

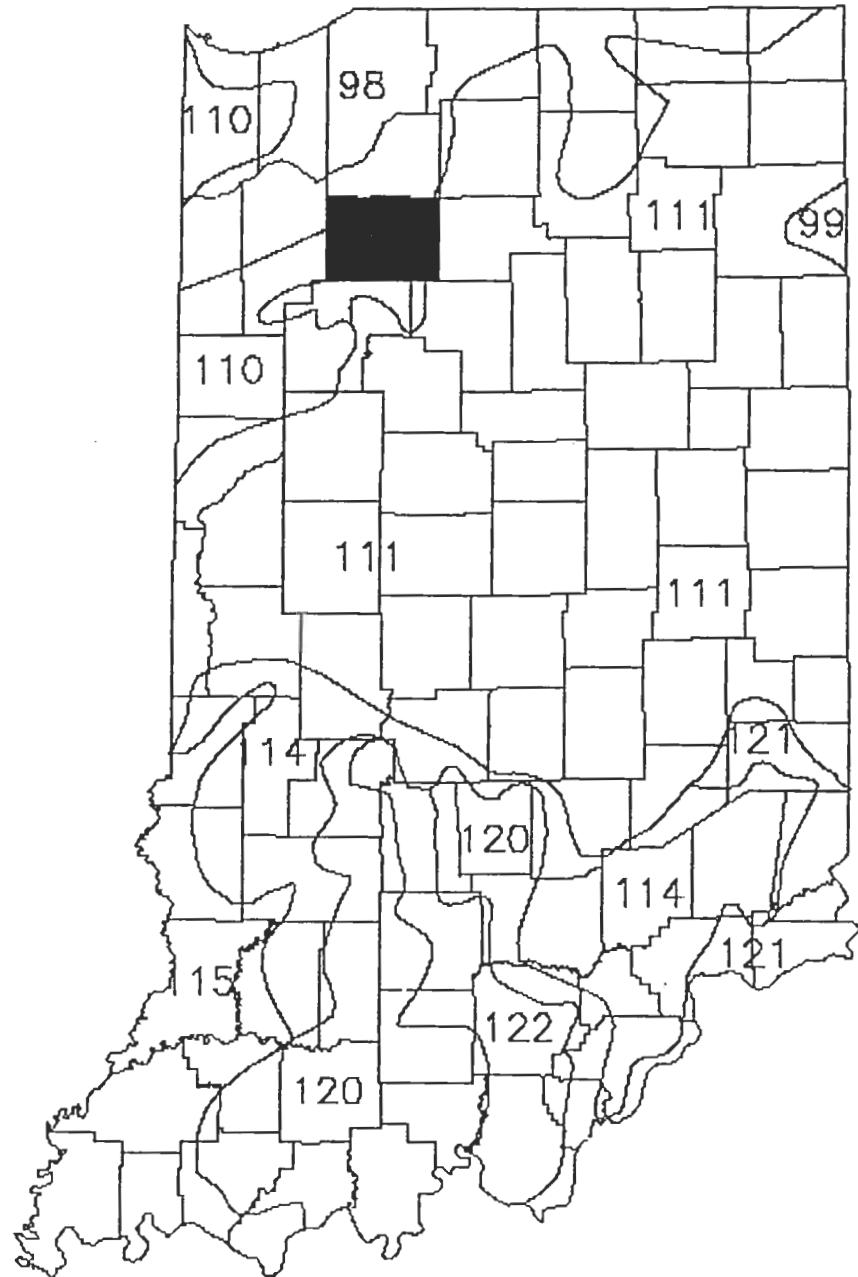
United States
Department of
Agriculture

Natural Resources
Conservation Service

East Central Glaciated
Regional MLRA
Soil Survey Office
Indianapolis, IN

Lary

Classification and Correlation of Soils in Pulaski County, Indiana



April 2001

**CLASSIFICATION AND CORRELATION
OF SOILS IN PULASKI COUNTY, INDIANA**
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**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE**

**CLASSIFICATION AND CORRELATION
OF THE SOILS OF
PULASKI COUNTY, INDIANA**

(FIPS 131)

A SUBSET OF MAJOR LAND RESOURCE AREAS (MLRA) 98 and 111

APRIL 2001

This correlation was prepared by Shane L. McBurnett, MLRA Project Leader (MLRAPL), Plymouth, IN; Charles Love, Soil Data Quality Specialist (SDQS) MLRA Region 11 team, Indianapolis, IN; Rex A. Brock, Subset Project Leader, Plymouth, Indiana; Richard W. Neilson, Resource Soil Scientist, Plymouth, Indiana; and David Gehring, Soil Scientist, Plymouth, Indiana. It was prepared as part of the update of the Soil Survey of Pulaski County, a subset of MLRA's 98 and 111. This correlation is based on transect data, pedon descriptions, laboratory data, and field soil maps of Pulaski County. This correlation is supported by the National Soil Information System (NASIS) Legend and the NASIS Data Mapunits.

HEADNOTE FOR DETAILED SOIL SURVEY LEGEND

This update of Pulaski County, Indiana is an update subset of the Soil Survey of MLRA's 98 and 111. Map units, the representative map unit symbols, and special and conventional symbols are consistent between subsets that are being updated. Map unit symbols consist of a combination of letters and numbers. The initial letters represent the kind of soil. A capital letter following the first three letters indicates the class of slope. A second capital letter indicates the flooding frequency and duration. The letter K indicates the soil is occasionally flooded for brief duration, the letter I indicates the soil is frequently flooded for long duration, and the letter Q indicates the soil is rarely flooded. A final number of 2 following the slope letter indicates that the soil is moderately eroded, and a number 3 indicates that the soil is severely eroded. Absence of a number following the slope class indicates that the soil is slightly eroded or non-eroded.

SOIL CORRELATION FROM NASIS DATABASE

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
AadAK Ab	Abscota fine sandy loam, 0 to 2 percent slopes, occasionally flooded, brief duration	AadAK	Abscota fine sandy loam, 0 to 2 percent slopes, occasionally flooded, brief duration
		AadAK	Abscota fine sandy loam, 0 to 2 percent slopes, occasionally flooded, brief duration
AatAN Ca Ed Ta	Ackerman muck, drained, 0 to 1 percent slopes	AatAN AatAN AatAN AatAN	Ackerman muck, drained, 0 to 1 percent slopes Ackerman muck, drained, 0 to 1 percent slopes Ackerman muck, drained, 0 to 1 percent slopes Ackerman muck, drained, 0 to 1 percent slopes
AatAU W1	Ackerman muck, undrained, 0 to 1 percent slopes	AatAU AatAU	Ackerman muck, undrained, 0 to 1 percent slopes Ackerman muck, undrained, 0 to 1 percent slopes
AbhAN Ca Ed Ta	Adrian muck, drained, 0 to 1 percent slopes	AbhAN AbhAN AbhAN AbhAN	Adrian muck, drained, 0 to 1 percent slopes Adrian muck, drained, 0 to 1 percent slopes Adrian muck, drained, 0 to 1 percent slopes Adrian muck, drained, 0 to 1 percent slopes
AbhAU W1	Adrian muck, undrained, 0 to 1 percent slopes	AbhAU AbhAU	Adrian muck, undrained, 0 to 1 percent slopes Adrian muck, undrained, 0 to 1 percent slopes
ApuAN Ca Ed Ta	Antung muck, drained, 0 to 1 percent slopes	ApuAN ApuAN ApuAN ApuAN	Antung muck, drained, 0 to 1 percent slopes Antung muck, drained, 0 to 1 percent slopes Antung muck, drained, 0 to 1 percent slopes Antung muck, drained, 0 to 1 percent slopes
ApuAU W1	Antung muck, undrained, 0 to 1 percent slopes	ApuAU ApuAU	Antung muck, undrained, 0 to 1 percent slopes Antung muck, undrained, 0 to 1 percent slopes
BrvA Bd	Brady fine sandy loam, 0 to 1 percent slopes	BrvA BrvA	Brady fine sandy loam, 0 to 1 percent slopes Brady fine sandy loam, 0 to 1 percent slopes
BstA BcA BgA	Brems loamy fine sand, 0 to 1 percent slopes	BstA BstA BstA	Brems loamy fine sand, 0 to 1 percent slopes Brems loamy fine sand, 0 to 1 percent slopes Brems loamy fine sand, 0 to 1 percent slopes
BstB BcB ChA	Brems loamy fine sand, 1 to 4 percent slopes	BstB BstB BstB	Brems loamy fine sand, 1 to 4 percent slopes Brems loamy fine sand, 1 to 4 percent slopes Brems loamy fine sand, 1 to 4 percent slopes
BswA BcA BgA Hp OfA OmA	Brems-Morocco loamy fine sands, 0 to 1 percent slopes	BswA BswA BswA BswA BswA	Brems-Morocco loamy fine sands, 0 to 1 percent slopes Brems-Morocco loamy fine sands, 0 to 1 percent slopes
BupB OfB OmB	Bronson fine sandy loam, 1 to 4 percent slopes	BupB BupB BupB	Bronson fine sandy loam, 1 to 4 percent slopes Bronson fine sandy loam, 1 to 4 percent slopes Bronson fine sandy loam, 1 to 4 percent slopes
BuuA Bn Bo Br Bs CnA Em	Brookston loam, 0 to 1 percent slopes	BuuA BuuA BuuA BuuA BuuA BuuA BuuA	Brookston loam, 0 to 1 percent slopes Brookston loam, 0 to 1 percent slopes
BuzA Bn Br Bs Re Rs Su Ws Wt	Brookston-Navunon loams, 0 to 1 percent slopes	BuzA BuzA BuzA BuzA BuzA BuzA BuzA BuzA BuzA	Brookston-Navunon loams, 0 to 1 percent slopes Brookston-Navunon loams, 0 to 1 percent slopes

Field symbols	Field map unit name	Publication symbol	Approved map unit name
BwfA Bd Bf Ho	Budd-Brady fine sandy loams, 0 to 1 percent slopes	BwfA BwfA BwfA BwfA	Budd-Brady fine sandy loams, 0 to 1 percent slopes Budd-Brady fine sandy loams, 0 to 1 percent slopes Budd-Brady fine sandy loams, 0 to 1 percent slopes Budd-Brady fine sandy loams, 0 to 1 percent slopes
CjfC ChC ChD	Chelsea fine sand, 5 to 12 percent slopes	CjfC CjfC CjfC	Chelsea fine sand, 5 to 12 percent slopes Chelsea fine sand, 5 to 12 percent slopes Chelsea fine sand, 5 to 12 percent slopes
CjfD ChD	Chelsea fine sand, 12 to 18 percent slopes	CjfD CjfD	Chelsea fine sand, 12 to 18 percent slopes Chelsea fine sand, 12 to 18 percent slopes
CmbAI So Ss	Cohoctah loam, 0 to 1 percent slopes, frequently flooded, brief duration	CmbAI CmbAI CmbAI	Cohoctah loam, 0 to 1 percent slopes, frequently flooded, brief duration Cohoctah loam, 0 to 1 percent slopes, frequently flooded, brief duration Cohoctah loam, 0 to 1 percent slopes, frequently flooded, brief duration
CnzAI Em	Cohoctah-Abscota complex, 0 to 1 percent slopes, frequently flooded, brief duration	CnzAI CnzAI	Cohoctah-Abscota complex, 0 to 1 percent slopes, frequently flooded, brief duration Cohoctah-Abscota complex, 0 to 1 percent slopes, frequently flooded, brief duration
CpcA CmA CnA CoA	Conover loam, 0 to 1 percent slopes	CpcA CpcA CpcA CpcA	Conover loam, 0 to 1 percent slopes Conover loam, 0 to 1 percent slopes Conover loam, 0 to 1 percent slopes Conover loam, 0 to 1 percent slopes
CqmA CoA CrA CrB2 Fo	Corwin fine sandy loam, 0 to 1 percent slopes	CqmA CqmA CqmA CqmA CqmA	Corwin fine sandy loam, 0 to 1 percent slopes Corwin fine sandy loam, 0 to 1 percent slopes
CuyA BaA CsA CtA CuA CuB	Crosier fine sandy loam, 0 to 1 percent slopes	CuyA CuyA CuyA CuyA CuyA CuyA	Crosier fine sandy loam, 0 to 1 percent slopes Crosier fine sandy loam, 0 to 1 percent slopes
DbsA ChA FsA OfA OhA Oma PlA	Denham fine sand, 0 to 1 percent slopes	DbsA DbsA DbsA DbsA DbsA DbsA DbsA	Denham fine sand, 0 to 1 percent slopes Denham fine sand, 0 to 1 percent slopes
DbsB ChB PlB	Denham fine sand, 1 to 5 percent slopes	DbsB DbsB DbsB	Denham fine sand, 1 to 5 percent slopes Denham fine sand, 1 to 5 percent slopes Denham fine sand, 1 to 5 percent slopes
EchAN Ca Ed Ta	Edwards muck, drained, 0 to 1 percent slopes	EchAN EchAN EchAN EchAN	Edwards muck, drained, 0 to 1 percent slopes Edwards muck, drained, 0 to 1 percent slopes Edwards muck, drained, 0 to 1 percent slopes Edwards muck, drained, 0 to 1 percent slopes
EchAU W1	Edwards muck, undrained, 0 to 1 percent slopes	EchAU EchAU	Edwards muck, undrained, 0 to 1 percent slopes Edwards muck, undrained, 0 to 1 percent slopes
EcrAN Ca Ed Ta	Edselton muck, drained, 0 to 1 percent slopes	EcrAN EcrAN EcrAN EcrAN	Edselton muck, drained, 0 to 1 percent slopes Edselton muck, drained, 0 to 1 percent slopes Edselton muck, drained, 0 to 1 percent slopes Edselton muck, drained, 0 to 1 percent slopes
EcrAU W1	Edselton muck, undrained, 0 to 1 percent slopes	EcrAU EcrAU	Edselton muck, undrained, 0 to 1 percent slopes Edselton muck, undrained, 0 to 1 percent slopes

