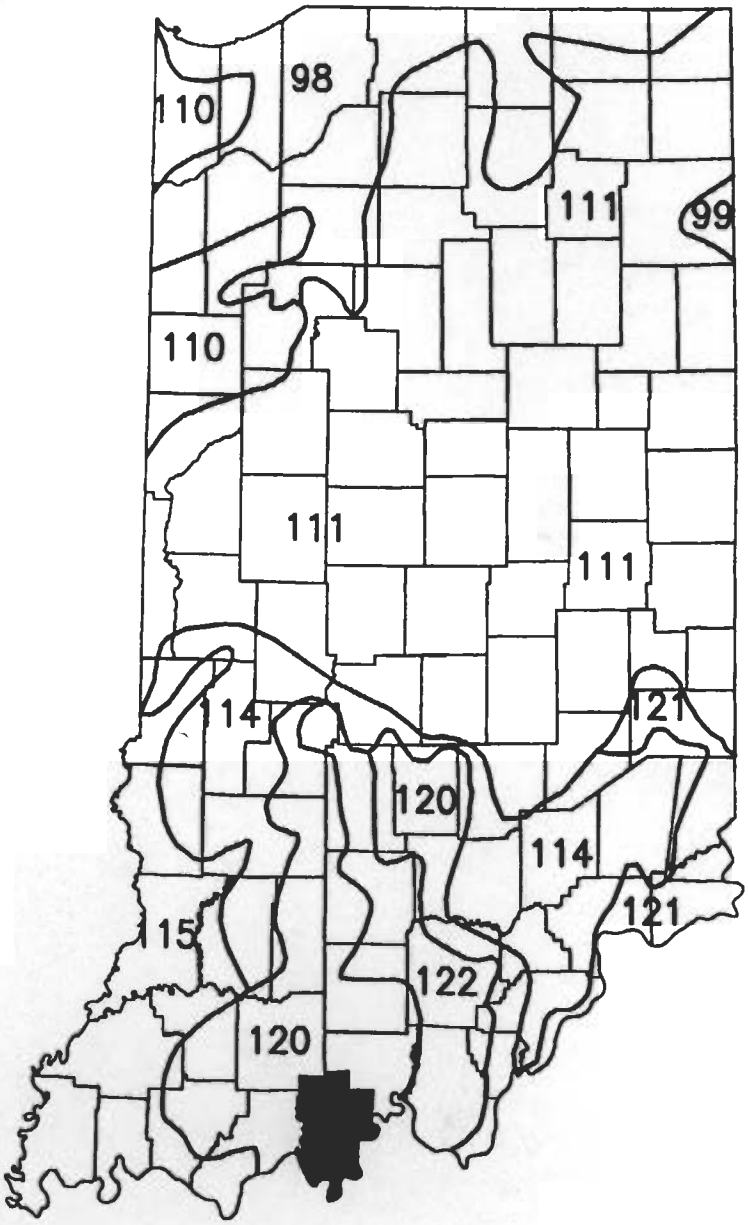
United States
Department of
Agriculture

Natural Resources
Conservation Service

East Central Glaciated
Regional MLRA
Soil Survey Office
Indianapolis, IN

Central and Southern
Appalachan
Regional MLRA
Soil Survey Office
Morgantown, WV

Classification and Correlation of Soils in Perry County, Indiana



May, 1997

United States Department of Agriculture

Natural Resources Conservation Service

Classification and Correlation of the Soils of Perry County, Indiana

A Subset of MLRA 120

This correlation was prepared by Byron G. Nagel, MLRA Project Leader in February, 1997. A preliminary correlation conference was conducted April 1-5, 1996 at the Natural Resources Conservation Service office in Cannelton, Indiana. The Correlation Conference was conducted by Byron G. Nagel, Soil Data Quality Specialist, MLRA Region 11. Other participants were Steve Neyhouse, Project Leader; Ken McWilliams, Resource Soil Scientist; and Roy Pyle, Soil Data Quality Specialist, MLRA Region 13. Roy Pyle, Soil Data Quality Specialist, MLRA Region 13 made the technical review of this document.

In preparing this correlation, the following was available: 1) soil survey text manuscript, 2) soil maps, 3) field notes and transect data, 4) soil correlation samples, 5) laboratory data, 6) soil interpretation records, and 7) SOI-6 file.

Headnote for Detailed Soil Survey Legend

Map symbols consist of a combination of letters, or letters and numbers. The first capital letter is the initial one of the map unit name. Then two lower case letters that follow separate the map units having names that begin with the same letter. The second capital letter indicates the slope class. Symbols without a slope letter are for miscellaneous areas. Symbols ending with a number indicates the erosion class. Symbols ending with a capital letter as the fifth character indicate inundation phases or other soil phases.

SOIL CORRELATION OF
PERRY COUNTY, INDIANA

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
GlD2, WeD2, WeD, GlD, ZaD2, WeC2, WeC3	Gilpin Variant-Wellston-Rosine Variant silt loams, 8 to 20 percent slopes, eroded	AbvD2	Adyeville-Wellston-Deuchars silt loams, 8 to 20 percent slopes, eroded
GlD3, WeD3, GlD4, ZaD3	Gilpin Variant-Wellston-Rosine Variant complex, 8 to 20 percent slopes, severely eroded	AbvD3	Adyeville-Wellston-Deuchars silt loams, 8 to 20 percent slopes, severely eroded
GlF, WeE, WeE3, EbF, CoE, BgG, EbE, EbE3, GmF, GlE3, GlE2, WgE	Gilpin Variant-Berks Variant-Ebal complex, very rocky, 20 to 50 percent slopes	AccG	Adyeville-Tipsaw-Ebal complex, 20 to 50 percent slopes, very rocky
AfF, AfG, UnE, UnF, UnG, AfE2, AfE3, AfE	Alford silt loam, 18 to 40 percent slopes	AcuF	Alford silt loam, 18 to 35 percent slopes
BlF, BlG, PrE	Bloomfield-Alvin complex, 18 to 40 percent slopes	AfzG	Alvin-Tobinsport complex, 25 to 45 percent slopes
ZaA	Zanesville Variant silt loam, 0 to 2 percent slopes	AgrA	Apalona silt loam, 0 to 2 percent slopes
ZaB, ZaB2, ZaB3, RoB2, EbB2	Zanesville Variant silt loam, 2 to 6 percent slopes	AgrB	Apalona silt loam, 2 to 6 percent slopes
ZaC2, ZaC, HoC, HoC2, PeC2	Zanesville Variant silt loam, 6 to 12 percent slopes, eroded	AgrC2	Apalona silt loam, 6 to 12 percent slopes, eroded

