

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

**FIRST AMENDMENT
TO THE
JUNE 1978 CLASSIFICATION AND CORRELATION
OF THE SOILS OF
DUBOIS COUNTY, INDIANA**

APRIL 2006

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

AMENDMENT NO. 1

Pages 2 to 5 – Changes and Addition to the Soil Correlation Legend -

Change the following map unit name-

<u>Map Symbol</u>	<u>Approved name (1978)</u>	<u>Approved Name - Amended (2005)</u>
Bo	Bonnie silt loam	Bonnie silt loam, frequently flooded
Bu	Burnside silt loam	Burnside silt loam, occasionally flooded
Ch	Chagrín silt loam	Chagrín silt loam, frequently flooded
Cu	Cuba silt loam	Cuba silt loam, frequently flooded
No	Nolin silt loam	Nolin silt loam, frequently flooded
PeB	Pekin silt loam, 2 to 6 percent slopes	Pekin silt loam, 2 to 6 percent slopes, rarely flooded
PeC2	Pekin silt loam, 6 to 12 percent slopes, eroded	Pekin silt loam, 6 to 12 percent slopes, eroded, rarely flooded
Ph	Petrolia silty clay loam	Petrolia silty clay loam, frequently flooded
Sf	Steff silt loam	Steff silt loam, frequently flooded
St	Stendal silt loam	Stendal silt loam, frequently flooded

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
Uaa	Udorthents, cut and filled	Uaa	Udorthents, cut and filled
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 “Uaa – Udorthents, cut and filled” map unit is added for disturbed areas along major roads. These areas are mostly adjacent to Perry County.

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

Page 8 – Replace the Conventional and Special Symbols Legend from the 1978 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>
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.
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.
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.
MAR	Marsh or swamp	A water saturated, very poorly drained area, intermittently or permanently covered by water. Sedges, cattails, and rushes dominate marsh areas. Trees or shrubs dominate swamps. 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.
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.

<u>Feature</u>	<u>Name</u>	<u>Description</u>
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.
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.
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.

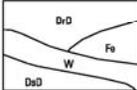
Only the following ad hoc features will be shown on the legend and placed on the digitized soil maps:

<u>Label</u>	<u>Symbol ID</u>	<u>Name</u>	<u>Description</u>
DCS	1	Dark colored, clayey soils	An area of dark-colored, clayey soils in slight depressions. Typically 0.2 to 2 acres.
MUC	30	Muck spot	An area within a poorly drained or very poorly drained soil that has a histic epipedon or where the surface is organic. The spot symbol is used only in map units consisting of mineral soil. 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

State: Indiana

Date: MARCH 2006

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)			
Mine or quarry					
Rock outcrop					
Sandy spot					
Severely eroded spot					
Smectite					
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		GRD	23	
DKS	2		WIA	24	
QVW	3		CGW	25	
YKS	4		HLL	26	
EAS	5		SID	28	
MAS	6		29	29	
SAS	7		30	30	
CAF	8		31	31	
CAL	9		32	32	
SLR	10		33	33	
QVW	11		34	34	
SRV	12		35	35	
SRW	13		MRL	36	
BRD	14		37	37	
ODR	15		38	38	
SDR	16		39	39	
LBR	17		40	40	
WDP	18		VSE	41	
SBR	19		42	42	
COB	20		43	43	
CNS	21		44	44	
FES	22		45	45	

Page 13 – Replace the Classification of the Soils table with the following:

Dubois 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
Alford-----	Fine-silty, mixed, superactive, mesic Ultic Hapludalfs
Bartle-----	Fine-silty, mixed, active, mesic Aeric Fragiaqualfs
Berks-----	Loamy-skeletal, mixed, active, mesic Typic Dystrudepts
Bonnie-----	Fine-silty, mixed, active, acid, mesic Typic Fluvaquents
Burnside-----	Loamy-skeletal, mixed, active, mesic Oxyaquic Dystrudepts
*Chagrín-----	Coarse-loamy, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Cuba-----	Fine-silty, mixed, active, mesic Fluventic Dystrudepts
Dubois-----	Fine-silty, mixed, active, mesic Aeric Fragiaqualfs
Gilpin-----	Fine-loamy, mixed, active, mesic Typic Hapludults
Johnsburg-----	Fine-silty, mixed, active, mesic Aquic Fragiudults
McGary-----	Fine, mixed, active, mesic Aeric Epiaqualfs
Montgomery-----	Fine, mixed, active, mesic Vertic Endoaquolls
Negley-----	Fine-loamy, mixed, active, mesic Typic Paleudalfs
*Negley-----	Fine-loamy, mixed, semiactive, mesic Typic Hapludults
Nolin-----	Fine-silty, mixed, active, mesic Dystric Fluventic Eutrudepts
Orthents-----	Fine-loamy, mixed, active, acid, mesic Typic Udorthents
Otwell-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Parke-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Pekin-----	Fine-silty, mixed, active, mesic Aquic Fragiudults
Peoga-----	Fine-silty, mixed, superactive, mesic Fragic Epiaqualfs
Petrolia-----	Fine-silty, mixed, superactive, nonacid, mesic Fluvaquentic Endoaquepts
Pike-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Princeton-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Steff-----	Fine-silty, mixed, active, mesic Fluvaquentic Dystrudepts
Stendal-----	Fine-silty, mixed, active, acid, mesic Fluventic Endoaquepts
Tilsit-----	Fine-silty, mixed, active, mesic Typic Fragiudults
Wellston-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Zanesville-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs

*Negley taxadjunct is for map units NeD3, NeF and NgD2.

DUBOIS COUNTY, INDIANA AMENDMENT NO. 1

Approval Signatures and Date

TRAVIS NEELY
State Soil Scientist/MLRA Leader
Indianapolis, Indiana

Date

WILLIAM H. CRADDOCK
State Soil Scientist/MLRA Leader
Lexington, Kentucky

Date

J. XAVIER MONTOYA
Acting State Conservationist
Indianapolis, Indiana

Date