Field symbols	Field map unit name	Publication symbol	Approved map unit name
GewA Gm	Gilford fine sandy loam, 0 to 1 percent slopes	GewA GewA	Gilford fine sandy loam, 0 to 1 percent slopes Gilford fine sandy loam, 0 to 1 percent slopes
GdvA Gf Gm Ma Nf	Gilford-Monon fine sandy loams, 0 to 1 percent slopes	GdvA GdvA GdvA GdvA	Gilford-Monon fine sandy loams, 0 to 1 percent slopes Gilford-Monon fine sandy loams, 0 to 1 percent slopes Gilford-Monon fine sandy loams, 0 to 1 percent slopes Gilford-Monon fine sandy loams, 0 to 1 percent slopes
GmnA Gf Gm Gv Mf	Goodell-Gilford fine sandy loams, 0 to 1 percent slopes	GmnA GmnA GmnA GmnA	Goodell-Gilford fine sandy loams, 0 to 1 percent slopes Goodell-Gilford fine sandy loams, 0 to 1 percent slopes Goodell-Gilford fine sandy loams, 0 to 1 percent slopes Goodell-Gilford fine sandy loams, 0 to 1 percent slopes
GrfA Ma Md Me Mf Nf	Granby loamy fine sand, 0 to 1 percent slopes	GrfA GrfA GrfA GrfA GrfA GrfA	Granby loamy fine sand, 0 to 1 percent slopes Granby loamy fine sand, 0 to 1 percent slopes
GsaA Gf Gv	Granby-Gilford complex, 0 to 1 percent slopes	GsaA GsaA GsaA	Granby-Gilford complex, 0 to 1 percent slopes Granby-Gilford complex, 0 to 1 percent slopes Granby-Gilford complex, 0 to 1 percent slopes
HbzA AyA Bd Bf BgA Hp MIA	Headlee-Brady fine sandy loams, 0 to 1 percent slopes	HbzA HbzA HbzA HbzA HbzA HbzA HbzA	Headlee-Brady fine sandy loams, 0 to 1 percent slopes Headlee-Brady fine sandy loams, 0 to 1 percent slopes
HnbA Ho	Homer sandy loam, 0 to 1 percent slopes	HnbA HnbA	Homer sandy loam, 0 to 1 percent slopes Homer sandy loam, 0 to 1 percent slopes
HtbAN Ca Ed Ta	Houghton muck, drained, 0 to 1 percent slopes	HtbAN HtbAN HtbAN HtbAN	Houghton muck, drained, 0 to 1 percent slopes Houghton muck, drained, 0 to 1 percent slopes Houghton muck, drained, 0 to 1 percent slopes Houghton muck, drained, 0 to 1 percent slopes
HtbAU WI	Houghton muck, undrained, 0 to 1 percent slopes	HtbAU HtbAU	Houghton muck, undrained, 0 to 1 percent slopes Houghton muck, undrained, 0 to 1 percent slopes
MfrAN Ca Ed Ta	Madaus muck, drained, 0 to 1 percent slopes	MfrAN MfrAN MfrAN MfrAN	Madaus muck, drained, 0 to 1 percent slopes Madaus muck, drained, 0 to 1 percent slopes Madaus muck, drained, 0 to 1 percent slopes Madaus muck, drained, 0 to 1 percent slopes
MfrAU WI	Madaus muck, undrained, 0 to 1 percent slopes	MfrAU MfrAU	Madaus muck, undrained, 0 to 1 percent slopes Madaus muck, undrained, 0 to 1 percent slopes
MgyA Gf Gm Gv Wt	Maumee-Gilford complex, 0 to 1 percent slopes	MgyA MgyA MgyA MgyA MgyA	Maumee-Gilford complex, 0 to 1 percent slopes Maumee-Gilford complex, 0 to 1 percent slopes
MgzA Ma Md	Maumee-Gumz complex, 0 to 1 percent slopes	MgzA MgzA MgzA	Maumee-Gumz complex, 0 to 1 percent slopes Maumee-Gumz complex, 0 to 1 percent slopes Maumee-Gumz complex, 0 to 1 percent slopes

Field symbols	Field map unit name	Publication symbol	Approved map unit name
MhaA Ma Md Me Nf Wa	Maumee loamy fine sand, 0 to 1 percent slopes	MhaA MhaA MhaA MhaA MhaA MhaA	Maumee loamy fine sand, 0 to 1 percent slopes Maumee loamy fine sand, 0 to 1 percent slopes
MhbA Mf	Maumee mucky loamy fine sand, 0 to 1 percent slopes	MhbA MhbA	Maumee mucky loamy fine sand, 0 to 1 percent slopes Maumee mucky loamy fine sand, 0 to 1 percent slopes
MhnA Da Dc Ds Fo	Medaryville fine sandy loam, 0 to 1 percent slopes	MhnA MhnA MhnA MhnA MhnA	Medaryville fine sandy loam, 0 to 1 percent slopes Medaryville fine sandy loam, 0 to 1 percent slopes
MlwB AdB MlB	Metea-Moon loamy sands, 1 to 5 percent slopes	MlwB MlwB MlwB	Metea-Moon loamy sands, 1 to 5 percent slopes Metea-Moon loamy sands, 1 to 5 percent slopes Metea-Moon loamy sands, 1 to 5 percent slopes
MmyC2 MmC2 MoC3	Miami fine sandy loam, 5 to 10 percent slopes	MmyC2 MmyC2 MmyC2	Miami fine sandy loam, 5 to 10 percent slopes, moderately eroded Miami fine sandy loam, 5 to 10 percent slopes, moderately eroded Miami fine sandy loam, 5 to 10 percent slopes, moderately eroded
MnzB MmB MmB2	Miami-Williamstown fine sandy loams, 2 to 5 percent slopes	MnzB MnzB MnzB	Miami-Williamstown fine sandy loams, 2 to 5 percent slopes Miami-Williamstown fine sandy loams, 2 to 5 percent slopes Miami-Williamstown fine sandy loams, 2 to 5 percent slopes
MouA Mp	Milford silty clay loam, 0 to 1 percent slopes	MouA MouA	Milford silty clay loam, 0 to 1 percent slopes Milford silty clay loam, 0 to 1 percent slopes
MtoA OfA OhA OmA	Moon-Ormas loamy sands, 0 to 1 percent slopes	MtoA MtoA MtoA MtoA	Moon-Ormas loamy sands, 0 to 1 percent slopes Moon-Ormas loamy sands, 0 to 1 percent slopes Moon-Ormas loamy sands, 0 to 1 percent slopes Moon-Ormas loamy sands, 0 to 1 percent slopes
MtoB OfB OhB OmB	Moon-Ormas loamy sands, 1 to 5 percent slopes	MtoB MtoB MtoB MtoB	Moon-Ormas loamy sands, 1 to 5 percent slopes Moon-Ormas loamy sands, 1 to 5 percent slopes Moon-Ormas loamy sands, 1 to 5 percent slopes Moon-Ormas loamy sands, 1 to 5 percent slopes
MtpA AuA Aya Da MIA	Moon-Selfridge complex, 0 to 1 percent slopes	MtpA MtpA MtpA MtpA MtpA	Moon-Selfridge complex, 0 to 1 percent slopes Moon-Selfridge complex, 0 to 1 percent slopes
MupA BcA Bf BmA Ff Mr	Morocco loamy fine sand, 0 to 1 percent slopes	MupA MupA MupA MupA MupA MupA	Morocco loamy fine sand, 0 to 1 percent slopes Morocco loamy fine sand, 0 to 1 percent slopes
MvhAN Ca Ed Ta	Moston muck, drained, 0 to 1 percent slopes	MvhAN MvhAN MvhAN MvhAN	Moston muck, drained, 0 to 1 percent slopes Moston muck, drained, 0 to 1 percent slopes Moston muck, drained, 0 to 1 percent slopes Moston muck, drained, 0 to 1 percent slopes
MvhAU Wl	Moston muck, undrained, 0 to 1 percent slopes	MvhAU MvhAU	Moston muck, undrained, 0 to 1 percent slopes Moston muck, undrained, 0 to 1 percent slopes

Field symbols	Field map unit name	Publication symbol	Approved map unit name
MwzAN	Muskego muck, drained, 0 to 1 percent slopes	MwzA N	Muskego muck, drained, 0 to 1 percent slopes
Ca		MwzA N	Muskego muck, drained, 0 to 1 percent slopes
Ed		MwzA N	Muskego muck, drained, 0 to 1 percent slopes
Ta		MwzA N	Muskego muck, drained, 0 to 1 percent slopes
MwzAU	Muskego muck, undrained, 0 to 1 percent slopes	MwzA U	Muskego muck, undrained, 0 to 1 percent slopes
W1		MwzA U	Muskego muck, undrained, 0 to 1 percent slopes
NofA	Newton-Morocco loamy fine sands, 0 to 1 percent slopes	NofA	Newton-Morocco loamy fine sands, 0 to 1 percent slopes
Nf		NofA	Newton-Morocco loamy fine sands, 0 to 1 percent slopes
OacA	Oakville-Denham fine sands, 0 to 1 percent slopes	OacA	Oakville-Denham fine sands, 0 to 1 percent slopes
ChA		OacA	Oakville-Denham fine sands, 0 to 1 percent slopes
PlA		OacA	Oakville-Denham fine sands, 0 to 1 percent slopes
OacB	Oakville-Denham fine sands, 1 to 5 percent slopes	OacB	Oakville-Denham fine sands, 1 to 5 percent slopes
ChB		OacB	Oakville-Denham fine sands, 1 to 5 percent slopes
OhB		OacB	Oakville-Denham fine sands, 1 to 5 percent slopes
PlB		OacB	Oakville-Denham fine sands, 1 to 5 percent slopes
OaeC	Oakville fine sand, 5 to 12 percent slopes	OaeC	Oakville fine sand, 5 to 12 percent slopes
ChC		OaeC	Oakville fine sand, 5 to 12 percent slopes
OhC		OaeC	Oakville fine sand, 5 to 12 percent slopes
PlC		OaeC	Oakville fine sand, 5 to 12 percent slopes
OaeD	Oakville fine sand, 12 to 18 percent slopes	OaeD	Oakville fine sand, 12 to 18 percent slopes
PlE		OaeD	Oakville fine sand, 12 to 18 percent slopes
OeaA	Odell fine sandy loam, 0 to 1 percent slopes	OeaA	Odell fine sandy loam, 0 to 1 percent slopes
Od		OeaA	Odell fine sandy loam, 0 to 1 percent slopes
Oe		OeaA	Odell fine sandy loam, 0 to 1 percent slopes
OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes	OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
AuA		OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
AyA		OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
CsA		OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
CtA		OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
Da		OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
Dc		OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
Ds		OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
Mk		OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
Od		OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
Oe		OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
PaB2		OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes

Field symbols	Field map unit name	Publication symbol	Approved map unit name
Pmg PmG St	Pits, Gravel	Pmg Pmg Pmg	Pits, Gravel Pits, Gravel Pits, Gravel
Pps St	Pits, Quarries, Limestone	Pps Pps	Pits, Quarries, Limestone Pits, Quarries, Limestone
RebA Mh Mk	Radioville-Mermill loams, 0 to 1 percent slopes	RebA RebA RebA	Radioville-Mermill loams, 0 to 1 percent slopes Radioville-Mermill loams, 0 to 1 percent slopes Radioville-Mermill loams, 0 to 1 percent slopes
RevA Re Rs Wh Ws Wt	Rensselaer-Radioville loams, 0 to 1 percent slopes	RevA RevA RevA RevA RevA RevA	Rensselaer-Radioville loams, 0 to 1 percent slopes Rensselaer-Radioville loams, 0 to 1 percent slopes
ReyA Re Rs	Rensselaer loam, 0 to 1 percent slopes	ReyA ReyA ReyA	Rensselaer loam, 0 to 1 percent slopes Rensselaer loam, 0 to 1 percent slopes Rensselaer loam, 0 to 1 percent slopes
RhcA MmA MnA	Riddles fine sandy loam, 0 to 2 percent slopes	RhcA RhcA RhcA	Riddles fine sandy loam, 0 to 2 percent slopes Riddles fine sandy loam, 0 to 2 percent slopes Riddles fine sandy loam, 0 to 2 percent slopes
ScuA Ws Wt	Sebewa loam, 0 to 1 percent slopes	ScuA ScuA ScuA	Sebewa loam, 0 to 1 percent slopes Sebewa loam, 0 to 1 percent slopes Sebewa loam, 0 to 1 percent slopes
SdzcB AdB BcB MlB	Selfridge-Brems loamy fine sands, 1 to 4 percent slopes	SdzcB SdzcB SdzcB SdzcB	Selfridge-Brems loamy fine sands, 1 to 4 percent slopes Selfridge-Brems loamy fine sands, 1 to 4 percent slopes Selfridge-Brems loamy fine sands, 1 to 4 percent slopes Selfridge-Brems loamy fine sands, 1 to 4 percent slopes
SgzA AuA	Selfridge loamy fine sand, 0 to 1 percent slopes	SgzA SgzA	Selfridge loamy fine sand, 0 to 1 percent slopes Selfridge loamy fine sand, 0 to 1 percent slopes
ShaA AuA Bd Bf ChA MIA	Selfridge-Morocco loamy fine sands, 0 to 1 percent slopes	ShaA ShaA ShaA ShaA ShaA ShaA	Selfridge-Morocco loamy fine sands, 0 to 1 percent slopes Selfridge-Morocco loamy fine sands, 0 to 1 percent slopes
SmsAK Ss	Sloan silt loam, 0 to 1 percent slopes, occasionally flooded, brief duration	SmsAK SmsAK	Sloan silt loam, 0 to 1 percent slopes, occasionally flooded, brief duration Sloan silt loam, 0 to 1 percent slopes, occasionally flooded, brief duration
SnIA Wh	Southwest silt loam, 0 to 1 percent slopes	SnIA SnIA	Southwest silt loam, 0 to 1 percent slopes Southwest silt loam, 0 to 1 percent slopes
SwiA BaA CeA CoA CsA CtA SeB Su	Strole silt loam, 0 to 1 percent slopes	SwiA SwiA SwiA SwiA SwiA SwiA SwiA SwiA	Strole silt loam, 0 to 1 percent slopes Strole silt loam, 0 to 1 percent slopes