PERRY COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
ZaC3, HoC3, PeC3	Zanesville Variant silt loam, 6 to 12 percent slopes, severely eroded	AgrC3	Apalona silt loam, 6 to 12 percent slopes, severely eroded
BlC2, BlC, BlC3, AnC, PrC, PrC2, PrC3, BlD, PrD2	Bloomfield-Alvin complex, 6 to 15 percent slopes eroded	BkeC2	Bloomfield-Alvin complex, 6 to 15 percent slopes, eroded
PgA, BoA, Bo, Pg	Bonnie silt loam, 0 to 1 percent slopes, frequently flooded	BodAH	Bonnie silt loam, 0 to 1 percent slopes, frequently flooded, brief duration
BdA, Bd	Bonnie silt loam, ponded, 0 to 1 percent slopes, frequently flooded	BodAM	Bonnie silt loam, ponded, 0 to 1 percent slopes, frequently flooded, brief duration
LaA, La, HxA	Landes Variant loam, 0 to 2 percent slopes, frequently flooded	CndAH	Combs loam, 0 to 2 percent slopes, frequently flooded, brief duration
EkB, Cu, CuA, EkB2, EkB3, SfA	Cuba silt loam, 0 to 2 percent slopes, frequently flooded	CwaAH	Cuba silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
RoC2, EbC2, EbC3, RoC3, SwC2, SwC3	Rosine Variant silt loam, 6 to 12 percent slopes, eroded	DduC2	Deuchars silt loam, 6 to 12 percent slopes, eroded
EbD2, CrD2, RoD2, EbD, SwD, SwD2, EbC, BeD2	Ebal-Rosine Variant-Lenberg Variant complex, 12 to 24 percent slopes, eroded	EabD2	Ebal-Deuchars-Kitterman complex, 12 to 24 percent slopes, eroded

PERRY COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
EbD3, SwD3, BeD3, RoD3, CsD3	Ebal-Rosine Variant-Lenberg Variant complex, 12 to 24 percent slopes, severely eroded	EabD3	Ebal-Deuchars-Kitterman complex, 12 to 24 percent slopes, severely eroded
CvA, EkA, PeA, PeB, PkB, PkA, PeB2	Cuba silt loam, moderately wet substratum, 0 to 2 percent slopes, rarely flooded	EemAQ	Elk silt loam, moderately wet substratum, 0 to 2 percent slopes, rarely flooded
ElA, WhA, WnA	Elkinsville-Wheeling Variant complex, 0 to 2 percent slopes	EesA	Elkinsville-Millstone complex, 0 to 2 percent slopes
ElAQ, WhAQ, WnAQ	Elkinsville-Wheeling Variant complex, 0 to 2 percent slopes rarely flooded, brief duration	EesAQ	Elkinsville-Millstone complex, 0 to 2 percent slopes, rarely flooded
ElD2	Elkinsville-Wheeling Variant complex, 12 to 18 percent slopes, eroded	EesD2	Elkinsville-Millstone complex, 12 to 18 percent slopes, eroded
ElD2Q	Elkinsville-Wheeling Variant complex, 12 to 18 percent slopes, eroded, rarely flooded, brief duration	EesDQ	Elkinsville-Millstone complex, 12 to 18 percent slopes, eroded, rarely flooded
EkF, EesF	Elkinsville silt loam, 12 to 40 percent slopes	EesFQ	Elkinsville-Millstone complex, 18 to 40 percent slopes, rarely flooded
BuA, Bu, BbA, BuB, Bb	Beanblossom Variant loam, 0 to 2 percent slopes, occasionally flooded	GacAK	Gatchel loam, 0 to 2 percent slopes, occasionally flooded, very brief duration

PERRY COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
GtA, Gt	Ginat silt loam, 0 to 1 percent slopes	GhaA	Ginat silt loam, 0 to 1 percent slopes
HnA, HeA	Henshaw Variant silt loam, 0 to 2 percent slopes	HbhA	Hartz silt loam, 0 to 2 percent slopes
WbA, WbB, WbB2	Weinbach silt loam, 0 to 2 percent slopes	HcaA	Hatfield silt loam, 0 to 2 percent slopes
WbAQ, WbBQ, WbB2Q	Weinbach silt loam, 0 to 2 percent slopes, rarely flooded, brief duration	HcaAQ	Hatfield silt loam, 0 to 2 percent slopes, rarely flooded
HdA, Ha, Hd, Ho	Haymond silt loam, 0 to 2 percent slopes, frequently flooded	HcgAH	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
HcgAQ	Haymond silt loam 0 to 2 percent slopes, rarely flooded, very brief duration	HcgAQ	Haymond silt loam, 0 to 2 percent slopes, rarely flooded
HoB, HoB2	Hosmer silt loam, 2 to 6 percent slopes	HsaB2	Hosmer silt loam, 2 to 6 percent slopes, eroded
HuA, Hu, HtA	Huntington silty clay loam, 0 to 2 percent slopes, frequently flooded	HubAH	Huntington silty clay loam, 0 to 2 percent slopes, frequently flooded, brief duration
JoA	Johnsburg silt loam, 0 to 2 percent slopes	JoaA	Johnsburg silt loam, 0 to 2 percent slopes
EwF	Jubin - Branchville - Rock outcrop complex 15 to 50 percent slopes, very bouldery	JoeG	Jubin-Branchville-Rock outcrop complex, 20 to 50 percent slopes, very bouldery

PERRY COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
IvA, IvB	Iva Variant silt loam, 0 to 2 percent slopes	LeaA	Lauer silt loam, 0 to 2 percent slopes
MaC2, UnC2, MuC	Markland silt loam, 6 to 12 percent slopes, eroded	McgC2	Markland silt loam, 6 to 12 percent slopes, eroded
MaF, MkF3, MkF, MaG, MaF2, MaF3, McnG	Markland silt loam, 18 to 50 percent slopes	McnGQ	Markland silt loam, 18 to 50 percent slopes, rarely flooded
MkC3, MaC3, UnC3, MuC3	Markland silty clay loam, 6 to 12 percent slopes, severely eroded	McpC3	Markland silty clay loam, 6 to 12 percent slopes, severely eroded
MkD3, UnD2, UnD3, MkE3, MaE3, MaD3, MaD2, MaE, McuD3	Markland silty clay loam, 12 to 25 percent slopes, severely eroded	McuDQ	Markland silty clay loam, 12 to 25 percent slopes, severely eroded, rarely flooded
NoA, No, NnA, LnA	Nolin Variant silty clay loam, 0 to 2 percent slopes, frequently flooded	MhkAH	McAdoo silty clay loam, 0 to 2 percent slopes, frequently flooded, brief duration
MrA, Mr, MrB	McGary silt loam, 0 to 2 percent slopes	MhuA	McGary silt loam, 0 to 2 percent slopes
ElB, WhB2, WhB, WnB, Wh, WnB2	Wheeling Variant-Elkinsville complex, 2 to 6 percent slopes	MsbB	Millstone-Elkinsville complex, 2 to 6 percent slopes
ElBQ, WhB2Q, WhBQ, WnBQ, WhQ, WnB2Q	Wheeling Variant-Elkinsville complex, 2 to 6 percent slopes, rarely flooded, brief duration	MsbBQ	Millstone-Elkinsville complex, 2 to 6 percent slopes, rarely flooded

