

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

**FIRST AMENDMENT
 TO THE
 CLASSIFICATION AND CORRELATION
 OF THE SOILS OF
 PORTER COUNTY, INDIANA**

July 2002

This amendment results from digitizing the Porter County Soil Survey and updating the NASIS database for SSURGO certification.

AMENDMENT NO. 1

Additions

Add the following map unit symbol and name to the legend:

<u>Symbol</u>	<u>Name</u>
W	Water

Page 15 – Replace the Classification of the Soils table with the following table.

**Classification of the Soils
 (Keys to Soil Taxonomy, Eighth Edition, 1998)**

(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
Adrian-----	Sandy or sandy-skeletal, mixed, euic, mesic Terric Haplosaprists
Alida-----	Fine-loamy, mixed, active, mesic Aquollic Hapludalfs
Blount-----	Fine, illitic, mesic Aeric Epiaqualfs
Bourbon-----	Coarse-loamy, mixed, active, mesic Aquultic Hapludalfs
Brems-----	Mixed, mesic Aquic Udipsamments
Chelsea-----	Mixed, mesic Lamellic Udipsamments
Del Rey-----	Fine, illitic, mesic Aeric Epiaqualfs
Door-----	Fine-loamy, mixed, active, mesic Ultic Hapludalfs
Edwards-----	Marly, euic, mesic Limnic Haplosaprists
Elliott-----	Fine, illitic, mesic Aquic Argiudolls
Elston-----	Coarse-loamy, mixed, active, mesic Typic Argiudolls
Fluvaquents-----	Loamy, mixed, mesic Fluvaquents

Classification of the Soils (continued)
(Keys to Soil Taxonomy, Eighth Edition, 1998)

(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
Gilford-----	Coarse-loamy, mixed, superactive, mesic Typic Endoaquolls
Hanna-----	Coarse-loamy, mixed, active, mesic Aquultic Hapludalfs
Haskins-----	Fine-loamy, mixed, active, mesic Aeric Epiaqualfs
Houghton-----	Euic, mesic Typic Haplosaprists
Lydick-----	Fine-loamy, mixed, active, mesic Mollic Hapludalfs
Markham-----	Fine, illitic, mesic Oxyaquic Hapludalfs
Martinsville-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Maumee-----	Sandy, mixed, mesic Typic Endoaquolls
Metea-----	Loamy, mixed, active, mesic Arenic Hapludalfs
Milford-----	Fine, mixed, superactive, mesic Typic Endoaquolls
Morley-----	Fine, illitic, mesic Oxyaquic Hapludalfs
Morocco-----	Mixed, mesic Aquic Udipsamments
Newton-----	Sandy, mixed, mesic Typic Humaquepts
Oakville-----	Mixed, mesic Typic Udipsamments
*Palms-----	Loamy, mixed, euic, mesic Terric Haplosaprists
Pewamo-----	Fine, mixed, active, mesic Typic Argiaquolls
Pinhook-----	Coarse-loamy, mixed, superactive, mesic Mollic Endoaqualfs
Plainfield-----	Mixed, mesic Typic Udipsamments
Psamments-----	Psamments
Rawson-----	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
Riddles-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Sebewa-----	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Argiaquolls
Selfridge-----	Loamy, mixed, active, mesic Aquic Arenic Hapludalfs
Suman-----	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Fluvaquentic Endoaquolls
Tracy-----	Coarse-loamy, mixed, active, mesic Ultic Hapludalfs
Tyner-----	Mixed, mesic Typic Udipsamments
Udorthents-----	Loamy, mixed, mesic Udorthents 1/
Udorthents-----	Udorthents 2/
Wallkill-----	Fine-loamy, mixed, superactive, nonacid, mesic Fluvaquentic Humaquepts
Warners-----	Fine-silty, carbonatic, mesic Fluvaquentic Endoaquolls
Washtenaw-----	Fine-loamy, mixed, active, nonacid, mesic Aeric Fluvaquents
Whitaker-----	Fine-loamy, mixed, active, mesic Aeric Endoaqualfs

1/ UcG Udorthents, loamy, 3 to 30 percent slopes

2/ UbA Udorthents, 0 to 3 percent slopes

Pages 9 and 10 – Replace the Conventional and Special Symbols Legend with the following Conventional and Special Symbols Legend and descriptions. Only those symbols checked will be used.