Field symbols	Field map unit name	Publication symbol	Approved map unit name
SwxA Hp	Sumava fine sandy loam, 0 to 1 percent slopes	SwxA SwxA	Sumava fine sandy loam, 0 to 1 percent slopes Sumava fine sandy loam, 0 to 1 percent slopes
TmaAN Ca Ed Ta	Toto muck, drained, 0 to 1 percent slopes	TmaAN TmaAN TmaAN TmaAN	Toto muck, drained, 0 to 1 percent slopes Toto muck, drained, 0 to 1 percent slopes Toto muck, drained, 0 to 1 percent slopes Toto muck, drained, 0 to 1 percent slopes
TmaAU WI	Toto muck, undrained, 0 to 1 percent slopes	TmaAU TmaAU	Toto muck, undrained, 0 to 1 percent slopes Toto muck, undrained, 0 to 1 percent slopes
UbrA Cl	Udorthents, Clayey, 0 to 1 percent slopes	UbrA UbrA	Udorthents, Clayey, 0 to 1 percent slopes Udorthents, Clayey, 0 to 1 percent slopes
W W	Water	W W	Water Water
WmgA CrB2 Ff M1B OfA OmA	Whiskerville-Bronson fine sandy loams, 0 to 1 percent slopes	WmgA WmgA WmgA WmgA WmgA WmgA	Whiskerville-Bronson fine sandy loams, 0 to 1 percent slopes Whiskerville-Bronson fine sandy loams, 0 to 1 percent slopes
WmiA Gf Gm Ma Md Me Mf Nf	Whitepost-Gilford fine sandy loams, 0 to 1 percent slopes	WmiA WmiA WmiA WmiA WmiA WmiA WmiA WmiA	Whitepost-Gilford fine sandy loams, 0 to 1 percent slopes Whitepost-Gilford fine sandy loams, 0 to 1 percent slopes
WoeB CbB2 CeB2 CrB2 MmB MoC3	Williamstown-Crosier fine sandy loams, 1 to 5 percent slopes	WoeB WoeB WoeB WoeB WoeB WoeB	Williamstown-Crosier fine sandy loams, 1 to 5 percent slopes Williamstown-Crosier fine sandy loams, 1 to 5 percent slopes
WogA CbA CeA MmA	Williamstown fine sandy loam, 0 to 2 percent slopes	WogA WogA WogA WogA	Williamstown fine sandy loam, 0 to 2 percent slopes Williamstown fine sandy loam, 0 to 2 percent slopes Williamstown fine sandy loam, 0 to 2 percent slopes Williamstown fine sandy loam, 0 to 2 percent slopes

Field symbols	Field map unit name	Publication symbol	Approved map unit name
WoxA OfA OmA	Williamstown-Winamac fine sandy loams, 0 to 1 percent slopes	WoxA WoxA WoxA	Williamstown-Winamac fine sandy loams, 0 to 1 percent slopes Williamstown-Winamac fine sandy loams, 0 to 1 percent slopes Williamstown-Winamac fine sandy loams, 0 to 1 percent slopes
WoxB OfB OmB	Williamstown-Winamac fine sandy loams, 1 to 5 percent slopes	WoxB WoxB WoxB	Williamstown-Winamac fine sandy loams, 1 to 5 percent slopes Williamstown-Winamac fine sandy loams, 1 to 5 percent slopes Williamstown-Winamac fine sandy loams, 1 to 5 percent slopes
WpaA BgA BmA	Winamac-Bronson fine sandy loams, 0 to 1 percent slopes	WpaA WpaA WpaA	Winamac-Bronson fine sandy loams, 0 to 1 percent slopes Winamac-Bronson fine sandy loams, 0 to 1 percent slopes Winamac-Bronson fine sandy loams, 0 to 1 percent slopes
WpbA Ff OfA OmA	Winamac fine sandy loam, 0 to 1 percent slopes	WpbA WpbA WpbA WpbA	Winamac fine sandy loam, 0 to 1 percent slopes Winamac fine sandy loam, 0 to 1 percent slopes Winamac fine sandy loam, 0 to 1 percent slopes Winamac fine sandy loam, 0 to 1 percent slopes
WpbB OfB OmB	Winamac fine sandy loam, 1 to 5 percent slopes	WpbB WpbB WpbB	Winamac fine sandy loam, 1 to 5 percent slopes Winamac fine sandy loam, 1 to 5 percent slopes Winamac fine sandy loam, 1 to 5 percent slopes
WrxA Wa	Wunabuna silt loam, 0 to 1 percent slopes	WrxA WrxA	Wunabuna silt loam, drained, 0 to 1 percent slopes Wunabuna silt loam, drained, 0 to 1 percent slopes

**SOIL CORRELATION OF
PULASKI COUNTY, INDIANA
APRIL 2001**

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Bedrock Plain Approved map unit name
AdB	Ade loamy fine sand, 2 to 6 percent slopes	SdzcB	Selfridge - Brems loamy fine sands, 1 to 4 percent slopes
AuA	Aubbeenaubbee fine sandy loam, 0 to 2 percent slopes	OecA	Odell - Francesville fine sandy loams, 0 to 1 percent slopes
AyA	Ayr fine sandy loam, 0 to 2 percent slopes	OecA	Odell - Francesville fine sandy loams, 0 to 1 percent slopes
BcA	Berrien loamy fine sand, 0 to 2 percent slopes	MupA	Morocco loamy sand, 0 to 1 percent slopes
BcB	Berrien loamy fine sand, 2 to 6 percent slopes	BstB	Brems loamy fine sand, 1 to 4 percent slopes
Bd	Brady fine sandy loam	ShaA	Selfridge - Morocco loamy fine sands, 0 to 1 percent slopes
Bf	Brady loamy fine sand	ShaA	Selfridge - Morocco loamy fine sands, 0 to 1 percent slopes
BgA	Bronson loamy sand, 0 to 2 percent slopes	BstA	Brems loamy fine sand, 0 to 1 percent slopes
BmA	Bronson sandy loam, 0 to 2 percent slopes	ShaA	Selfridge - Morocco loamy fine sands, 0 to 1 percent slopes
Bn	Brookston loam	BuzA	Brookston - Navunon loams, 0 to 1 percent slopes
Br	Brookston silt loam	BuzA	Brookston - Navunon loams, 0 to 1 percent slopes
Bs	Brookston silty clay loam	BuzA	Brookston - Navunon loams, 0 to 1 percent slopes
Ca	Carlisle muck	BuzA	Brookston - Navunon loams, 0 to 1 percent slopes
CeA	Celina loam, 0 to 2 percent slopes	WogA	Williamstown fine sandy loam, 0 to 2 percent slopes
ChA	Chelsea fine sand, 0 to 2 percent slopes	ShaA	Selfridge - Morocco loamy fine sands, 0 to 1 percent slopes
ChB	Chelsea fine sand, 2 to 6 percent slopes	DbsB	Denham fine sand, 1 to 5 percent slopes
ChC	Chelsea fine sand, 6 to 12 percent slopes	OaeC	Oakville fine sand, 5 to 12 percent slopes
CoA	Corwin loam, 0 to 2 percent slopes	CqmA	Corwin fine sandy loam, 0 to 1 percent slopes
CrA	Corwin silt loam, 0 to 2 percent slopes	CqmA	Corwin fine sandy loam, 0 to 1 percent slopes
CrB2	Corwin silt loam, 2 to 6 percent slopes, moderately eroded	CqmA	Corwin fine sandy loam, 0 to 1 percent slopes
CsA	Crosby fine sandy loam, 0 to 2 percent slopes	OecA	Odell - Francesville fine sandy loams, 0 to 1 percent slopes
CtA	Crosby loam, 0 to 2 percent slopes	OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Bedrock Plain Approved map unit name
Da	Darroch loam	OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
Dc	Darroch loam, clay substratum	OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
Ds	Darroch silt loam	OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
Ff	Foresman fine sandy loam, sandy variant	WpbA	Winamac fine sandy loam, 0 to 1 percent slopes
Fo	Foresman loam	CqmA	Corwin fine sandy loam, 0 to 1 percent slopes
Gf	Gilford fine sandy loam	GdvA	Gilford-Monon fine sandy loams, 0 to 1 percent slopes
Gm	Gilford loam	GdvA	Gilford-Monon fine sandy loams, 0 to 1 percent slopes
Hp	Hoopeston fine sandy loam	SwxA	Sumava fine sandy loam, 0 to 1 percent slopes
Ma	Maumee fine sandy loam	GdvA	Gilford-Monon fine sandy loams, 0 to 1 percent slopes
Mk	Mermill silt loam	OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
M1A	Metea loamy fine sand, 0 to 2 percent slopes	ShaA	Selfridge-Morocco loamy fine sands, 0 to 1 percent slopes
M1B	Metea loamy fine sand, 2 to 6 percent slopes	SdzcB	Selfridge-Brems loamy fine sands, 1 to 4 percent slopes
Mr	Morocco loamy fine sand	MupA	Morocco loamy fine sand, 0 to 1 percent slopes
Nf	Newton loamy fine sand	GdvA	Gilford-Monon fine sandy loams, 0 to 1 percent slopes
Od	Odell loam	OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
Oe	Odell silt loam	OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
OfA	Oshtemo fine sandy loam, loamy substratum, 0 to 2 percent slopes	WpbA	Winamac fine sandy loam, 0 to 1 percent slopes
OfB	Oshtemo fine sandy loam, loamy substratum, 2 to 6 percent slopes	WpbB	Winamac fine sandy loam, 1 to 4 percent slopes
OmA	Oshtemo loamy fine sand, loamy substratum, 0 to 2 percent slopes	WpbA	Winamac fine sandy loam, 0 to 1 percent slopes
OmB	Oshtemo loamy fine sand, loamy substratum, 2 to 6 percent slopes	WpbB	Winamac fine sandy loam, 1 to 4 percent slopes
PaB2	Parr loam, 2 to 6 percent slopes, moderately eroded	OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
PlB	Plainfield fine sand, 2 to 6 percent slopes	DbsB	Denham fine sand, 1 to 5 percent slopes
PlC	Plainfield fine sand, 6 to 12 percent slopes	OaeC	Oakville. fine sand, 5 to 12 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Bedrock Plain Approved map unit name
Re	Rensselaer loam	BuzA	Brookston-Navunon loams, 0 to 1 percent slopes
Rs	Rensselaer silt loam	BuzA	Brookston-Navunon loams, 0 to 1 percent slopes
St	Stone Quarries	Pps	Pits, Quarries, Limestone
Su	Strole silt loam	BuzA	Brookston-Navunon loams, 0 to 1 percent slopes
Ta	Tawas muck	AbhAN	Adrian muck,drained, 0 to 1 percent slopes
Ws	Westland loam, moderately deep	BuzA	Brookston-Navunon loams, 0 to 1 percent slopes
Wt	Westland silt loam, moderately deep	BuzA	Brookston-Navunon loams, 0 to 1 percent slopes

See the "Landform Boundary Map" for the distribution of the Bedrock Plain.