PERRY COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
ElC2, ScC2, ElC3, EkC3, WhC2, WhC3, ScC3, EkC2	Wheeling Variant-Elkinsville complex, 6 to 12 percent slopes, eroded	MsbC2	Millstone-Elkinsville complex, 6 to 12 percent slopes, eroded
ElC2Q, ScC2Q, ElC3Q, EkC3Q, WhC2Q, WhC3Q, ScC3Q, EkC2Q	Wheeling Variant-Elkinsville complex, 6 to 12 percent slopes, eroded, rarely flooded, brief duration	MsbCQ	Millstone-Elkinsville complex, 6 to 12 percent slopes, eroded, rarely flooded
NeA, Nk, Ne	Newark silty clay loam, 0 to 2 percent slopes, frequently flooded	NbgAH	Newark silty clay loam, 0 to 2 percent slopes, frequently flooded, brief duration
PhA, HrA	Peoga silt loam, 0 to 1 percent slopes	PhaA	Peoga silt loam, 0 to 1 percent slopes
UnA	Uniontown Variant silt loam, 0 to 2 percent slopes	PhwA	Percell silt loam, 0 to 2 percent slopes
UnB2, UnB3, BxB, MuB, MuB2	Uniontown Variant silt loam, 2 to 6 percent slopes, eroded	PhwB2	Percell silt loam, 2 to 6 percent slopes, eroded
MeA, PtA, PoA	Petrolia silty clay loam, 0 to 1 percent slopes, frequently flooded	PkaAH	Petrolia silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration
PrA	Princeton loam, 0 to 2 percent slopes	PsmA	Princeton loam, 0 to 2 percent slopes
RaA, Ra	Rahm silty clay loam, 0 to 2 percent slopes, frequently flooded	RatAH	Rahm silty clay loam, 0 to 2 percent slopes, frequently flooded, brief duration

PERRY COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
AfB, AfB2	Alford Variant-Alford silt loams, 2 to 6 percent slopes	RgvB	Rickert-Alford silt loams, 2 to 6 percent slopes
AfC2	Alford Variant-Alford silt loams, 6 to 12 percent slopes, eroded	RgvC2	Rickert-Alford silt loams, 6 to 12 percent slopes, eroded
AfC3	Alford Variant-Alford silt loams, 6 to 12 percent slopes, severely eroded	RgvC3	Rickert-Alford silt loams, 6 to 12 percent slopes, severely eroded
AfD3, AfD2, AlD2	Alford Variant-Alford silt loams, 12 to 18 percent slopes, severely eroded	RgvD3	Rickert-Alford silt loams, 12 to 18 percent slopes, severely eroded
CrB, CrB2, CrB3	Crider silt loam, 2 to 6 percent slopes	RtcB2	Ryker silt loam, 2 to 6 percent slopes, eroded
CrC2, CsC3	Crider silt loam, 6 to 12 percent slopes, eroded	RtcC2	Ryker silt loam, 6 to 12 percent slopes, eroded
ScA	Sciotoville silt loam, 0 to 2 percent slopes	ScbA	Sciotoville silt loam, 0 to 2 percent slopes
ScAQ	Sciotoville silt loam, 0 to 2 percent slopes, rarely flooded, brief duration	ScbAQ	Sciotoville silt loam, 0 to 2 percent slopes, rarely flooded
ScB, ScB2	Sciotoville silt loam, 2 to 4 percent slopes	ScdB	Sciotoville silt loam, 2 to 4 percent slopes
ScBQ, ScB2Q	Sciotoville silt loam, 2 to 4 percent slopes, rarely flooded, brief duration	ScdBQ	Sciotoville silt loam, 2 to 4 percent slopes, rarely flooded

PERRY COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
MaB2, MaB, MkB3, HnB2, HeB, HnB, HeB2	Shircliff silt loam, 2 to 6 percent slopes, eroded	SfyB2	Shircliff silt loam, 2 to 6 percent slopes, eroded
BaA, Bn, BnA, SnA, Sn, BnB	Stendal silt loam, 0 t0 2 percent slopes, frequently flooded	StdAH	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
UgC, FcC, FpB, FpC	Udorthents, mined, 2 to 12 percent slopes	TakC	Tapawingo silt loam, 2 to 12 percent slopes
UgD, FcD, UdF, UgF	Udorthents, mined, 12 to 20 percent slopes	TakD	Tapawingo silt loam, 12 to 20 percent slopes
PvA	Princeton Variant silt loam, 0 to 2 percent slopes	TckA	Tobinsport silt loam, 0 to 2 percent slopes
PvB, PvB2	Princeton Variant silt loam, 2 to 4 percent slopes	TckB	Tobinsport silt loam, 2 to 4 percent slopes
Ud, UdB, UdD, UdC	Udorthents, cut and filled	Uaa	Udorthents, cut and filled
AbB, AbA	Udipsamments sandy loam, 1 to 6 percent slopes, occasionally flooded	UabBK	Udipsamments sandy loam, 1 to 6 percent slopes, occassionally flooded, brief duration
Qu	Udorthents-Pits, quarries complex	Uas	Udorthents-Pits, quarries complex
UaC	Urbanland-Alford complex, 6 to 18 percent slopes	UddD	Urban land-Alford complex, 6 to 18 percent slopes

PERRY COUNTY, INDIANA --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
UhB	Urbanland-Weinbach-Wheeling Variant complex, 0 to 6 percent slopes	UehB	Urban land-Elkinsville-Hatfield complex, 0 to 6 percent slopes
UwA	Urbanland, protected	UffY	Urban land, leveed
Wcp, w, water Water Wct	Water noncensus	W	Water
WaA, Wa, Sh	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded	WaaAH	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
WaaAQ	Wakeland silt loam, 0 to 2 percent slopes, rarely flooded, very brief duration	WaaAQ	Wakeland silt loam, 0 to 2 percent slopes, rarely flooded
WrA, Wr, Wk	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded	WokAH	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
WokAQ	Wilbur silt loam, 0 to 2 percent slopes, rarely flooded, very brief duration	WokAQ	Wilbur silt loam, 0 to 2 percent slopes, rarely flooded
WtA, Wt, Ch	Wirt loam, 0 to 2 percent slopes, frequently flooded	WprAH	Wirt loam, 0 to 2 percent slopes, frequently flooded, brief duration
WxA, Wx, WxB	Woodmere silty clay loam, 0 to 2 percent slopes, frequently flooded	WrlAH	Woodmere silty clay loam, 0 to 2 percent slopes, frequently flooded, brief duration
ZpA, Zp, MyA, PaP, PaA	Zipp silty clay, 0 to 1 percent slopes	ZcaA	Zipp silty clay, 0 to 1 percent slopes

Series Established by this Correlation with Type Location in Perry County

Apalona

Branchville

Deuchars

Gatchel

Hartz

Hatfield

Jubin

Kitterman

Lauer

Millstone

Percell

Rickert

Tobinsport

Series Dropped or Made Inactive

None

Cooperators' Names and Credits

The cooperators for the front cover are:

United States Department of Agriculture
Natural Resources Conservation Service
in cooperation with the Purdue University
Agricultural Experiment Station, and the
United States Department of Agriculture
Forest Service.

