine-silty, mixed, active, mesic Aeric Fragiaqualfs
Bartle-----	Fine-silty, mixed, active, mesic Aeric Fragiaqualfs
*Bartle-----	Fine-silty, mixed, active, mesic Aeric Fragic Epiaqualfs
Beanblossom-----	Loamy-skeletal, mixed, active, mesic Fluventic Dystrudepts
Berks-----	Loamy-skeletal, mixed, active, mesic Typic Dystrudepts
Birds-----	Fine-silty, mixed, superactive, nonacid, mesic Typic Fluvaquents
Blocher-----	Fine-silty, mixed, active, mesic Oxyaquic Hapludalfs
Bonnell-----	Fine, mixed, active, mesic Typic Hapludalfs
Brownstown-----	Loamy-skeletal, mixed, active, mesic Typic Dystrudepts
Chetwynd-----	Fine-loamy, mixed, semiactive, mesic Typic Hapludults
Cincinnati-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Crosby-----	Fine, mixed, active, mesic Aeric Epiaqualfs
Fincastle-----	Fine-silty, mixed, superactive, mesic Aeric Epiaqualfs
*Gilpin-----	Fine-loamy, mixed, semiactive, mesic Typic Hapludults
*Gilpin-----	Fine-silty, mixed, semiactive, mesic Typic Hapludults
Gilwood-----	Fine-loamy, mixed, semiactive, mesic Typic Hapludults
Gnawbone-----	Fine-silty, mixed, semiactive, mesic Typic Hapludults
Haymond-----	Coarse-silty, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Hickory-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
*Kendallville-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Kurtz-----	Fine-silty, mixed, semiactive, mesic Ultic Hapludalfs
Miami-----	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
Orthents-----	Orthents
Pekin-----	Fine-silty, mixed, active, mesic Aquic Fragiudults
*Pekin-----	Coarse-silty, mixed, active, mesic Aquic Fragiudults
*Pekin-----	Fine-silty, mixed, active, mesic Fragiaquic Hapludults
Rainsville-----	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
*Rossmoyne-----	Fine-silty, mixed, active, mesic Aquic Fragiudalfs
Senachwine-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
*Spickert-----	Fine-silty, mixed, active, mesic Fragiaquic Hapludults
Steff-----	Fine-silty, mixed, active, mesic Fluvaquentic Dystrudepts
Stendal-----	Fine-silty, mixed, active, acid, mesic Fluventic Endoaquepts
Stonehead-----	Fine-silty, mixed, active, mesic Oxyaquic Hapludalfs
*Tilsit-----	Fine-silty, mixed, active, mesic Typic Fragiudults
Trevlac-----	Loamy-skeletal, mixed, active, mesic Typic Hapludults
*Trevlac-----	Fine-silty, mixed, semiactive, mesic Typic Hapludults
Udorthents, loamy---	Udorthents
Wakeland-----	Coarse-silty, mixed, superactive, nonacid, mesic Aeric Fluvaquents
Wellrock-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs

Soil name	Family or higher taxonomic class
Wellston-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs
*Wellston-----	Fine-silty, mixed, active, mesic Typic Hapludults
Wilbur-----	Coarse-silty, mixed, superactive, mesic Fluvaquentic Eutrudepts
Wrays-----	Fine-silty, mixed, active, mesic Typic Hapludults
Xenia-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs

- *Bartle taxadjunct is for map units BbhA and BbiB.
- *Gilpin, fine-silty, taxadjunct is for map unit GnF.
- *Pekin, coarse-silty, taxadjunct is for map unit PeC2.
- *Pekin, Fraguaquic, taxadjunct is for map units BbiB and PcrC2.
- *Trevlac taxadjunct is for map unit SxD2.
- *Wellston taxadjunct is for map units GpD, WaD and WeC2.

BROWN COUNTY, INDIANA AMENDMENT NO. 1

Approval Signatures and Date

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 Date

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 Date

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