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Lacustrine Plain Approved map unit name
AdB	Ade loamy fine sand, 2 to 6 percent slopes	SdzcB	Selfridge - Brems loamy fine sands, 1 to 4 percent slopes
AuA	Aubbeenaubbee fine sandy loam, 0 to 2 percent slopes	ShaA	Selfridge - Morocco loamy fine sands, 0 to 1 percent slopes
AyA	Ayr fine sandy loam, 0 to 2 percent slopes	HbzA	Headlee - Brady fine sandy loams, 0 to 1 percent slopes
BaA	Blount loam, 0 to 2 percent slopes	SwiA	Strole silt loam, 0 to 1 percent slopes
BcA	Berrien loamy fine sand, 0 to 2 percent slopes	BstA	Brems loamy fine sand, 0 to 1 percent slopes
BcB	Berrien loamy fine sand, 2 to 6 percent slopes	BstB	Brems loamy fine sand, 1 to 4 percent slopes
Bd	Brady fine sandy loam	HbzA	Headlee - Brady fine sandy loams, 0 to 1 percent slopes
Bf	Brady loamy fine sand	HbzA	Headlee - Brady fine sandy loams, 0 to 1 percent slopes
BgA	Bronson loamy sand, 0 to 2 percent slopes	HbzA	Headlee - Brady fine sandy loams, 0 to 1 percent slopes
Bn	Brookston loam	BuuA	Brookston loam, 0 to 1 percent slopes
Br	Brookston silt loam	BuuA	Brookston loam, 0 to 1 percent slopes
Ca	Carlisle muck	AbhAN	Adrian muck, drained, 0 to 1 percent slopes
		EcrAN	Edselton muck, drained, 0 to 1 percent slopes
		HtbAN	Houghton muck, drained, 0 to 1 percent slopes
		HtbAU	Houghton muck, undrained, 0 to 1 percent slopes
		MvhAN	Moston muck, drained, 0 to 1 percent slopes
		MwzAN	Muskego muck, drained, 0 to 1 percent slopes
		MwzAU	Muskego muck, undrained, 0 to 1 percent slopes
		TmaAN	Toto muck, drained, 0 to 1 percent slopes
		TmaAU	Toto muck, undrained, 0 to 1 percent slopes
CbA	Celina fine sandy loam, 0 to 2 percent slopes	WogA	Williamstown fine sandy loam, 0 to 2 percent slopes
CbB2	Celina fine sandy loam, 2 to 6 percent slopes	WoeB	Williamstown - Crosier fine sandy loams, 1 to 5 percent slopes
CeA	Celina loam, 0 to 2 percent slopes	SwiA	Strole silt loam, 0 to 1 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Lacustrine Plain Approved map unit name
CeB2	Celina loam, 2 to 6 percent slopes, moderately eroded	WoeB	Williamstown - Crosier fine sandy loams, 1 to 5 percent slopes
ChA	Chelsea fine sand, 0 to 2 percent slopes	BstB	Brems loamy fine sand, 1 to 4 percent slopes
ChB	Chelsea fine sand, 2 to 6 percent slopes	DbsB	Denham fine sand, 1 to 5 percent slopes
ChC	Chelsea fine sand, 6 to 12 percent slopes	OaeC	Oakville fine sand, 5 to 12 percent slopes
Cl	Clay pits	UbrA	Udorthents, Clayey, 0 to 1 percent slopes
CnA	Conover silt loam, 0 to 2 percent slopes	BuuA	Brookston loam, 0 to 1 percent slopes
CoA	Corwin loam, 0 to 2 percent slopes	SwiA	Strole silt loam, 0 to 1 percent slopes
CrB2	Corwin silt loam, 2 to 6 percent slopes, moderately eroded	WmgA	Whiskerville - Bronson fine sandy loams, 0 to 1 percent slopes
CsA	Crosby fine sandy loam, 0 to 2 percent slopes	SwiA	Strole silt loam, 0 to 1 percent slopes
CtA	Crosby loam, 0 to 2 percent slopes	SwiA	Strole silt loam, 0 to 1 percent slopes
Da	Darroch loam	MhnA	Medaryville loam, 0 to 1 percent slopes
Dc	Darroch loam, clay substratum	MhnA	Medaryville loam, 0 to 1 percent slopes
Ds	Darroch silt loam	MhnA	Medaryville loam, 0 to 1 percent slopes
Ed	Edwards muck	EchAN	Edwards Muck, drained, 0 to 1 percent
		EchAU	Edwards Muck, undrained, 0 to 1 percent
		EcrAN	Edselton muck, drained, 0 to 1 percent slopes
		EcrAU	Edselton muck, undrained, 0 to 1 percent slopes
Em	Eel loam	BuuA	Brookston loam, 0 to 1 percent slopes
Ff	Foresman fine sandy loam, sandy variant	WmgA	Whiskerville - Bronson fine sandy loams, 0 to 1 percent slopes
Fo	Foresman loam	MhnA	Medaryville loam, 0 to 1 percent slopes
Gf	Gilford fine sandy loam	WmiA	Whitepost - Gilford fine sandy loams, 0 to 1 percent slopes
Gm	Gilford loam	WmiA	Whitepost - Gilford fine sandy loams, 0 to 1 percent slopes
Hp	Hoopeston fine sandy loam	HbzA	Headlee - Brady fine sandy loams, 0 to 1 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Lacustrine Plain Approved map unit name
Ma	Maumee fine sandy loam	WmiA	Whitepost - Gilford fine sandy loams, 0 to 1 percent slopes
Md	Maumee fine sandy loam, ferruginous variant	WmiA	Whitepost - Gilford fine sandy loams, 0 to 1 percent slopes
Me	Maumee loamy fine sand	WmiA	Whitepost - Gilford fine sandy loams, 0 to 1 percent slopes
Mf	Maumee mucky fine sandy loam	WmiA	Whitepost - Gilford fine sandy loams, 0 to 1 percent slopes
Mh	Mermill loam	RebA	Radioville - Mermill loams, 0 to 1 percent slopes
Mk	Mermill silt loam	RebA	Radioville - Mermill loams, 0 to 1 percent slopes
MIA	Metea loamy fine sand, 0 to 2 percent slopes	HbzA	Headlee - Brady fine sandy loams, 0 to 1 percent slopes
MIB	Metea loamy fine sand, 2 to 6 percent slopes	WmgA	Whiskerville - Bronson fine sandy loams, 0 to 1 percent slopes
MmA	Miami fine sandy loam, 0 to 2 percent slopes	WogA	Williamstown fine sandy loam, 0 to 2 percent slopes
MmB	Miami fine sandy loam, 2 to 6 percent slopes	WoeB	Williamstown - Crosier fine sandy loams, 1 to 5 percent slopes
MoC3	Miami soils, 6 to 12 percent slopes, severly eroded	WoeB	Williamstown - Crosier fine sandy loams, 1 to 5 percent slopes
Mp	Montgomery silty clay	MouA	Milford silty clay loam, 0 to 1 percent slopes
Mr	Morocco loamy fine sand	MupA	Morocco loamy fine sand, 0 to 1 percent slopes
Nf	Newton loamy fine sand	WmiA	Whitepost - Gilford fine sandy loams, 0 to 1 percent slopes
Od	Odell loam	OeaA	Odell fine sandy loam, 0 to 1 percent slopes
Oe	Odell silt loam	OeaA	Odell fine sandy loam, 0 to 1 percent slopes
OfA	Oshtemo fine sandy loam, loamy substratum, 0 to 2 percent slopes	WmgA	Whiskerville-Bronson fine sandy loams, 0 to 1 percent slopes
OfB	Oshtemo fine sandy loam, loamy substratum, 2 to 6 percent slopes	BupB	Bronson fine sandy loam, 1 to 4 percent slopes
OmA	Oshtemo loamy fine sand, loamy substratum, 0 to 2 percent slopes	WmgA	Whiskerville - Bronson fine sandy loams, 0 to 1 percent slopes
OmB	Oshtemo loamy fine sand, loamy substratum, 2 to 6 percent slopes	BupB	Bronson fine sandy loam, 1 to 4 percent slopes
P1A	Plainfield fine sand, 0 to 2 percent slopes	DbsA	Denham fine sand, 0 to 1 percent slopes
P1B	Plainfield fine sand, 2 to 6 percent slopes	DbsB	Denham fine sand, 1 to 5 percent slopes
P1C	Plainfield fine sand, 6 to 12 percent slopes	OaeC	Oakville fine sand, 5 to 12 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Lacustrine Plain Approved map unit name
PIE	Plainfield fine sand, 12 to 25 percent slopes	OaeD	Oakville fine sand, 12 to 18 percent slopes
Re	Rensselaer loam	RevA	Rensselaer - Radioville loams, 0 to 1 percent slopes
Rs	Rensselaer silt loam	RevA	Rensselaer - Radioville loams, 0 to 1 percent slopes
SeB	Seward loamy fine sand, 2 to 6 percent slopes	SwiA	Strole silt loam, 0 to 1 percent slopes
Ss	Sloan silt loam, calcareous variant	SmsAK	Sloan silt loam, 0 to 1 percent slopes, occasionally flooded, brief duration
Su	Strole silt loam	SwiA	Strole silt loam, 0 to 1 percent slopes
Ta	Tawas muck	AbhAN	Adrian muck, drained, 0 to 1 percent slopes
		AbhAU	Adrian muck, undrained, 0 to 1 percent slopes
		EcrAN	Edselton muck, drained, 0 to 1 percent slopes
		MwzAN	Muskego muck, drained, 0 to 1 percent slopes
Wa	Wallkill silt loam	WrxAN	Wunabuna silt loam, drained, 0 to 1 percent slopes
Wh	Washtenaw silt loam	RevA	Rensselaer - Radioville loams, 0 to 1 percent slopes
Ws	Westland loam, moderately deep	RevA	Rensselaer - Radioville loams, 0 to 1 percent slopes
Wt	Westland silt loam, moderately deep	RevA	Rensselaer - Radioville loams, 0 to 1 percent slopes

See the "Landform Boundary Map" for the distribution of the Lacustrine Plain.

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Glacial Outwash Plain Approved map unit name
AuA	Aubbeenaubbee fine sandy loam, 0 to 2 percent slopes	MtpA	Moon - Selfridge complex, 0 to 1 percent slopes
BcA	Berrien loamy fine sand, 0 to 2 percent slopes	BswA	Brems - Morocco loamy fine sands, 0 to 1 percent slopes
BcB	Berrien loamy fine sand, 2 to 6 percent slopes	BstB	Brems loamy fine sand, 1 to 4 percent slopes
Bd	Brady fine sandy loam	BrvA	Brady fine sandy loam, 0 to 1 percent slopes
Bf	Brady loamy fine sand	MupA	Morocco loamy fine sand, 0 to 1 percent slopes
BgA	Bronson loamy sand, 0 to 2 percent slopes	BswA	Brems - Morocco loamy fine sands, 0 to 1 percent slopes
BmA	Bronson sandy loam, 0 to 2 percent slopes	MupA	Morocco loamy fine sand, 0 to 1 percent slopes
Bn	Brookston loam	BuuA	Brookston loam, 0 to 1 percent slopes
Br	Brookston silt loam	BuuA	Brookston loam, 0 to 1 percent slopes
Ca	Carlisle muck	AatAN	Ackerman muck, drained, 0 to 1 percent slopes
		AatAU	Ackerman muck, undrained, 0 to 1 percent slopes
		AbhAN	Adrian muck, drained, 0 to 1 percent slopes
		AbhAU	Adrian muck, undrained, 0 to 1 percent slopes
		ApuAN	Antung muck, drained, 0 to 1 percent slopes
		ApuAU	Antung muck, undrained, 0 to 1 percent slopes
		EchAN	Edwards Muck, drained, 0 to 1 percent slopes
		EchAU	Edwards Muck, undrained, 0 to 1 percent slopes
		EcrAN	Edselton muck, drained, 0 to 1 percent slopes
		EcrAU	Edselton muck, undrained, 0 to 1 percent slopes
		HtbAN	Houghton muck, drained, 0 to 1 percent slopes
		HtbAU	Houghton muck, undrained, 0 to 1 percent slopes
		MfrAN	Madaus muck, drained, 0 to 1 percent slopes
		MfrAU	Madaus muck, undrained, 0 to 1 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Glacial Outwash Plain Approved map unit name
Ca	Carlisle muck	MwzAN	Muskego muck, drained, 0 to 1 percent slopes
		MwzAU	Muskego muck, undrained, 0 to 1 percent slopes
		MvhAN	Moston muck, drained, 0 to 1 percent slopes
		MvhAU	Moston muck, undrained, 0 to 1 percent slopes
		TmaAN	Toto muck, drained, 0 to 1 percent slopes
		TmaAU	Toto muck, undrained, 0 to 1 percent slopes
CeA	Celina loam, 0 to 2 percent slopes	WogA	Williamstown fine sandy loam, 0 to 2 percent slopes
ChA	Chelsea fine sand, 0 to 2 percent slopes	DbsA	Denham fine sand, 0 to 1 percent slopes
ChB	Chelsea fine sand, 2 to 6 percent slopes	OacB	Oakville - Denham fine sands, 1 to 5 percent slopes
ChC	Chelsea fine sand, 6 to 12 percent slopes	CjfC	Chelsea fine sand, 5 to 12 percent slopes
ChD	Chelsea fine sand, 12 to 18 percent slopes	CjfC	Chelsea fine sand, 5 to 12 percent slopes
CsA	Crosby fine sandy loam, 0 to 2 percent slopes	CuyA	Crosier fine sandy loam, 0 to 1 percent slopes
Ed	Edwards muck	AatAN	Ackerman muck, drained, 0 to 1 percent slopes
		AatAU	Ackerman muck, undrained, 0 to 1 percent slopes
		AbhAN	Adrian muck, drained, 0 to 1 percent slopes
		AbhAU	Adrian muck, undrained, 0 to 1 percent slopes
		ApuAN	Antung muck, drained, 0 to 1 percent slopes
		ApuAU	Antung muck, undrained, 0 to 1 percent slopes
		EchAN	Edwards Muck, drained, 0 to 1 percent slopes
		EchAU	Edwards Muck, undrained, 0 to 1 percent slopes
		EcrAN	Edselton muck, drained, 0 to 1 percent slopes
		EcrAU	Edselton muck, undrained, 0 to 1 percent slopes
		HtbAN	Houghton muck, drained, 0 to 1 percent slopes
		HtbAU	Houghton muck, undrained, 0 to 1 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Glacial Outwash Plain Approved map unit name
Ed	Edwards muck	MfrAN	Madaus muck, drained, 0 to 1 percent slopes
		MfrAU	Madaus muck, undrained, 0 to 1 percent slopes
		MwzAN	Muskego muck, drained, 0 to 1 percent slopes
		MwzAU	Muskego muck, undrained, 0 to 1 percent slopes
		MvhAN	Moston muck, drained, 0 to 1 percent slopes
		MvhAU	Moston muck, undrained, 0 to 1 percent slopes
		TmaAN	Toto muck, drained, 0 to 1 percent slopes
		TmaAU	Toto muck, undrained, 0 to 1 percent slopes
Ff	Foresman fine sandy loam, sandy variant	MupA	Morocco loamy fine sand, 0 to 1 percent slopes
Gf	Gilford fine sandy loam	MgyA	Maumee - Gilford complex, 0 to 1 percent slopes
Gm	Gilford loam	MgyA	Maumee - Gilford complex, 0 to 1 percent slopes
Gv	Gilford loam, ferruginous variant	MgyA	Maumee - Gilford complex, 0 to 1 percent slopes
Hp	Hoopeston fine sandy loam	BswA	Brems - Morocco loamy fine sands, 0 to 1 percent slopes
Ma	Maumee fine sandy loam	MhaA	Maumee loamy fine sand, 0 to 1 percent slopes
Md	Maumee fine sandy loam, ferruginous variant	MhaA	Maumee loamy fine sand, 0 to 1 percent slopes
Me	Maumee loamy fine sand	MhaA	Maumee loamy fine sand, 0 to 1 percent slopes
Mf	Maumee mucky fine sandy loam	MhbA	Maumee mucky loamy fine sand, 0 to 1 percent slopes
MIA	Metea loamy fine sand, 0 to 2 percent slopes	MtpA	Moon - Selfridge complex, 0 to 1 percent slopes
MIB	Metea loamy fine sand, 2 to 6 percent slopes	MlwB	Metea - Moon loamy sands, 1 to 5 percent slopes
MmA	Miami fine sandy loam, 0 to 2 percent slopes	WogA	Williamstown fine sandy loam, 0 to 2 percent slopes
Mr	Morocco loamy fine sand	MupA	Morocco loamy fine sand, 0 to 1 percent slopes
Nf	Newton loamy fine sand	NofA	Newton - Morocco loamy fine sands, 0 to 1 percent slopes
		MhaA	Maumee loamy fine sand, 0 to 1 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Glacial Outwash Plain Approved map unit name
Od	Odell loam	OeaA	Odell fine sandy loam, 0 to 1 percent slopes
OfA	Oshtemo fine sandy loam, loamy substratum, 0 to 2 percent slopes	BswA	Brems - Morocco complex, 0 to 1 percent slopes
		WoxA	Williamstown - Winamac fine sandy loams, 0 to 1 percent slopes
OfB	Oshtemo fine sandy loam, loamy substratum, 2 to 6 percent slopes	WoxB	Williamstown - Winamac fine sandy loams, 1 to 4 percent slopes
OhA	Oshtemo loamy sand, 0 to 2 percent slopes	DbsA	Denham fine sand, 0 to 1 percent slopes
OhB	Oshtemo loamy sand, 2 to 6 percent slopes	OacB	Oakville - Denham fine sands, 1 to 5 percent slopes
OmA	Oshtemo loamy fine sand, loamy substratum, 0 to 2 percent slopes	BswA	Brems - Morocco complex, 0 to 1 percent slopes
		WoxA	Williamstown - Winamac fine sandy loams, 0 to 1 percent slopes
OmB	Oshtemo loamy fine sand, loamy substratum, 2 to 6 percent slopes	WoxB	Williamstown - Winamac fine sandy loams, 1 to 4 percent slopes
PIA	Plainfield fine sand, 0 to 2 percent slopes	DbsA	Denham fine sand, 0 to 1 percent slopes
PIB	Plainfield fine sand, 2 to 6 percent slopes	OacB	Oakville - Denham fine sands, 1 to 5 percent slopes
PIC	Plainfield fine sand, 6 to 12 percent slopes	OaeC	Oakville fine sand, 5 to 12 percent slopes
PIE	Plainfield fine sand, 12 to 25 percent slopes	OaeD	Oakville fine sand, 12 to 18 percent slopes
Re	Rensselaer loam	ReyA	Rensselaer loam, 0 to 1 percent slopes
Rs	Rensselaer silt loam	ReyA	Rensselaer loam, 0 to 1 percent slopes
Ta	Tawas muck	AatAN	Ackerman muck, drained, 0 to 1 percent slopes
		AatAU	Ackerman muck, undrained, 0 to 1 percent slopes
		AbhAN	Adrian muck, drained, 0 to 1 percent slopes
		AbhAU	Adrian muck, undrained, 0 to 1 percent slopes
		ApuAN	Antung muck, drained, 0 to 1 percent slopes
		ApuAU	Antung muck, undrained, 0 to 1 percent slopes
		EchAN	Edwards Muck, drained, 0 to 1 percent slopes
		EchAU	Edwards Muck, undrained, 0 to 1 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Glacial Outwash Plain Approved map unit name
Ta	Tawas muck	EcrAN	Edselton muck, drained, 0 to 1 percent slopes
		EcrAU	Edselton muck, undrained, 0 to 1 percent slopes
		HtbAN	Houghton muck, drained, 0 to 1 percent slopes
		HtbAU	Houghton muck, undrained, 0 to 1 percent slopes
		MfrAN	Madaus muck, drained, 0 to 1 percent slopes
		MfrAU	Madaus muck, undrained, 0 to 1 percent slopes
		MwzAN	Muskego muck, drained, 0 to 1 percent slopes
		MwzAU	Muskego muck, undrained, 0 to 1 percent slopes
		MvhAN	Moston muck, drained, 0 to 1 percent slopes
		MvhAU	Moston muck, undrained, 0 to 1 percent slopes
Wa	Wallkill silt loam	MhaA	Toto muck, drained, 0 to 1 percent slopes
			Toto muck, undrained, 0 to 1 percent slopes
Wt	Westland silt loam, moderately deep	MgyA	Maumee - Gilford complex. 0 to 1 percent slopes