The credits to be given on page ii of the published soil survey are as follows:

This survey was made cooperatively by the National Resources Conservation Service, the Purdue University Agricultural Experiment Station, and the Forest Service. It is part of the technical assistance furnished to the Perry County Soil and Water Conservation District.

Prior Soil Survey Publications

The last soil survey of Perry County was completed in 1966 and published by the United States Department of Agriculture, Soil Conservation Service in September 1969. Reference to the prior soil survey will be included in the literature citation of the manuscript. This survey replaces the September 1969 Soil Survey, and provides additional data, updated soil interpretations and 1:12,000 scale soil maps on an orthophotographic base.

Explanation of Map Unit Symbol Characters in the Indiana Statewide Legend

The first three characters are alpha characters which indicate the soil series and phases. The fourth character is an alpha character which represents the slope class. The fifth character is an alpha or numeric character and represents one of the following in Perry County:

2 Moderate Erosion Class
3 Severe Erosion Class
H Frequently flooded, brief duration
K Occasionally flooded, very brief or brief duration
M Frequently flooded, ponded
Q Rarely flooded
Y Leveed

In map units that have both an erosion class and flooding frequency, the character that represents flooding is used.

Instructions for Map Compilation, Map Finishing, and Digitizing

Map compilation and digitizing are to be completed by cartographic technicians at the NRCS Indianapolis Soil Survey Project Office. Selected county roads will be numbered. The bedrock escarpment and rock outcrop special symbols will not be compiled on the AecG and JoeG map units. Intermittent ditches are to be used in small valleys and in farm fields where the surrounding natural streams are intermittent. Perennial ditches are to be used in large valleys. The symbol for perennial water is to be placed on small ponds that may or may not be identified on the map sheets. All gully and mine/quarry special symbols will not be compiled. All special symbols are to be evaluated for times used and consistency after they are digitized. Rarely flooded phases of the Haymond (HcgAQ), Wakeland (WaaAQ), and Wilbur (WokAQ) soils have been noted on field sheets. A red line has been placed on the soil sheets and mylar sheets separating the rarely flooded from the frequently flooded map units.

Conventional and Special Symbols Legend

Only those symbols indicated on the NRCS-SOILS-37A (7/96) will be shown on the legend and placed on the soil maps. The definition of the special symbols sandy spot and wet spot are not defined in Perry County as is stated in Part 647 (7/96) of the National Soil Survey Handbook. Perennial water also includes miscellaneous water in Perry County.

NRCS-SOI-37A
7/96

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

Soil Survey Area: Perry Co.
State: Ind.

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

Date: 5/95

CULTURAL FEATURES

BOUNDARIES

- National, state, or province
- County or parish
- Minor civil division
- Reservation (national forest or park, state forest or park)
- Land grant
- Limit of soil survey (label) and/or denied access areas
- Field sheet matchline & neatline
- Previously Published Survey

OTHER BOUNDARY (label)

- Airport, airfield
- Cemetery
- City/county park

- STATE COORDINATE TICK
- LAND DIVISION CORNERS (section and land grants)
- GEOGRAPHIC COORDINATE TICK

TRANSPORTATION

- Divided roads
- Other roads
- Trail

ROAD EMBLEMS & DESIGNATIONS

- Interstate
- Federal
- State
- County, farm or ranch
- RAILROAD

- POWER TRANSMISSION LINE (normally not shown)
- PIPELINE (normally not shown)
- FENCE (normally not shown)

LEVEES

- Without road
- With road
- With railroad
- ‡ Single side slope (showing actual feature location)

- DAMS
  - Medium or small

LANDFORM FEATURES

- Prominent Hill or Peak
- Soil Sample Site

CULTURAL FEATURES (cont.)

MISCELLANEOUS CULTURAL FEATURES

- Farmstead, house (omit in urban areas)
- Church
- School
- Other Religion (label)
- Located object (label)
- Tank (label)
- Lookout Tower
- Oil and/or Natural Gas Wells
- Windmill
- Lighthouse

HYDROGRAPHIC FEATURES

STREAMS

- ‡ Perennial, double line
- Perennial, single line
- Intermittent
- Drainage end

DRAINAGE AND IRRIGATION

- ‡ Double line canal (label)
- Perennial drainage and/or irrigation ditch
- Intermittent drainage and/or irrigation ditch

SMALL LAKES, PONDS AND RESERVOIRS

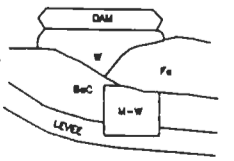
- ‡ Perennial water
- ‡ Miscellaneous water

- Flood pool line

MISCELLANEOUS WATER FEATURES

- Spring
- Well, artesian
- Well, irrigation

SPECIAL SYMBOLS FOR SOIL SURVEY AND SSURGO



- ‡ SOIL DELINEATIONS AND SOIL SYMBOLS

‡ LANDFORM FEATURES

ESCARPMENTS

- Bedrock
- Other than bedrock
- SHORT STEEP SLOPE
- GULLY
- DEPRESSION, closed
- SINKHOLE

‡ EXCAVATIONS

PITS

- Borrow pit
- Gravel pit
- Mine or quarry

- LANDFILL

‡ MISCELLANEOUS SURFACE FEATURES

- Blowout
- Clay spot
- Gravelly spot
- Lava flow
- Marsh or swamp
- Rock outcrop (includes sandstone and shale)
- Saline spot
- Sandy spot
- Severely eroded spot
- Slide or slip
- Sodic spot
- Spoil area
- Stony spot
- Very stony spot
- Wet spot

‡ RECOMMENDED AD HOC SOIL SYMBOLS

LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL
	1			23	
	2			24	
	3			25	
	4			26	
	5			27	
	6			28	
	7			29	
	8			30	
	9			31	
	10			32	
	11			33	
	12			34	
	13			35	
	14			36	
	15			37	
	16			38	
	17			39	
	18			40	
	19			41	
	20			42	
	21			43	
	22			44	

DEFINITIONS OF SPECIAL FEATURES FOR PERRY COUNTY,
INDIANA SOIL SURVEY

Feature	Label	Feature Definition
Escarpment, bedrock	ESB	A relatively continuous cliff or relatively steep slope produced by erosion or faulting, breaking the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock. Typically .5 to 3 acres.
Perennial water	WAT	Small natural or manmade lake, pond, or pit that contains water most of the year. Typically .2 to 2.5 acres.
Rock outcrop	ROC	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 .1 to .2 acres.
Sandy spot	SAN	An area of soil where the surface layer is sandy (loamy sand or sand) in an area where the surrounding soils have a loamy or clayey surface texture. Excluded are areas where the textural classes are adjoining, such as an area of loamy sand in a surrounding map unit. Typically .25 to 2 acres.
Severely eroded spot	ERO	An area where on the average 75 percent or more of the original surface layer has been lost from accelerated erosion. Typically .5 to 2.5 acres.
Short, steep slope	SLP	Narrow soil area that has slopes that are at least 2 slope classes steeper than the slope class of the surrounding map units. Typically 1 to 2.5 acres.
Sinkhole	SNK	A closed depression formed either by solution of the surficial rock or by collapse of underlying caves. Typically .5 to 2 acres.
Wet spot	WET	An area of soil that is poorly drained or very poorly drained and that is at least 2 drainage classes wetter than the named soils in the surrounding map unit. Typically .5 to 1.75 acres.