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL																																																																																												
CULTURAL FEATURES		SPECIAL SYMBOLS FOR SOIL SURVEY AND SSURGO		SPECIAL SYMBOLS FOR SOIL SURVEY AND SSURGO																																																																																													
BOUNDARIES		SOIL DELINEATIONS AND SYMBOLS		RECOMMENDED AD HOC SOIL SYMBOLS																																																																																													
National, state, or province	---			<table border="1" style="font-size: small; width: 100%;"> <thead> <tr> <th>SYMBOL_ID</th> <th>SYMBOL</th> <th>SYMBOL_ID</th> <th>SYMBOL</th> </tr> </thead> <tbody> <tr><td>DCS 1</td><td>✱</td><td>CRO 23</td><td>⊕</td></tr> <tr><td>DKS 2</td><td>⊠</td><td>MIA 24</td><td>⊙</td></tr> <tr><td>OWW 3</td><td>□</td><td>CGM 25</td><td>⊙</td></tr> <tr><td>VMS 4</td><td>⊗</td><td>26</td><td>⊕</td></tr> <tr><td>EAS 5</td><td>⊠</td><td>27</td><td>⊕</td></tr> <tr><td>MAS 6</td><td>⊗</td><td>28</td><td>⊕</td></tr> <tr><td>SAS 7</td><td>⊠</td><td>29</td><td>⊕</td></tr> <tr><td>CAF 8</td><td>⊠</td><td>MUC 30</td><td>⊠</td></tr> <tr><td>CAL 9</td><td>⊠</td><td>31</td><td>⊕</td></tr> <tr><td>SLR 10</td><td>⊠</td><td>32</td><td>⊕</td></tr> <tr><td>DUM 11</td><td>⊗</td><td>33</td><td>⊕</td></tr> <tr><td>BRV 12</td><td>⊠</td><td>34</td><td>⊕</td></tr> <tr><td>BRM 13</td><td>⊠</td><td>MRL 35</td><td>⊕</td></tr> <tr><td>BRD 14</td><td>⊠</td><td>36</td><td>+</td></tr> <tr><td>OBR 15</td><td>⊗</td><td>37</td><td>+</td></tr> <tr><td>SSR 16</td><td>⊗</td><td>38</td><td>⊕</td></tr> <tr><td>LBR 17</td><td>⊗</td><td>39</td><td>⊕</td></tr> <tr><td>WDP 18</td><td>⊗</td><td>VSE 40</td><td>⊕</td></tr> <tr><td>SBR 19</td><td>⊗</td><td>41</td><td>+</td></tr> <tr><td>COB 20</td><td>⊗</td><td>42</td><td>⊕</td></tr> <tr><td>CNS 21</td><td>⊗</td><td>43</td><td><</td></tr> <tr><td>FES 22</td><td>⊗</td><td>UWT 44</td><td>⊕</td></tr> </tbody> </table>		SYMBOL_ID	SYMBOL	SYMBOL_ID	SYMBOL	DCS 1	✱	CRO 23	⊕	DKS 2	⊠	MIA 24	⊙	OWW 3	□	CGM 25	⊙	VMS 4	⊗	26	⊕	EAS 5	⊠	27	⊕	MAS 6	⊗	28	⊕	SAS 7	⊠	29	⊕	CAF 8	⊠	MUC 30	⊠	CAL 9	⊠	31	⊕	SLR 10	⊠	32	⊕	DUM 11	⊗	33	⊕	BRV 12	⊠	34	⊕	BRM 13	⊠	MRL 35	⊕	BRD 14	⊠	36	+	OBR 15	⊗	37	+	SSR 16	⊗	38	⊕	LBR 17	⊗	39	⊕	WDP 18	⊗	VSE 40	⊕	SBR 19	⊗	41	+	COB 20	⊗	42	⊕	CNS 21	⊗	43	<	FES 22	⊗	UWT 44	⊕
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Land grant (Optional)	---	Other than bedrock																																																																																															
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Airport (Label only)	Davis Airport or Airstrip	SINKHOLE		◇																																																																																													
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ROAD EMBLEMS & DESIGNATIONS		Borrow pit		⊠																																																																																													
Interstate		Gravel pit		⊗																																																																																													
Federal		Mine or quarry		⊗																																																																																													
State		MISCELLANEOUS SURFACE FEATURES																																																																																															
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		Clay spot		⊗																																																																																													
		Gravelly spot		⊖																																																																																													
		Marsh or swamp		⊖																																																																																													
		Rock outcrop (includes sandstone and shale)		⊖																																																																																													
		Sandy spot		⊖																																																																																													
		Severely eroded spot		⊖																																																																																													
		Slide or slip		⊖																																																																																													
		Spoil area		⊖																																																																																													
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↓ Denotes SSURGO features and symbol.

LABEL	NAME	DESCRIPTION
BLO	Blowout	A small saucer, cup, or trough-shaped hollow or depression formed by wind erosion, on a pre-existing sand deposit. Typically 0.2 to 2.0 acres.
DEP	Depression, closed	A shallow, saucer-shaped area that is slightly lower on the landscape than the surrounding area and is without a natural outlet for surface drainage. Typically 0.2 to 2.0 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 2.0 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.
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 2.0 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. Not used in map units where the named components are poorly or very poorly drained. Typically 0.2 to 2.0 acres.
MRL	Marl spot	Areas where the mineral or muck surface has been eroded or been removed, exposing marl at the surface. Typically 0.2 to 2.0 acres.
MUC	Muck spot	An area within a poorly drained or very poorly drained soil that has a proportional amount of organic carbon, between 12 and 18 percent or more depending on clay content. Spot symbol is used in a map unit consisting of mineral soil. Typically 0.2 to 2.0 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 2.0 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.
UWT	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 2.0 acres.

Conversion Legend for Special Symbols:

Field	Approved
<u>Symbol</u>	<u>Symbol</u>
WAT	UWT
	MUC
MUL	MUC
#	MUC

Approval Signatures

 TRAVIS NEELY Date
 State Soil Scientist/MLRA Team Leader

 JANE E. HARDISTY Date
 State Conservationist