The following units were correlated independent of the Glacial Outwash Plain and were changed on the map.

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Glacial Outwash Plain Approved map unit name
Gf	Gilford fine sandy loam	GmnA	Goodell – Gilford fine sandy loams, 0 to 1 percent slopes Sections 19 and 20, T31N, R3W
Gv	Gilford loam, ferruginous var.		Sections 19 and 20, T31N, R3W
Nf	Newton loamy fine sand		Sections 19 and 20, T31N, R3W
Nf	Newton loamy fine sand		Section 24, T31N, R4W
BmA	Bronson sandy loam, 0 to 2 percent slopes	WpbA	Winamac fine sandy loam, 0 to 1 percent slopes Section 19, T31N, R3W
Bd	Brady fine sandy loam	WoxA	Williamstown – Winamac fine sandy loams, 0 to 1 percent slopes Section 22, T31N, R3W

See the "Landform Boundary Map" for the distribution of the Glacial Outwash Plain.

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Tippy River East Outwash Plain Approved map unit name
BcA	Berrien loamy fine sand, 0 to 2 percent slopes	BstA	Brems loamy fine sand, 0 to 1 percent slopes
BcB	Berrien loamy fine sand, 2 to 6 percent slopes	BstB	Brems loamy fine sand, 1 to 4 percent slopes
Bd	Brady fine sandy loam	BrvA	Brady fine sandy loam, 0 to 1 percent slopes
Bf	Brady loamy fine sand	MupA	Morocco loamy fine sand, 0 to 1 percent slopes
BgA	Bronson loamy sand, 0 to 2 percent slopes	BswA	Brems - Morocco complex, 0 to 1 percent slopes
Ca	Carlisle muck	AatAN	Ackerman muck, drained, 0 to 1 percent slopes
		AatAU	Ackerman muck, undrained, 0 to 1 percent slopes
		AbhAN	Adrian muck, drained, 0 to 1 percent slopes
		AbhAU	Adrian muck, undrained, 0 to 1 percent slopes
		ApuAN	Antung muck, drained, 0 to 1 percent slopes
		ApuAU	Antung muck, undrained, 0 to 1 percent slopes
		EchAN	Edwards Muck, drained, 0 to 1 percent slopes
		EchAU	Edwards Muck, undrained, 0 to 1 percent slopes
		EcrAN	Edselton muck, drained, 0 to 1 percent slopes
		EcrAU	Edselton muck, undrained, 0 to 1 percent slopes
		HtbAN	Houghton muck, drained, 0 to 1 percent slopes
		HtbAU	Houghton muck, undrained, 0 to 1 percent slopes
		MfrAN	Madaus muck, drained, 0 to 1 percent slopes
		MfrAU	Madaus muck, undrained, 0 to 1 percent slopes
		MwzAN	Muskego muck, drained, 0 to 1 percent slopes
		MwzAU	Muskego muck, undrained, 0 to 1 percent slopes
		MvhAN	Moston muck, drained, 0 to 1 percent slopes
		MvhAU	Moston muck, undrained, 0 to 1 percent slopes
		TmaAN	Toto muck, drained, 0 to 1 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Tippy River East Outwash Plain Approved map unit name
Ca	Carlisle muck	TmaAU	Toto muck, undrained, 0 to 1 percent slopes
ChA	Chelsea fine sand, 0 to 2 percent slopes	OacA	Oakville - Denham fine sands, 0 to 1 percent slopes
ChB	Chelsea fine sand, 2 to 6 percent slopes	OacB	Oakville - Denham fine sands, 1 to 5 percent slopes
ChC	Chelsea fine sand, 6 to 12 percent slopes	CjfC	Chelsea fine sand, 5 to 12 percent slopes
ChD	Chelsea fine sand, 12 to 18 percent slopes	CjfD	Chelsea fine sand, 12 to 18 percent slopes
Ed	Edwards muck	AatAN	Ackerman muck, drained, 0 to 1 percent slopes
		AatAU	Ackerman muck, undrained, 0 to 1 percent slopes
		AbhAN	Adrian muck, drained, 0 to 1 percent slopes
		AbhAU	Adrian muck, undrained, 0 to 1 percent slopes
		ApuAN	Antung muck, drained, 0 to 1 percent slopes
		ApuAU	Antung muck, undrained, 0 to 1 percent slopes
		EchAN	Edwards Muck, drained, 0 to 1 percent slopes
		EchAU	Edwards Muck, undrained, 0 to 1 percent slopes
		EcrAN	Edselton muck, drained, 0 to 1 percent slopes
		EcrAU	Edselton muck, undrained, 0 to 1 percent slopes
		HtbAN	Houghton muck, drained, 0 to 1 percent slopes
		HtbAU	Houghton muck, undrained, 0 to 1 percent slopes
		MfrAN	Madaus muck, drained, 0 to 1 percent slopes
		MfrAU	Madaus muck, undrained, 0 to 1 percent slopes
		MwzAN	Muskego muck, drained, 0 to 1 percent slopes
		MwzAU	Muskego muck, undrained, 0 to 1 percent slopes
		MvhAN	Moston muck, drained, 0 to 1 percent slopes
		MvhAU	Moston muck, undrained, 0 to 1 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Tippy River East Outwash Plain Approved map unit name
Ed	Edwards muck	TmaAN	Toto muck, drained, 0 to 1 percent slopes
		TmaAU	Toto muck, undrained, 0 to 1 percent slopes
FsA	Fox sandy loam, 0 to 2 percent slopes	DbsA	Denham fine sand, 0 to 1 percent slopes
Gf	Gilford fine sandy loam	GsaA	Granby - Gilford complex, 0 to 1 percent slopes
Gm	Gilford loam	GcwA	Gilford fine sandy loam, 0 to 1 percent slopes
Gv	Gilford loam, ferruginous variant	GsaA	Granby - Gilford complex, 0 to 1 percent slopes
Ho	Homer sandy loam	HnbA	Homer sandy loam, 0 to 1 percent slopes
Ma	Maumee fine sandy loam	GrfA	Granby loamy fine sand, 0 to 1 percent slopes
Md	Maumee fine sandy loam, ferruginous variant	GrfA	Granby loamy fine sand, 0 to 1 percent slopes
Mf	Maumee mucky fine sandy loam	GrfA	Granby loamy fine sand, 0 to 1 percent slopes
Mr	Morocco loamy fine sand	MupA	Morocco loamy fine sand, 0 to 1 percent slopes
Nf	Newton loamy fine sand	NofA	Newton - Morocco loamy fine sands, 0 to 1 percent slopes
		GrfA	Granby loamy fine sand, 0 to 1 percent slopes
OfA	Oshtemo fine sandy loam, loamy substratum, 0 to 2 percent slopes	DbsA	Denham fine sand, 0 to 1 percent slopes
OhA	Oshtemo loamy sand, 0 to 2 percent slopes	DbsA	Denham fine sand, 0 to 1 percent slopes
OhB	Oshtemo loamy sand, 2 to 6 percent slopes	OacB	Oakville - Denham fine sands, 1 to 5 percent slopes
OhC	Oshtemo loamy sand, 6 to 12 percent slopes	OaeC	Oakville fine sand, 5 to 12 percent slopes
OmA	Oshtemo loamy fine sand, loamy substratum, 0 to 2 percent slopes	DbsA	Denham fine sand, 0 to 1 percent slopes
OmB	Oshtemo loamy fine sand, loamy substratum, 2 to 6 percent slopes	OacB	Oakville - Denham fine sands, 1 to 5 percent slopes
PIA	Plainfield fine sand, 0 to 2 percent slopes	OacA	Oakville - Denham fine sands, 0 to 1 percent slopes
PIB	Plainfield fine sand, 2 to 6 percent slopes	OacB	Oakville - Denham fine sands, 1 to 5 percent slopes
PIC	Plainfield fine sand, 6 to 12 percent slopes	OaeC	Oakville fine sand, 5 to 12 percent slopes
PIE	Plainfield fine sand, 12 to 25 percent slopes	OaeD	Oakville fine sand, 12 to 18 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Tippy River East Outwash Plain Approved map unit name
Re	Rensselaer loam	ReyA	Rensselaer loam, 0 to 1 percent slopes
Ta	Tawas muck	AatAN	Ackerman muck, drained, 0 to 1 percent slopes
		AatAU	Ackerman muck, undrained, 0 to 1 percent slopes
		AbhAN	Adrian muck, drained, 0 to 1 percent slopes
		AbhAU	Adrian muck, undrained, 0 to 1 percent slopes
		ApuAN	Antung muck, drained, 0 to 1 percent slopes
		ApuAU	Antung muck, undrained, 0 to 1 percent slopes
		EchAN	Edwards Muck, drained, 0 to 1 percent slopes
		EchAU	Edwards Muck, undrained, 0 to 1 percent slopes
		EcrAN	Edselton muck, drained, 0 to 1 percent slopes
		EcrAU	Edselton muck, undrained, 0 to 1 percent slopes
		HtbAN	Houghton muck, drained, 0 to 1 percent slopes
		HtbAU	Houghton muck, undrained, 0 to 1 percent slopes
		MfrAN	Madaus muck, drained, 0 to 1 percent slopes
		MfrAU	Madaus muck, undrained, 0 to 1 percent slopes
		MwzAN	Muskego muck, drained, 0 to 1 percent slopes
		MwzAU	Muskego muck, undrained, 0 to 1 percent slopes
		MvhAN	Moston muck, drained, 0 to 1 percent slopes
		MvhAU	Moston muck, undrained, 0 to 1 percent slopes
		TmaAN	Toto muck, drained, 0 to 1 percent slopes
		TmaAU	Toto muck, undrained, 0 to 1 percent slopes
Ws	Westland loam, moderately deep	ScuA	Sebewa loam, 0 to 1 percent slopes
Wt	Westland silt loam, moderately deep	ScuA	Sebewa loam, 0 to 1 percent slopes

See the "Landform Boundary Map" for the distribution of the Tippy River East Outwash Plain.