General Soil Map Units

The following map units will be used on the general soil map legend:

Adyeville - Ebal - Deuchars
Apalona
Haymond - Stendal - Gatchel
Millstone - Elkinsville - Markland

CONVERSION LEGEND FOR
PERRY COUNTY, INDIANA

Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol
w	W	Ch	WprAH	E1C3Q	MsbCQ	JoA	JoaA
water	W	CoE	AccG	E1D2	EesD2	La	CndAH
AbA	UabBK	CrB	RtcB2	EwF	JoeG	LaA	CndAH
AbB	UabBK	CrB2	RtcB2	FcC	TakC	LnA	MhkAH
AfB	RgvB	CrB3	RtcB2	FcD	TakD	MaB	SfyB2
AfB2	RgvB	CrC2	RtcC2	FpB	TakC	MaB2	SfyB2
AfC2	RgvC2	CrD2	EabD2	FpC	TakC	MaC2	McgC2
AfC3	RgvC3	CsC3	RtcC2	G1D	AbvD2	MaC3	McpC3
AfD2	RgvD3	CsD3	EabD3	G1D2	AbvD2	MaD2	McuDQ
AfD3	RgvD3	Cu	CwaAH	G1D3	AbvD3	MaD3	McuDQ
AfE	AcuF	CuA	CwaAH	G1D4	AbvD3	MaE	McuDQ
AfE2	AcuF	CvA	EemAQ	G1E2	AccG	MaE3	McuDQ
AfE3	AcuF	EbB2	AgrB	G1E3	AccG	MaF	McnGQ
AfF	AcuF	EbC	EabD2	G1F	AccG	MaF2	McnGQ
AfG	AcuF	EbC2	DduC2	GmF	AccG	MaF3	McnGQ
A1D2	RgvD3	EbC3	DduC2	Gt	GhaA	MaG	McnGQ
AnC	BkeC2	EbD	EabD2	GtA	GhaA	McnG	McnGQ
BaA	StdAH	EbD2	EabD2	Ha	HcgAH	McuD3	McuDQ
Bb	GacAK	EbD3	EabD3	HcgAQ	HcgAQ	MeA	PkaAH
BbA	GacAK	EbE	AccG	Hd	HcgAH	MkB3	SfyB2
Bd	BodAM	EbE3	AccG	HdA	HcgAH	MkC3	McpC3
BdA	BodAM	EbF	AccG	HeA	HbhA	MkD3	McuDQ
BeD2	EabD2	EesF	EesFQ	HeB	SfyB2	MkE3	McuDQ
BeD3	EabD3	EkA	EemAQ	HeB2	SfyB2	MkF	McnGQ
BgG	AccG	EkB	CwaAH	HnA	HbhA	MkF3	McnGQ
B1C	BkeC2	EkB2	CwaAH	HnB	SfyB2	Mr	MhuA
B1C2	BkeC2	EkB3	CwaAH	HnB2	SfyB2	MrA	MhuA
B1C3	BkeC2	EkC2	MsbC2	Ho	HcgAH	MrB	MhuA
B1D	BkeC2	EkC2Q	MsbCQ	HoB	HsaB2	MuB	PhwB2
B1F	AfzG	EkC3	MsbC2	HoB2	HsaB2	MuB2	PhwB2
B1G	AfzG	EkC3Q	MsbCQ	HoC	AgrC2	MuC	McgC2
Bn	StdAH	EkF	EesFQ	HoC2	AgrC2	MuC3	McpC3
BnA	StdAH	E1d2Q	EesDQ	HoC3	AgrC3	MyA	ZcaA
BnB	StdAH	E1A	EesA	HrA	PhaA	Ne	NbgAH
Bo	BodAH	E1AQ	EesAQ	HtA	HubAH	NeA	NbgAH
BoA	BodAH	E1B	MsbB	Hu	HubAH	Nk	NbgAH
Bu	GacAK	E1BQ	MsbBQ	HuA	HubAH	NnA	MhkAH
BuA	GacAK	E1C2	MsbC2	HxA	CndAH	No	MhkAH
BuB	GacAK	E1C2Q	MsbCQ	IvA	LeaA	NoA	MhkAH
BxB	PhwB2	E1C3	MsbC2	IvB	LeaA	PaA	ZcaA

PERRY COUNTY, INDIANA --Continued

Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol
PaP	ZcaA	SfA	CwaAH	Wcp	W	ZaB3	AgrB
PeA	EemAQ	Sh	WaaAH	Wct	W	ZaC	AgrC2
PeB	EemAQ	Sn	StdAH	WeC2	AbvD2	ZaC2	AgrC2
PeB2	EemAQ	SnA	StdAH	WeC3	AbvD2	ZaC3	AgrC3
PeC2	AgrC2	SwC2	DduC2	WeD	AbvD2	ZaD2	AbvD2
PeC3	AgrC3	SwC3	DduC2	WeD2	AbvD2	ZaD3	AbvD3
Pg	BodAH	SwD	EabD2	WeD3	AbvD3	Zp	ZcaA
PgA	BodAH	SwD2	EabD2	WeE	AccG	ZpA	ZcaA
PhA	PhaA	SwD3	EabD3	WeE3	AccG		
PkA	EemAQ	UaC	UddD	WgE	AccG		
PkB	EemAQ	Ud	Uaa	Wh	MsbB		
PoA	PkaAH	UdB	Uaa	WhA	EesA		
PrA	PsmA	UdC	Uaa	WhAQ	EesAQ		
PrC	BkeC2	UdD	Uaa	WhB	MsbB		
PrC2	BkeC2	UdF	TakD	WhB2	MsbB		
PrC3	BkeC2	UgC	TakC	WhB2Q	MsbBQ		
PrD2	BkeC2	UgD	TakD	WhBQ	MsbBQ		
PrE	AfzG	UgF	TakD	WhC2Q	MsbCQ		
PtA	PkaAH	UhB	UehB	WhC2	MsbC2		
PvA	TckA	UnA	PhwA	WhC3	MsbC2		
PvB	TckB	UnB2	PhwB2	WhC3Q	MsbCQ		
PvB2	TckB	UnB3	PhwB2	WhQ	MsbBQ		
Qu	Uas	UnC2	McgC2	Wk	WokAH		
Ra	RatAH	UnC3	McpC3	WnA	EesA		
RaA	RatAH	UnD2	McuDQ	WnAQ	EesAQ		
RoB2	AgrB	UnD3	McuDQ	WnB	MsbB		
RoC2	DduC2	UnE	AcuF	WnB2	MsbB		
RoC3	DduC2	UnF	AcuF	WnB2Q	MsbBQ		
RoD2	EabD2	UnG	AcuF	WnBQ	MsbBQ		
RoD3	EabD3	UwA	UffY	WokAQ	WokAQ		
ScA	ScbA	Wa	WaaAH	Wr	WokAH		
ScAQ	ScbAQ	WaaAQ	WaaAQ	WrA	WokAH		
ScB	ScdB	WaA	WaaAH	Wt	WprAH		
ScB2	ScdB	Water	W				
ScB2Q	ScdBQ	WbA	HcaA	Wx	WrlAH		
ScBQ	ScdBQ	WbAQ	HcaAQ	WxA	WrlAH		
ScC2	MsbC2	WbB	HcaA	WxB	WrlAH		
ScC2Q	MsbCQ	WbB2	HcaA	ZaA	AgrA		
ScC3	MsbC2	WbB2Q	HcaAQ	ZaB	AgrB		
ScC3Q	MsbCQ	WbBQ	HcaAQ	ZaB2	AgrB		