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Glacial Till Plain Approved map unit name
Ab	Abscota fine sandy loam	AadAK	Abscota fine sandy loam, 0 to 2 percent slopes, occasionally flooded, brief duration
AdB	Ade loamy fine sand, 2 to 6 percent slopes	MlwB	Metea - Moon loamy sands, 1 to 5 percent slopes
AuA	Aubbeenaubbee fine sandy loam, 0 to 2 percent slopes	SgzA	Selfridge loamy fine sand, 0 to 1 percent slopes
AyA	Ayr fine sandy loam, 0 to 2 percent slopes	MtpA	Moon - Selfridge complex, 0 to 1 percent slopes
BaA	Blount loam, 0 to 2 percent slopes	CuyA	Crosier loam, 0 to 1 percent slopes
BcA	Berrien loamy fine sand, 0 to 2 percent slopes	BswA	Brems - Morocco loamy fine sands, 0 to 1 percent slopes
BcB	Berrien loamy fine sand, 2 to 6 percent slopes	SdzcB	Selfridge - Brems complex, 1 to 4 percent slopes
Bd	Brady fine sandy loam	BwfA	Budd - Brady fine sandy loams, 0 to 1 percent slopes
Bf	Brady loamy fine sand	BwfA	Budd - Brady fine sandy loams, 0 to 1 percent slopes
BgA	Bronson loamy sand, 0 to 2 percent slopes	WpaA	Winamac - Bronson fine sandy loams, 0 to 1 percent slopes
BmA	Bronson sandy loam, 0 to 2 percent slopes	WpaA	Winamac - Bronson fine sandy loams, 0 to 1 percent slopes
Bn	Brookston loam	BuuA	Brookston loam, 0 to 1 percent slopes
Bo	Brookston mucky silt loam	BuuA	Brookston loam, 0 to 1 percent slopes
Br	Brookston silt loam	BuuA	Brookston loam, 0 to 1 percent slopes
Bs	Brookston silty clay loam	BuuA	Brookston loam, 0 to 1 percent slopes
Ca	Carlisle muck	AatAN	Ackerman muck, drained, 0 to 1 percent slopes
		AatAU	Ackerman muck, undrained, 0 to 1 percent slopes
		AbhAN	Adrian muck, drained, 0 to 1 percent slopes
		AbhAU	Adrian muck, undrained, 0 to 1 percent slopes
		ApuAN	Antung muck, drained, 0 to 1 percent slopes
		ApuAU	Antung muck, undrained, 0 to 1 percent slopes
		EchAN	Edwards Muck, drained, 0 to 1 percent slopes
		EchAU	Edwards Muck, undrained, 0 to 1 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Glacial Till Plain Approved map unit name
Ca	Carlisle muck	EcrAN	Edselton muck, drained, 0 to 1 percent slopes
		EcrAU	Edselton muck, undrained, 0 to 1 percent slopes
		HtbAN	Houghton muck, drained, 0 to 1 percent slopes
		HtbAU	Houghton muck, undrained, 0 to 1 percent slopes
		MfrAN	Madaus muck, drained, 0 to 1 percent slopes
		MfrAU	Madaus muck, undrained, 0 to 1 percent slopes
		MwzAN	Muskego muck, drained, 0 to 1 percent slopes
		MwzAU	Muskego muck, undrained, 0 to 1 percent slopes
		MvhAN	Moston muck, drained, 0 to 1 percent slopes
		MvhAU	Moston muck, undrained, 0 to 1 percent slopes
CbA	Celina fine sandy loam, 0 to 2 percent slopes	WogA	Williamstown fine sandy loam, 0 to 2 percent slopes
CbB2	Celina fine sandy loam, 2 to 6 percent slopes	WoeB	Williamstown - Crosier fine sandy loams, 1 to 5 percent slopes
CeA	Celina loam, 0 to 2 percent slopes	WogA	Williamstown fine sandy loam, 0 to 2 percent slopes
CeB2	Celina loam, 2 to 6 percent slopes, moderately eroded	WoeB	Williamstown - Crosier fine sandy loams, 1 to 5 percent slopes
ChA	Chelsea fine sand, 0 to 2 percent slopes	DbsA	Denham fine sand, 0 to 1 percent slopes
ChB	Chelsea fine sand, 2 to 6 percent slopes	OacB	Oakville - Denham fine sands, 1 to 5 percent slopes
ChC	Chelsea fine sand, 6 to 12 percent slopes	CjfC	Chelsea fine sand, 5 to 12 percent slopes
ChD	Chelsea fine sand, 12 to 18 percent slopes	CjfD	Chelsea fine sand, 12 to 18 percent slopes
CmA	Conover loam, 0 to 2 percent slopes	CpcA	Conover loam, 0 to 1 percent slopes
CnA	Conover silt loam, 0 to 2 percent slopes	CpcA	Conover loam, 0 to 1 percent slopes
CoA	Corwin loam, 0 to 2 percent slopes	CqmA	Corwin fine sandy loam, 0 to 1 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Glacial Till Plain Approved map unit name
CrA	Corwin silt loam, 0 to 2 percent slopes	CqmA	Corwin fine sandy loam, 0 to 1 percent slopes
CrB2	Corwin silt loam, 2 to 6 percent slopes, moderately eroded	WoeB	Williamstown - Crosier fine sandy loams, 1 to 5 percent slopes
CsA	Crosby fine sandy loam, 0 to 2 percent slopes	CuyA	Crosier fine sandy loam, 0 to 1 percent slopes
CtA	Crosby loam, 0 to 2 percent slopes	CuyA	Crosier fine sandy loam, 0 to 1 percent slopes
CuA	Crosby silt loam, 0 to 2 percent slopes	CuyA	Crosier fine sandy loam, 0 to 1 percent slopes
CuB	Crosby silt loam, 2 to 6 percent slopes	CuyA	Crosier fine sandy loam, 0 to 1 percent slopes
Da	Darroch loam	MtpA	Moon - Selfridge complex, 0 to 1 percent slopes
Ed	Edwards muck	AatAN	Ackerman muck, drained, 0 to 1 percent slopes
		AatAU	Ackerman muck, undrained, 0 to 1 percent slopes
		AbhAN	Adrian muck, drained, 0 to 1 percent slopes
		AbhAU	Adrian muck, undrained, 0 to 1 percent slopes
		ApuAN	Antung muck, drained, 0 to 1 percent slopes
		ApuAU	Antung muck, undrained, 0 to 1 percent slopes
		EchAN	Edwards Muck, drained, 0 to 1 percent slopes
		EchAU	Edwards Muck, undrained, 0 to 1 percent slopes
		EcrAN	Edselton muck, drained, 0 to 1 percent slopes
		EcrAU	Edselton muck, undrained, 0 to 1 percent slopes
		HtbAN	Houghton muck, drained, 0 to 1 percent slopes
		HtbAU	Houghton muck, undrained, 0 to 1 percent slopes
		MfrAN	Madaus muck, drained, 0 to 1 percent slopes
		MfrAU	Madaus muck, undrained, 0 to 1 percent slopes
		MwzAN	Muskego muck, drained, 0 to 1 percent slopes
		MwzAU	Muskego muck, undrained, 0 to 1 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Glacial Till Plain Approved map unit name
Ed	Edwards muck	MvhAN	Moston muck, drained, 0 to 1 percent slopes
		MvhAU	Moston muck, undrained, 0 to 1 percent slopes
		TmaAN	Toto muck, drained, 0 to 1 percent slopes
		TmaAU	Toto muck, undrained, 0 to 1 percent slopes
Em	Eel loam	CnzAI	Cohoctah - Abscota complex, 0 to 1 percent slopes, frequently flooded, brief duration
Ff	Foresman fine sandy loam, sandy variant	WpbA	Winamac fine sandy loam, 0 to 1 percent slopes
FsA	Fox sandy loam, 0 to 2 percent slopes	MtoA	Moon - Ormas loamy sands, 0 to 1 percent slopes
		MtpA	Moon - Selfridge complex, 0 to 1 percent slopes
		RhcA	Riddles fine sandy loam, 0 to 2 percent slopes
Gf	Gilford fine sandy loam	GmnA	Goodell - Gilford fine sandy loams, 0 to 1 percent slopes
Gm	Gilford loam	GmnA	Goodell - Gilford fine sandy loams, 0 to 1 percent slopes
Gv	Gilford loam, ferruginous variant	GmnA	Goodell - Gilford fine sandy loams, 0 to 1 percent slopes
Ho	Homer sandy loam	BwfA	Budd - Brady fine sandy loams, 0 to 1 percent slopes
Ma	Maumee fine sandy loam	MgzA	Maumee - Gumz complex, 0 to 1 percent slopes
Md	Maumee fine sandy loam, ferruginous variant	MgzA	Maumee - Gumz complex, 0 to 1 percent slopes
Me	Maumee loamy fine sand	GrfA	Granby loamy fine sand, 0 to 1 percent slopes
Mf	Maumee mucky fine sandy loam	GmnA	Goodell - Gilford fine sandy loams, 0 to 1 percent slopes
MIA	Metea loamy fine sand, 0 to 2 percent slopes	MtpA	Moon - Selfridge complex, 0 to 1 percent slopes
MIB	Metea loamy fine sand, 2 to 6 percent slopes	MlwB	Metea - Moon loamy sands, 1 to 5 percent slopes
MmA	Miami fine sandy loam, 0 to 2 percent slopes	RhcA	Riddles fine sandy loam, 0 to 2 percent slopes

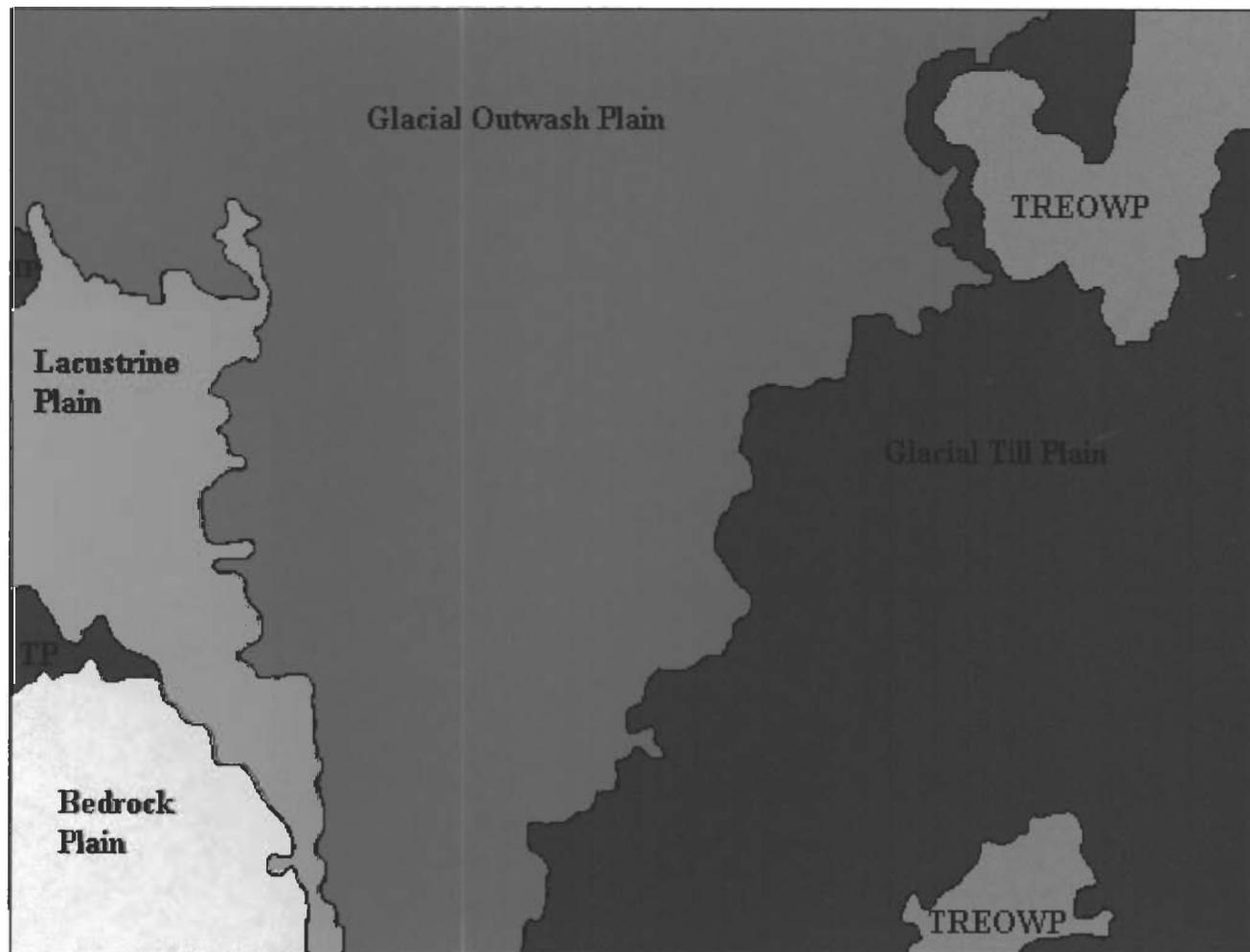
Field Symbol	1968 Legend Field map unit name	Publication Symbol	Glacial Till Plain Approved map unit name
MmB	Miami fine sandy loam, 2 to 6 percent slopes	MnzB	Miami - Williamstown fine sandy loams, 2 to 5 percent slopes
MmB2	Miami fine sandy loam, 2 to 6 percent slopes, moderately eroded	MnzB	Miami - Williamstown fine sandy loams, 2 to 5 percent slopes
MmC2	Miami fine sandy loam, 6 to 12 percent slopes, moderately eroded	MmyC2	Miami fine sandy loam, 5 to 10 percent slopes, moderately eroded
MnA	Miami loam, 0 to 2 percent slopes	RhcA	Riddles fine sandy loam, 0 to 2 percent slopes
MoC3	Miami soils, 6 to 12 percent slopes, severly eroded	MmyC2	Miami fine sandy loam, 5 to 10 percent slopes, moderately eroded
Mr	Morocco loamy fine sand	MupA	Morocco loamy fine sand, 0 to 1 percent slopes
Nf	Newton loamy fine sand	GrfA	Granby loamy fine sand, 0 to 1 percent slopes
Od	Odell loam	OeaA	Odell fine sandy loam, 0 to 1 percent slopes
Oe	Odell silt loam	OeaA	Odell fine sandy loam, 0 to 1 percent slopes
OfA	Oshtemo fine sandy loam, loamy substratum, 0 to 2 percent slopes	MtoA	Moon - Ormas loamy sands, 0 to 1 percent slopes
OfB	Oshtemo fine sandy loam, loamy substratum, 2 to 6 percent slopes	MtoB	Moon - Ormas loamy sands, 1 to 5 percent slopes
OhA	Oshtemo loamy sand, 0 to 2 percent slopes	MtoA	Moon - Ormas loamy sands, 0 to 1 percent slopes
OhB	Oshtemo loamy sand, 2 to 6 percent slopes	MtoB	Moon - Ormas loamy sands, 1 to 5 percent slopes
OhC	Oshtemo loamy sand, 6 to 12 percent slopes	OaeC	Oakville fine sand, 5 to 12 percent slopes
OmA	Oshtemo loamy fine sand, loamy substratum, 0 to 2 percent slopes	MtoA	Moon - Ormas loamy sands, 0 to 1 percent slopes
OmB	Oshtemo loamy fine sand, loamy substratum, 2 to 6 percent slopes	MtoB	Moon - Ormas loamy sands, 1 to 5 percent slopes
PIA	Plainfield fine sand, 0 to 2 percent slopes	DbsA	Denham fine sand, 0 to 1 percent slopes
PIB	Plainfield fine sand, 2 to 6 percent slopes	OacB	Oakville - Denham fine sands, 1 to 5 percent slopes
PIC	Plainfield fine sand, 6 to 12 percent slopes	OaeC	Oakville fine sand, 5 to 12 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Glacial Till Plain Approved map unit name
PIE	Plainfield fine sand, 12 to 25 percent slopes	OaeD	Oakville fine sand, 12 to 18 percent slopes
Re	Rensselaer loam	ReyA	Rensselaer loam, 0 to 1 percent slopes
Rs	Rensselaer silt loam	ReyA	Rensselaer loam, 0 to 1 percent slopes
So	Sloan loam, calcareous variant	CmbAI	Cohoctah loam, 0 to 1 percent slopes, frequently flooded, brief duration
Ss	Sloan silt loam, calcareous variant	CmbAI	Cohoctah loam, 0 to 1 percent slopes, frequently flooded, brief duration
St	Stone Quarries	Pmg	Pits, Gravel
Ta	Tawas muck	AatAN	Ackerman muck, drained, 0 to 1 percent slopes
		AatAU	Ackerman muck, undrained, 0 to 1 percent slopes
		AbhAN	Adrian muck, drained, 0 to 1 percent slopes
		AbhAU	Adrian muck, undrained, 0 to 1 percent slopes
		ApuAN	Antung muck, drained, 0 to 1 percent slopes
		ApuAU	Antung muck, undrained, 0 to 1 percent slopes
		EchAN	Edwards Muck, drained, 0 to 1 percent slopes
		EchAU	Edwards Muck, undrained, 0 to 1 percent slopes
		EcrAN	Edselton muck, drained, 0 to 1 percent slopes
		EcrAU	Edselton muck, undrained, 0 to 1 percent slopes
		HtbAN	Houghton muck, drained, 0 to 1 percent slopes
		HtbAU	Houghton muck, undrained, 0 to 1 percent slopes
		MfrAN	Madaus muck, drained, 0 to 1 percent slopes
		MfrAU	Madaus muck, undrained, 0 to 1 percent slopes

Field Symbol	1968 Legend Field map unit name	Publication Symbol	Glacial Till Plain Approved map unit name
Ta	Tawas muck	MwzAN	Muskego muck, drained, 0 to 1 percent slopes
		MwzAU	Muskego muck, undrained, 0 to 1 percent slopes
		MvhAN	Moston muck, drained, 0 to 1 percent slopes
		MvhAU	Moston muck, undrained, 0 to 1 percent slopes
		TmaAN	Toto muck, drained, 0 to 1 percent slopes
		TmaAU	Toto muck, undrained, 0 to 1 percent slopes
Wa	Wallkill silt loam	WrxAN	Wunabuna silt loam, drained, 0 to 1 percent slopes
Wh	Washtenaw silt loam	Snla	Southwest silt loam, 0 to 1 percent slopes
Ws	Westland loam, moderately deep	ScuA	Sebewa loam, 0 to 1 percent slopes
Wt	Westland silt loam, moderately deep	ScuA	Sebewa loam, 0 to 1 percent slopes

See the "Landform Boundary Map" for the distribution of the Glacial Outwash Plain.

**LANDFORM BOUNDARY MAP
OF
PULASKI COUNTY, INDIANA**



- Bedrock Plain**
- Glacial Outwash Plain**
- Glacial Till Plain (TP)**
- Lacustrine Plain**
- Tippecanoe River East Outwash Plain (TREOWP)**

Series established by this correlation:

Antung, Budd, Denham, Edselton, Francesville, Goodell, Gumz, Headlee, Madaus, Medaryville, Monon, Moon, Moston, Navunon, Radioville, Whiskerville, Whitepost, and Winamac

Series dropped from the 1968 soil survey report:

Ade, Aubbeaubbee, Ayr, Blount, Berrien, Carlisle, Celina, Clay Pits, Crosby, Darroch, Eel, Foresman, Fox, Hoopeston, Montgomery, Oshtemo, Parr, Plainfield, Seward, Stone Quarries, Tawas, Wallkill, Washtenaw, and Westland

Established series added to the correlation legend:

Ackerman, Adrian, Brems, Cohoctah, Crosier, Granby, Houghton, Milford, Muskego, Oakville, Ormas, Riddles, Sebewa, Selfridge, Southwest, Sumava, Toto, Williamstown, and Wunabuna.

Type locations relocated:

Edwards – Moved from Washtenaw County, Michigan to Jackson County, Michigan
Homer – Moved from Noble County, Indiana to Fulton County, Indiana
Newton – Moved from Pulaski County, Indiana to Jasper County, Indiana
Oakville – Moved from Macomb County, Michigan to Jasper County, Indiana
Odell – Moved from Warren County, Indiana to Benton County, Indiana
Ormas – Moved from Miami County, Indiana to Wabash County, Indiana

Series Made Inactive:

NONE – Berrien was placed on the inactive list during the 1968 publication process.

Verification of exact cooperator names:

(For the front cover and half-title page)

United States Department of Agriculture
Natural Resources Conservation Service
in Cooperation with Purdue University Agricultural Experiment Station and
the Indiana Department of Natural Resources, State Soil Conservation Board and
Division of Soil Conservation

The cooperators to be listed on the inside of the front cover are the same as those on the front cover, and in addition state: "This soil survey update is part of the technical assistance provided to Pulaski County Soil and Water Conservation District. Financial assistance was provided by the Board of County Commissioners of Pulaski County."

Prior soil survey publications:

The last soil survey of Pulaski County was completed in 1965 and was published by the United States Department of Agriculture, Soil Conservation Service in 1968. Reference to the prior soil surveys will be included in the literature citation of the manuscript. This survey replaces the 1968 soil survey and provides additional data, updated soil interpretations, and digital soil maps at a 1:12,000 scale on a 1 meter resolution orthophotography basemap.

Join Statements:

Pulaski County, which was published in 1968, joins six modern soil surveys. These are: Cass, Fulton, Jasper, Marshall, Starke, and White Counties of Indiana. Cass County to the southeast was published in 1981. Fulton County to the east was published in 1987. Jasper County to the west was published in 1990. Marshall County to the northeast was published in 1980. Starke County to the north was published in 1982. White County to the southwest was published in 1982. An exact join will be completed when these counties are updated to the MLRA legend.

The 1:250,000 scale STATSGO map will be revised and used as the base map for the general soil map. Therefore, the general soil map will not be joined to adjacent subsets. A hard copy of the map adjustments to Pulaski County and adjacent subsets will be on file at the MO Office in Indianapolis, Indiana and the Headwaters MLRA Soil Survey Project Office in Plymouth, Indiana.

Disposition of field sheets:

The original soil maps used for the Soil Survey Report were ratioed and then converted from the scale of 1:15,840 to 1:12,000. These maps were then compiled onto orthophotography quarter quadrangles at a scale of 1:12,000. Geographic area to the county boundaries was compiled, i.e. compilation was to the county line resulting in partial compilation of quarter quadrangles along county boundaries. The compiled maps will be delivered to the Indianapolis Digitizing Staff. Copies of the CD-ROM of the final product will remain at the state office, be certified for SSURGO at the Michigan Digitizing Center, and be provided to the Pulaski County Board as part of the cost share cooperative agreement.

Instructions for map compilation and map finishing:

Map recompilation is scheduled for completion by the Headwaters MLRA Soil Survey Staff by May 2000. Soils, water, and cultural features will be compiled onto the orthophotography quarter quadrangles. Symbols for map finishing will be those approved for SSURGO standards as shown in this document. The Indianapolis Digitizing Staff will complete a final check before delivering the product to the Michigan Digitizing center for SSURGO certification.

General Soil Map Units:

Current conventions for general soil map development will be used for Pulaski County. A 1:250,000 STATSGO will be used as the base map for the general soil map.

There will be an amendment to this correlation memorandum issued once the digital soils data is available. The digital soils data will be used to determine association delineation boundaries, composition of named components, and types and amount of minor soils within the association.

Conventional and Special Symbols Legend:

Only those symbols indicated on the revise Indiana's NRCS-SOILS-37A (3/21/2000) will be shown on the legend and placed on the soil maps. The Indiana NRCS-SOILS 37A, definitions, explanations of the symbols, and terms used are within this document.

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
CULTURAL FEATURES		CULTURAL FEATURES (cont.)		SPECIAL SYMBOLS FOR SOIL SURVEY AND SSURGO	
BOUNDARIES				SOIL DELINEATIONS AND SYMBOLS	
<p> <u>County or parish</u></p> <p> <u>Minor civil division</u></p> <p> <u>Reservation, (national forest or park, state forest or park)</u></p>					
OTHER BOUNDARY (label)				LANDFORM FEATURES	
<p> <u>Airport, airfield</u></p> <p> <u>Cemetery</u></p>					
STATE COORDINATE TICK				SHORT STEEP SLOPE	
LAND DIVISION CORNERS (section and land grants)				GULLY	
GEOGRAPHIC COORDINATE TICK				DEPRESSION, closed	
ROAD EMBLEMS & DESIGNATIONS				SINKHOLE	
<p> <u>Interstate</u></p> <p> <u>Federal</u></p> <p> <u>State</u></p> <p> <u>County, farm, or ranch</u></p>				EXCAVATIONS	
LEVEES				PITS	
Single side slope (showing actual feature location)				Borrow pit	
DAMS				Gravel pit	
Medium or small				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	
				Spill area	
				Stony spot	
				Very stony spot	
				Wet spot	
				RECOMMENDED AD HOC SOIL SYMBOLS	
				SYMBOL_ID	SYMBOL_ID
				1	◀
				2	□
				3	□
				4	☒
				5	□
				6	☒
				7	□
				8	☒
				9	■
				10	◊
				11	☒
				12	□
				13	◊
				14	◊
			OBR	15	☒
				16	□
				17	△
				18	◊
				19	☒
				20	☒
				21	■
				22	☒

LABEL	NAME	DESCRIPTION
BLO	Blowout	A small saucer-, cup-, or trough-shaped hollow or depression formed by wind erosion on a preexisting sand deposit. 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 with component phases that are named severely eroded, very severely eroded, or gullied. Typically 0.2 to 2.0 acres.
ESO	Escarpment, other	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 2.0 acres.
GRA	Gravelly spot	A spot where the surface layer has more than 35 percent, by volume, rock fragments that are mostly less than 3 inches in diameter in an area of surrounding soil with less than 15 percent fragments. Typically 0.2 to 2.0 acres.
MAR	Marsh or swamp	A water-saturated, very poorly drained area, intermittently or permanently covered by water. Marsh areas are dominantly vegetated by sedges, cattails, and rushes. Swamps are dominantly vegetated by trees or shrubs. Not used in map units where poorly drained or very poorly drained soils are the named components. Typically 0.2 to 2.0 acres.
MIS	Miscellaneous water	Small, man-made water area that is used for industrial, sanitary, or mining applications and contains water most of the year. Typically 0.2 to 2.0 acres.
MUC	Muck spot	An area with a poorly drained or very poorly drained soil that has a proportional amount of organic carbon between 12 and 18 percent. The spot symbol is used only in a map unit consisting of a mineral soil. Typically 0.5 to 2 acres in size.
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 of 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.
STN	Stony spot	A spot where 0.01 to 0.1 percent of the surface is covered with rock fragments that are greater than 10 inches in diameter in areas where the surrounding soil has no surface stones. Typically 0.2 to 2.0 acres.
WAT	Perennial water	Small, natural or man-made lake, pond, or pit that contains water most of the year. Typically 0.2 to 2.0 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 2.0 acres.

Soil Mapunit Symbol Conversion Legend
Pulaski County, Indiana: Detailed Soil Map Legend

Field symbols	Publi- cation symbol	Field symbols	Publi- cation symbol	Field symbols	Publi- cation symbol
AadAK	AadAK	BcB	BstB	Su	BuzA
Ab	AadAK	BstB	BstB	Ws	BuzA
AatAN	AatAN	ChA	BstB	Wt	BuzA
Ca	AatAN	BcA	BswA	Bd	BwfA
Ed	AatAN	BgA	BswA	Bf	BwfA
Ta	AatAN	BswA	BswA	BwfA	BwfA
AatAU	AatAU			Ho	BwfA
Wl	AatAU	Hp	BswA	ChC	CjfC
AbhAN	AbhAN	OfA	BswA	ChD	CjfC
Ca	AbhAN	OmA	BswA	CjfC	CjfC
Ed	AbhAN	BupB	BupB	ChD	CjfD
Ta	AbhAN	OfB	BupB	CjfD	CjfD
AbhAU	AbhAU	OmB	BupB	CmbAI	CmbAI
Wl	AbhAU	Bn	BuuA	So	CmbAI
ApuAN	ApuAN	Bo	BuuA	Ss	CmbAI
Ca	ApuAN	Br	BuuA	CnzAI	CnzAI
Ed	ApuAN	Bs	BuuA	Em	CnzAI
Ta	ApuAN	BuuA	BuuA	CmA	CpcA
ApuAU	ApuAU	CnA	BuuA	CnA	CpcA
Wl	ApuAU	Em	BuuA	CoA	CpcA
Bd	BrvA	Bn	BuzA	CpcA	CpcA
BrvA	BrvA	Br	BuzA	CoA	CqmA
BcA	BstA	Bs	BuzA	CqmA	CqmA
BgA	BstA	BuzA	BuzA	CrA	CqmA
BstA	BstA	Re	BuzA	CrB2	CqmA
		Rs	BuzA		

Field symbols	Publi- cation symbol	Field symbols	Publi- cation symbol	Field symbols	Publi- cation symbol
Fo	CqmA	EcrAU	EcrAU	Hp	HbzA
BaA	CuyA	Wl	EcrAU	Mla	HbzA
CsA	CuyA	GcwA	GcwA	HnbA	HnbA
CtA	CuyA	Gm	GcwA	Ho	HnbA
CuA	CuyA	GdvA	GdvA	Ca	HtbAN
CuB	CuyA	Gf	GdvA	Ed	HtbAN
CuyA	CuyA	Gm	GdvA	HtbAN	HtbAN
ChA	DbsA	Ma	GdvA	Ta	HtbAN
DbsA	DbsA	Nf	GdvA	HtbAU	HtbAU
FsA	DbsA	Gf	GmnA	Wl	HtbAU
OfA	DbsA	Gm	GmnA	Ca	MfrAN
OhA	DbsA	GmnA	GmnA	Ed	MfrAN
OmA	DbsA	Gv	GmnA	MfrAN	MfrAN
PlA	DbsA	Mf	GmnA	Ta	MfrAN
ChB	DbsB	GrfA	GrfA	MfrAU	MfrAU
DbsB	DbsB	Ma	GrfA	Wl	MfrAU
PlB	DbsB	Md	GrfA	Gm	MgyA
Ca	EchAN	Me	GrfA	Gv	MgyA
EchAN	EchAN	Mf	GrfA	MgyA	MgyA
Ed	EchAN	Nf	GrfA	Wt	MgyA
Ta	EchAN	Gf	GsaA	Ma	MgzA
EchAU	EchAU	GsaA	GsaA	Md	MgzA
Wl	EchAU	Gv	GsaA	MgzA	MgzA
Ca	EcrAN	AyA	HbzA	Ma	MhaA
EcrAN	EcrAN	Bd	HbzA	Md	MhaA
Ed	EcrAN	Bf	HbzA	Me	MhaA
Ta	EcrAN	BgA	HbzA	MhaA	MhaA
		HbzA	HbzA		