Classification of pedons sampled for Laboratory Analysis

Approved Series or Class Identification	Sampled as	Soil Survey Sample No.	Publication Symbol
Adyeville (a)	Gilpin	S89IN123-9	AccG (c)
Adyeville	Gilpin	S89IN123-7	AccG
Alvin	Princeton	S93IN123-8	BkeC2 (c)
Apalona	Zanesville	S92IN123-101	AgrB
Apalona (b)	Zanesville	S92IN123-102	AgrB
Apalona (b)	Zanesville	S92IN123-103	AgrB
Apalona	Zanesville	S92IN123-104	AgrB
Apalona (a)	Zanesville	S92IN123-105	AgrB (c)
Apalona (b)	Tilsit	S92IN25-1	N/A
Apalona	Zanesville	S92IN147-1	N/A
Bloomfield	Bloomfield	S93IN123-1	BkeC2 (c)
Bonnie	Bonnie	S94IN123-3	BodAH (c)
Bonnie (b)	Birds	S93IN123-16	BodAM (c)
Branchville (a)	Ewing	S92IN123-1	JoeG (c)
Deuchars (d)	Ebal	S91IN123-2	EabD2
Deuchars	Rosine	S92IN123-504	EabD2
Deuchars	Rosine	S92IN123-106	EabD2
Ebal	Ebal	S91IN123-1	EabD2
Ebal	Ebal	S91IN123-3	EabD2
Ebal (b,d)	Lenberg	S91IN123-7	AccG
Ebal (b)	Ebal	S92IN123-501	EabD2
Ebal (b)	Ebal	S92IN123-506	EabD2
Ebal (base status)	Ebal	S89IN123-2	EabD3
Ebal	Ebal	S89IN123-4	EabD2 (c)
Elkinsville	Elkinsville	S93IN123-15	MsbB (c)
Gatchel (a)	Beanblossom	S90IN123-1	GacAK (c)
Ginat (a)	Ginat Variant	S96IN147-1	N/A
Ginat (b)	Ginat	S91IN123-104	GhaA
Hartz (a)	Henshaw	S93IN123-5	HbhA (c)
Hatfield (a)	Weinbach Variant	S96IN123-1	HcaA (c)
Hatfield	Weinbach Variant	S96IN123-2	HcaA
Huntington (b)	Huntington	S91IN123-103	HubAH
Jubin (a)	Jubin	S92IN123-2	JoeG (c)
Kitterman (b)	Ebal Variant	S89IN123-10	EabD2
Kitterman (b)	SND	S91IN123-11	EabD2
Kitterman (a)	Lenberg	S92IN123-502	EabD2 (c)
Kitterman	Lenberg	S92IN123-505	EabD2
Lauer	Iva Variant	S93IN123-4	LeaA
Markland (a)	Markland	S92IN123-3	McnG (c)
McAdoo	Nolin	S93IN123-9	MhkAH
McGary	McGary	S91IN123-101	MhuA (c)
Millstone (a)	Wheeling	S93IN123-6	EesA (c)
Millstone	Wheeling	S91IN123-102	MsbB (c)
Newark	Newark	S93IN123-13	NbgAH (c)
Peoga	Peoga Variant	S94IN123-2	PhaA (c)
Percell (a)	Uniontown	S93IN123-11	PhwB2 (c)
Rahm	Rahm	S94IIN123-12	RatAH
Rickert (a)	Alford	S93IN123-14	RgvC2 (c)
Ryker	Crider	S94IN123-4	RtcC2 (c)

Approved Series or Class Identification	Sampled as	Soil Survey Sample No.	Publication Symbol
Sciotoville (b)	Sciotoville	S93IN123-7	ScbA (c)
Shircliff (a)	Markland Variant	S93IN123-3	SfyB2 (c)
Stendal (b)	Banlic	S89IN123-5	StdAH
Stendal (b)	Banlic	S89IN123-6	StdAH (c)
Tipsaw (a)	Berks	S89IN123-8	AccG (c)
Tobinsport (a)	Princeton Variant	S93IN123-2	TckA (c)
Woodmere (b)	Woodmere	S94IN123-10	WrlAH
Zipp	Zipp	S92IN123-4	ZcaA (c)
SND	Rosine Variant	S91IN123-6	AccG
SND	Rosine Variant	S91IN123-8	AvbD2
SND	Lenberg Variant	S91IN123-4	AccG
SND	SND	S91IN123-10	EabD2
SND	Lenberg	S92IN123-503	EabD2
SND	Abscota	S93IN123-10	UabBK (c)
SND	Wellston Variant	S91IN123-9	AbvD2
SND	SND	S91IN123-5	AccG
SND	SND	S89IN123-1	AbvD3

All samples analyzed at the NSSL, Lincoln, NE.

a) Official Soil Series Type Location

b) Taxadjunct

c) Map unit representative pedon

d) Soil Mechanical Lab Data

Notes to accompany the classification and correlation of the soils of Perry County, Indiana, by Byron G. Nagel.

Adyeville series	The Adyeville Official Soil Series (OSD) type location is in Perry County, Indiana. The clay content in the PSCS from 2 pedons is 17 to 18 percent. This series is placed in the coarse-loamy particle-size class.
Alvin series	The Alvin series (characterization on 1 pedon) indicates the base status to be near 60 percent at the depth to determine the subgroup class of typic and ultic. This soil is not considered a taxadjunct.
Apalona series	The Apalona series is established by this correlation. Seven pedons were sampled (12/92) and analyzed as a Lab Characterization Project. Samples were collected from Perry, Crawford and Spencer counties.
Bonnie series	The Bonnie series in the BodAM map unit (characterization on 1 pedon) is indicated to be in the coarse-loamy family by 10% sand and less than 1% clay. This difference does not significantly affect the use and management of these soils, and they are not considered taxadjuncts.
Branchville	The Branchville series is established by this correlation.
Deuchars series	The Deuchars series is established by this correlation.
Elk series	The Elk soils in Perry Co. have a water table depth at 3½ to 5 feet. A moderately wet substratum phase is established for this correlation.
Elkinsville series	The Elkinsville soils in Perry Co. have an argillic horizon that extends below 72 inches. This difference does not significantly affect the use and management of these soils.
Gatchel series	The Gatchel series is established by this correlation.
Ginat series	The Ginat series is reclassified to Typic Endoaqualf, and the OSD type location is placed in Spencer County, Indiana.
Hartz series	The Hartz series is established by this correlation.
Hatfield series	The Hatfield series is established by this correlation for soils that were formerly correlated as Weinbach soils. The Weinbach OSD type location is to be moved to a more representative area in Ohio.

Huntington series	The Huntington soils (characterization on 1 pedon) are indicated to have an organic carbon content less than 0.3 percent at the critical depth for placing either in the Fluventic and or Typic subgroup. This difference does not significantly affect the use and management of these soils, and they are not considered taxadjuncts.
Johnsburg series	The Johnsburg soils in Perry County have a subhorizon that meets the criteria for a fragipan, except for the bleached vertical streaks and root distribution average less than 10 cm apart. This difference does not significantly affect the use and management of these soils. They are considered taxadjuncts.
Jubin series	The Jubin series is established by this correlation.
Kitterman series	The Kitterman series is established by this correlation.
Lauer series	The Lauer series is established by this correlation.
Markland series	The OSD type location is moved to more representative area in Perry County. Characterization data (1 pedon) indicates the mineralogy to be illitic. The OSD series classification will be kept mixed until further data supports the illitic class.
McAdoo series	The McAdoo soils in Perry County have a cambic horizon that extends below 54 inches. This difference does not significantly affect the use and management of this soil.
McGary series	The McGary soils in Perry County have an argillic horizon that extends below 50 inches. This difference does not significantly affect the use and management of this soil.
Millstone series	The Millstone series is established by this correlation.
Newark series	The Newark soils in Perry County (characterization data on 1 pedon) are indicated to be in the fine PSC by 2.4% clay. This difference does not significantly affect the use and management of these soils, and they are not considered taxadjuncts.
Peoga series	The Peoga soils in Perry County (characterizaton data on 1 pedon) are indicated to have a pH range in the lower part of the series control section of 7.4 - 8.4. The component tables will be adjusted for this pH range.

Percell series	This series is established by this correlation.
Rahm series	The Rahm soils in Perry Co. do not have the color values and chromas to classify in the Aquic suborder, but are considered to have Aquic conditions.
Rickert series	The Rickert series is established by this correlation.
Ryker series	The Ryker soils in Perry Co. are on hills underlain with limestone. These soils do not have any part of the solum formed in glacial drift, but have the texture ranges of the Ryker series.
Sciotoville series	The Sciotoville soils in Perry Co. have a subhorizon that meets the criteria for a fragipan, except for the bleached vertical streaks and root distrubution average less than 10 cm apart. This difference does not significantly affect the use and management of these soils. They are considered taxadjuncts.
Shircliff series	The Shircliff OSD type location is in Perry County.
Stendal series	The Stendal soils in Perry Co. (characterization data on 2 pedons) are indicated to have a cambic horizon, and the family PSC is on the break between the fine-silty and coarse-silty family. These differences do not significantly affect the use and management of these soils. They are considered taxadjuncts.
Tapawingo series	The Tapawingo soils in Perry Co. are formed from soil materials of mixed loess and residuum.
Tipsaw series	The Tipsaw OSD type location is in Perry Co.
Tobinsport series	The Tobinsport series is established by this correlation.
Udipsamments	This soil is less than 200 acres in extent. These soils were deposited during the 1937 Flood event in the Ohio River Valley.
Woodmere series	The Woodmere soils (characterization data on 1 pedon) in Perry Co. are indicated to be in the fine-silty PSC family. Because of very limited data on Woodmere soils, the current classification of the OSD is not clearly known. Therefore, these soils are not considered taxadjuncts, but the component tables will be adjusted.

CLASSIFICATION OF THE SOILS

**An asterick in the first column indicates that the soil is a taxadjunct to the series. See "Notes to accompany the classification and correlation of the soils of Perry County, Indiana" for a description of those characteristics of the soil that are outside the range for the series.*
The classification of the soils incorporates all amendments published in the National Soil Taxonomy Handbook, up to and including issue 17.

Soil Name	Family or higher taxonomic class
Adyeville-----	Coarse-loamy, mixed, mesic Typic Hapludults
Alford---------	Fine-silty, mixed, mesic Ultic Hapludalfs
Alvin----------	Coarse-loamy, mixed, mesic Typic Hapludalfs
Apalona------	Fine-silty, mixed, mesic Oxyaquic Fragiudalfs
Bloomfield---	Sandy, mixed, mesic Psammentic Hapludalfs
Bonnie--------	Fine-silty, mixed, acid, mesic Typic Fluvaquents
Branchville	Fine, mixed, mesic Aquic Hapludalfs
Combs--------	Coarse-loamy, mixed, mesic Fluventic Hapludolls
Cuba----------	Fine-silty, mixed, mesic Fluventic Dystrochrepts
Deuchars-----	Fine-silty, mixed, mesic Oxyaquic Hapludalfs
Ebal----------	Fine, mixed, mesic Oxyaquic Hapludalfs
Elk----------	Fine-silty, mixed, mesic Ultic Hapludalfs
Elkinsville	Fine-silty, mixed, mesic Ultic Hapludalfs
Gatchel------	Loamy-skeletal, mixed, mesic Dystric Fluventic Eutrochrepts
Ginat---------	Fine-silty, mixed, mesic Typic Endoaqualfs
Hartz---------	Fine-silty, mixed, mesic Aquic Hapludalfs
Hatfield------	Fine-silty, mixed, mesic Aeric Epiaqualfs
Haymond----	Coarse-silty, mixed, mesic Fluventic Dystrochrepts
Hosmer-------	Fine-silty, mixed, mesic Oxyaquic Fragiudalfs
Huntington---	Fine-silty, mixed, mesic Fluventic Hapludolls
*Johnsburg----	Fine-silty, mixed, mesic Aquic Fragiudults
Jubin----------	Loamy-skeletal, mixed, mesic Typic Dystrochrepts
Kitterman----	Very-fine, mixed, mesic Aquic Hapludalfs
Lauer---------	Fine-silty, mixed, mesic Aeric Epiaqualfs
Markland-----	Fine, mixed, mesic Typic Hapludalfs
McAdoo------	Fine-silty, mixed, mesic Fluventic Eutrochrepts
McGary-------	Fine, mixed, mesic Aeric Epiaqualfs
Millstone-----	Fine-loamy, mixed, mesic Ultic Hapludalfs
Newark--------	Fine-silty, mixed, nonacid, mesic Aeric Fluvaquents
Peoga----------	Fine-silty, mixed, mesic Typic Epiaqualfs
Percell---------	Fine-silty, mixed, mesic Oxyaquic Hapludalfs
Petrolia--------	Fine-silty, mixed, nonacid, mesic Typic Fluvaquents
Princeton------	Fine-loamy, mixed, mesic Typic Hapludalfs

CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
Rahm	Fine-silty, mixed, nonacid, mesic Aeric Fluvaquents
Rickert	Fine-silty, mixed, mesic Ultic Hapludalfs
Ryker	Fine-silty, mixed, mesic Typic Paleudalfs
*Sciotoville	Fine-silty, mixed, mesic Aquic Fragiudalfs
Shircliff	Fine, mixed, mesic Oxyaquic Hapludalfs
*Stendal	Fine-silty, mixed, acid, mesic Aeric Fluvaquents
Tapawingo	Loamy, mixed, mesic Typic Udorthents
Tipsaw	Coarse-loamy, mixed, mesic Typic Dystrochrepts
Tobinsport	Fine-silty, mixed, mesic Ultic Hapludalfs
Udipsamments	Mixed, mesic Typic Udipsamments
Udorthents	Clayey, mixed, mesic Typic Udorthents
Wakeland	Coarse-silty, mixed, nonacid, mesic Aeric Fluvaquents
Wellston	Fine-silty, mixed, mesic Ultic Hapludalfs
Wilbur	Coarse-silty, mixed, mesic Fluvaquentic Eutrochrepts
Wirt	Coarse-loamy, mixed, mesic Dystric Fluventic Eutrochrepts
Woodmere	Fine, mixed, mesic Oxyaquic Eutrochrepts
Zipp	Fine, mixed, nonacid, mesic Vertic Endoaquepts

Certifications

The Soil Survey Team Leader certifies that:

a) The field mapping was completed in May 1995.

b) Interpretations have been coordinated with adjoining survey areas.

c) The location of all typical pedons in the survey area are correct and are within delineations that have the referenced name.

d) All typical pedons are correctly classified according to Soil Taxonomy and its amendment issues 1-17 of the National Soil Taxonomy Handbook.

e) The soil maps are complete, accurate and consistent.

f) Perry County has made a quality join with the following survey areas:

Crawford, Dubois and Spencer counties. The correlation memorandums for these survey areas will not be amended at this time. A record of the map unit changes is noted on a set of the soil maps for each county. These revised maps will be filed in the MLRA Project Office in each county case file.

Crawford County (published 1975); the Crawford County Soil Survey will accept the following Perry County map units:

AbvD2	Adyeville-Wellston-Deuchars silt loams, 8 to 20 percent slopes, eroded.
AbvD3	Adyeville-Wellston-Deuchars silt loams, 8 to 20 percent slopes, severely eroded.
AccG	Adyeville-Tipsaw-Ebal complex, 20 to 50 percent slopes, very rocky.
AgrA	Apalona silt loam, 0 to 2 percent slopes.
AgrB	Apalona silt loam, 2 to 6 percent slopes.
AgrC2	Apalona silt loam, 6 to 12 percent slopes, eroded.
AgrC3	Apalona silt loam, 6 to 12 percent slopes, severely eroded.
EabD2	Ebal-Deuchars-Kitterman complex, 12 to 24 percent slopes, eroded.
EabD3	Ebal-Deuchars-Kitterman complex, 12 to 24 percent slopes, severely eroded.
EemAQ	Elk silt loam, moderately wet substratum, 0 to 2 percent slopes, rarely flooded.
GacAK	Gatchel loam, 0 to 2 percent slopes, occasionally flooded, very brief duration.
HcgAH	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, brief duration.

HubAH	Huntington silty clay loam, 0 to 2 percent slopes, frequently flooded, brief duration.
JoeG	Jubin-Branchville-Rock outcrop complex, 20 to 50 percent slopes, very bouldery.
MsbC2	Millstone-Elkinsville complex, 6 to 12 percent slopes, eroded.
Uaa	Udorthents, cut and filled.
WaaAH	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, brief duration.
WprAH	Wirt loam, 0 to 2 percent slopes, frequently flooded, brief duration.

Dubois County (published 1980); The Dubois County Soil Survey will accept the following Perry County map units:

AbvD2	Adyeville-Wellston-Deuchars silt loams, 8 to 20 percent slopes, eroded.
AbvD3	Adyeville-Wellston-Deuchars silt loams, 8 to 20 percent slopes, severely eroded.
AccG	Adyeville-Tipsaw-Ebal complex, 20 to 50 percent slopes, very rocky.
AgrB	Apalona silt loam, 2 to 6 percent slopes.
AgrC2	Apalona silt loam, 6 to 12 percent slopes, eroded.
AgrC3	Apalona silt loam, 6 to 12 percent slopes, severely eroded.
CwaAH	Cuba silt loam, 0 to 2 percent slopes, frequently flooded, brief duration.
GacAK	Gatchel loam, 0 to 2 percent slopes, occasionally flooded, very brief duration.
StdAH	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, brief duration.
Uaa	Udorthents, cut and filled

Spencer County (published 1973); the Spencer County Soil Survey will accept the following Perry County map units:

AbvD3	Adyeville-Wellston-Deuchars silt loams, 8 to 20 percent slopes, severely eroded.
AccG	Adyeville-Tipsaw-Ebal complex, 20 to 50 percent slopes, very rocky.
AgrB	Apalona silt loam, 2 to 6 percent slopes.

AgrC2	Apalona silt loam, 6 to 12 percent slopes, eroded.
CwaAH	Cuba silt loam, 0 to 2 percent slopes, frequently flooded, brief duration.
EemAQ	Elk silt loam, moderately wet substratum, 0 to 2 percent slopes, rarely flooded.
GacAK	Gatchel loam, 0 to 2 percent slopes, occasionally flooded, very brief duration.
HcgAH	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, brief duration.
StdAH	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, brief duration.
Uaa	Udorthents, cut and filled
WprAH	Wirt loam, 0 to 2 percent slopes, frequently flooded, brief duration.

General Soil Map

A 1:250,000 STATSGO map was used as the base map for the general soil map. This map will be used to update all adjoining subsets. Therefore, a general soil map join was not made with the adjoining subsets.

Approval Signatures and Date

Stephen G. Carpenter / Date
Soil Survey Area 13 Team Leader
Morgantown, West Virginia

Robert L. Eddleman / Date
State Conservationist
Indianapolis, Indiana