Field symbols	Publi- cation symbol	Field symbols	Publi- cation symbol	Field symbols	Publi- cation symbol
Nf	MhaA	AuA	MtpA	PlA	OacA
Wa	MhaA	AyA	MtpA	ChB	OacB
Mf	MhbA	Da	MtpA	OacB	OacB
MhbA	MhbA	Mla	MtpA	OhB	OacB
Da	MhnA	MtpA	MtpA	PlB	OacB
Dc	MhnA	BcA	MupA	ChC	OaeC
Ds	MhnA	Bf	MupA	OaeC	OaeC
Fo	MhnA	BmA	MupA	OhC	OaeC
MhnA	MhnA	Ff	MupA	PlC	OaeC
AdB	MlwB	Mr	MupA	OaeD	OaeD
MlwB	MlwB	MupA	MupA	PlE	OaeD
MlwB	MlwB	Ca	MvhAN	Od	OeaA
MmC2	MmyC2	Ed	MvhAN	Oe	OeaA
MmyC2	MmyC2	MvhAN	MvhAN	OeaA	OeaA
MoC3	MmyC2	Ta	MvhAN	AuA	OecA
MmB	MnzB	MvhAU	MvhAU	AyA	OecA
MmB2	MnzB	Wl	MvhAU	CsA	OecA
MnzB	MnzB	Ca	MwzAN	CtA	OecA
MouA	MouA	Ed	MwzAN	Da	OecA
Mp	MouA	MwzAN	MwzAN	Dc	OecA
MtoA	MtoA	Ta	MwzAN	Ds	OecA
OfA	MtoA	MwzAU	MwzAU	Mk	OecA
OhA	MtoA	Wl	MwzAU	Od	OecA
OmA	MtoA	Nf	NofA	Oe	OecA
MtoB	MtoB	NofA	NofA	OecA	OecA
OfB	MtoB	ChA	OacA	PaB2	OecA
OhB	MtoB	OacA	OacA	PmG	Pmg
OmB	MtoB			Pmg	Pmg

Field symbols	Publi- cation symbol	Field symbols	Publi- cation symbol	Field symbols	Publi- cation symbol
St	Pmg	SgzA	SgzA	C1	UbrA
Pps	Pps	AuA	ShaA	UbrA	UbrA
St	Pps	Bd	ShaA	W	W
Mh	RebA	Bf	ShaA	W	W
Mk	RebA	ChA	ShaA	CrB2	WmgA
RebA	RebA	M1A	ShaA	Ff	WmgA
Re	RevA	ShaA	ShaA	M1B	WmgA
RevA	RevA	SmsAK	SmsAK	OfA	WmgA
Rs	RevA	Ss	SmsAK	OmA	WmgA
Wh	RevA	Sn1A	Sn1A	WmgA	WmgA
Ws	RevA	Wh	Sn1A	Gf	WmiA
Wt	RevA	BaA	SwiA	Gm	WmiA
Re	ReyA	CeA	SwiA	Ma	WmiA
ReyA	ReyA	CoA	SwiA	Md	WmiA
Rs	ReyA	CsA	SwiA	Me	WmiA
MmA	RhcA	CtA	SwiA	Mf	WmiA
MnA	RhcA	SeB	SwiA	Nf	WmiA
RhcA	RhcA	Su	SwiA	WmiA	WmiA
ScuA	ScuA	SwiA	SwiA	CbB2	WoeB
Ws	ScuA	Hp	SwxA	CeB2	WoeB
Wt	ScuA	SwxA	SwxA	CrB2	WoeB
ADB	SdzCB	Ca	TmaAN	MmB	WoeB
BcB	SdzCB	Ed	TmaAN	MoC3	WoeB
BmA	SdzCB	Ta	TmaAN	WoeB	WoeB
M1B	SdzCB	TmaAN	TmaAN	CbA	WogA
SdzCB	SdzCB	TmaAU	TmaAU	CeA	WogA
AuA	SgzA	Wl	TmaAU	MmA	WogA
				WogA	WogA

Field symbols	Publication	Field symbols	Publication	Field symbols	Publication
	symbol		symbol		symbol
OfA	WoxA	WoxB	WoxB	OfA	WpbA
OmA	WoxA	BgA	WpaA	OmA	WpbA
WoxA	WoxA	BmA	WpaA	WpbA	WpbA
OfB	WoxB	WpaA	WpaA	OfB	WpbB
OmB	WoxB	Ff	WpbA	OmB	WpbB
				WpbB	WpbB
				Wa	WrxA
				WrxA	WrxA

**CONVERSION LEGEND FOR
PULASKI COUNTY, INDIANA**

Bedrock Plain	
Field Symbol	Publication Symbol
Fo	CqmA
Gf	GdvA
Gm	GdvA
Hp	SwxA
Ma	GdvA
Mk	OecA
MIA	ShaA
MIB	Sdzcb
Mr	MupA
Nf	GdvA
Od	OecA
Oe	OecA
OfA	WpbA
OfB	WpbB
OmA	WpbA
OmB	WpbB
PaB2	OecA
PIB	DbsB
PIC	OaeC
Re	BuzA
Rs	BuzA
St	Pps
Su	BuzA
Ta	AbhAN
Ws	BuzA
Wt	BuzA

Bedrock Plain	
Field Symbol	Publication Symbol
AdB	Sdzcb
AuA	OecA
AyA	OecA
BcA	MupA
BcB	BstB
Bd	ShaA
Bf	ShaA
BgA	BstA
BmA	ShaA
Bn	BuzA
Br	BuzA
Bs	BuzA
Ca	BuzA
CeA	WogA
ChA	ShaA
ChB	DbsB
ChC	OaeC
CoA	CqmA
CrA	CqmA
CrB2	CqmA
CsA	OecA
CtA	OecA
Da	OecA
Dc	OecA
Ds	OecA
Ff	WpbA

Lacustrine Plain	
Field Symbol	Publication Symbol
AdB	Sdzcb
AuA	ShaA
AyA	HbzA
BaA	SwiA
BcA	BstA
BcB	BstB
Bd	HbzA
Bf	HbzA
BgA	HbzA
Bn	BuuA
Br	BuuA
Ca	AbhAN
	EcrAN
	HtbAN
	HtbAU
	MvhAN
	MwzAN
	MwzAU
	TmaAN
	TmaAU
CbA	WogA
CbB2	WoeB
CeA	SwiA
CeB2	WoeB
ChA	BstB
ChB	DbsB

Lacustrine Plain	
Field Symbol	Publication Symbol
ChC	OaeC
Cl	UbrA
CnA	BuuA
CoA	SwiA
CrB2	WmgA
CsA	SwiA
CtA	SwiA
Da	MhnA
Dc	MhnA
Ds	MhnA
Ed	EchAN
	EchAU
	EcrAN
	EcrAU
Em	BuuA
Ff	WmgA
Fo	MhnA
Gf	WmiA
Gm	WmiA
Hp	HbzA
Ma	WmiA
Md	WmiA
Me	WmiA
Mf	WmiA
Mh	RebA
Mk	RebA

See the "Landform Boundary Map".

Lacustrine Plain	
Field Symbol	Publication Symbol
MIA	HbzA
MB	WmgA
MmA	WogA
MmB	WoeB
MoC3	WoeB
Mp	MouA
Mr	MupA
Nf	WmiA
Od	OeaA
Oe	OeaA
OfA	WmgA
OfB	BupB
OmA	WmgA
OmB	BupB
PIA	DbsA
PIB	DbsB
PIC	OaeC
PIE	OaeD
Re	RevA
Rs	RevA
SeB	SwiA
Ss	SmsAK
Su	SwiA
Ta	AbhAN
	AbhAU
	EcrAN
	MwzAN
Wa	WrxA
Wh	RevA
Ws	RevA
Wt	RevA

Outwash Plain	
Field Symbol	Publication Symbol
AuA	MtpA
BcA	BswA
BcB	BstB
Bd	BrvA
Bf	MupA
BgA	BswA
BmA	MupA
Bn	BuuA
Br	BuuA
Ca	AatAN
	AatAU
	AbhAN
	AbhAU
	ApuAN
	ApuAU
	EchAN
	EchAU
	EcrAN
	EcrAU
CeA	WogA
ChA	DbsA
ChB	OacB
ChC	CjfC
ChD	CjfC
CsA	CuyA
Ed	AatAN
	AatAU
	AbhAN
	AbhAU
	ApuAN

Outwash Plain	
Field Symbol	Publication Symbol
Ed	ApuAU
	EchAN
	EchAU
	EcrAN
	EcrAU
	HtbAN
	HtbAU
	MfrAN
	MfrAU
	MwzAN
	MwzAU
	MvhAN
	MvhAU
	TmaAN
	TmaAU
Ff	MupA
Gf	MgyA
Gm	MgyA
Gv	MgyA
Hp	BswA
Ma	MhaA
Md	MhaA
Me	MhaA
Mf	MhbA
MIA	MtpA
MB	MlwB
MmA	WogA
Mr	MupA
Nf	NofA
	MhaA
Od	OeaA
OfA	BswA
	WoxA
OfB	WoxB
OhA	DbsA
OhB	OacB
OmA	BswA
	WoxA
OmB	WoxB
PIA	DbsA

Outwash Plain	
Field Symbol	Publication Symbol
PIB	OacB
PIC	OaeC
PIE	OaeD
Re	ReyA
Rs	ReyA
Ta	AatAN
	AatAU
	AbhAN
	AbhAU
	ApuAN
	ApuAU
	EchAN
	EchAU
	Wa
	MhaA
Wt	MgyA

Tippy Outwash Plain

Field Symbol	Publication Symbol
BcA	BstA
BcB	BstB
Bd	BrvA
Bf	MupA
BgA	BswA
Ca	AatAN
	AatAU
	AbhAN
	AbhAU
	ApuAN
	ApuAU
	EchAN
	EchAU
	EcrAN
	EcrAU
	HtbAN
	HtbAU
	MfrAN
	MfrAU
	MwzAN
Ch	MwzAU
	MvhAN
	MvhAU
	TmaAN
	TmaAU
	OacA
	OacB
	CjfC
	CjfD
	AatAN
	AatAU
	AbhAN
	AbhAU
	ApuAN
	ApuAU
Ed	EchAN
	EchAU
	EcrAN
	EcrAU
	HtbAN

Tippy Outwash Plain

Field Symbol	Publication Symbol
Ed	HtbAU
	MfrAN
	MfrAU
	MwzAN
	MwzAU
	MvhAN
	TmaAN
	TmaAU
FsA	DbsA
Gf	GsaA
Gm	GcwA
Gv	GsaA
Ho	HnbA
Ma	GrfA
Md	GrfA
Mf	GrfA
Mr	MupA
Nf	NofA
	GrfA
OfA	DbsA
OhA	DbsA
OhB	OacB
OhC	OaeC
OmA	DbsA
OmB	OacB
PIA	OacA
PIB	OacB
PIC	OaeC
PIE	OaeD
Re	ReyA
Ta	AatAN
	AatAU
	AbhAN
	AbhAU
	ApuAN
	ApuAU
	EchAN
	EchAU
	EcrAN
	EcrAU

Tippy Outwash Plain

Field Symbol	Publication Symbol
Ta	EcrAU
	HtbAN
	HtbAU
	MfrAN
	MfrAU
	MwzAN
	MwzAU
	MvhAN
	MvhAU
	TmaAN
	TmaAU
Ws	ScuA
Wt	ScuA

Till Plain

Field Symbol	Publication Symbol
Ab	AadAK
AdB	MlwB
AuA	SgzA
AyA	MtpA
BaA	CuyA
BcA	BswA
BcB	SdzcB
Bd	BwfA
Bf	BwfA
BgA	WpaA
BmA	WpaA
Bn	BuuA
Bo	BuuA
Br	BuuA
Bs	BuuA
Ca	AatAN
	AatAU
	AbhAN
	AbhAU
	ApuAN
	ApuAU
	EchAN
	EchAU
	EcrAN
	EcrAU
	HtbAN
	HtbAU
	MfrAN
	MfrAU
	MwzAN
Cb	MwzAU
	MvhAN
	MvhAU
	TmaAN
	TmaAU
	CbA
	WogA
	CbB2
	WoeB
	CeA
Ce	WogA
	CeB2
	WoeB
	ChA
	DbsA

Till Plain	
Field Symbol	Publication Symbol
ChB	OacB
ChC	CjfC
ChD	CjfD
CmA	CpcA
CnA	CpcA
CoA	CqmA
CrA	CqmA
CrB2	WobB
CsA	CuyA
CtA	CuyA
CuA	CuyA
CuB	CuyA
Da	MtpA
Ed	AatAN
	AatAU
	AbhAN
	AbhAU
	ApuAN
	ApuAU
	EchAN
	EchAU
	EcrAN
	EcrAU
	HtbAN
	HtbAU
	MfrAN
	MfrAU
	MwzAN
	MwzAU
	MvhAN
	MvhAU
	TmaAN
	TmaAU
Em	CnzAI
Ff	WpbA
FsA	MtoA
	MtpA
	RhcA
Gf	GmnA
Gm	GmnA

Till Plain	
Field Symbol	Publication Symbol
Gv	GmnA
Ho	BwfA
Ma	Mgza
Md	Mgza
Me	GrfA
Mf	GmnA
MIA	MtpA
MIB	MlwB
MmA	RhcA
MmB	MnzB
MmB2	MnzB
MmC2	MmyC2
MnA	RhcA
MoC3	MmyC2
Mr	MupA
Nf	GrfA
Od	OeaA
Oe	OeaA
OfA	MtoA
OfB	MtoB
OhA	MtoA
OhB	MtoB
OhC	OaeC
OmA	MtoA
OmB	MtoB
PlA	DbsA
PlB	OacB
PlC	OaeC
PlE	OaeD
Re	ReyA
Rs	ReyA
So	CmbAI
Ss	CmbAI
St	Pmg
Ta	AatAN
	AatAU
	AbhAN
	AbhAU
	ApuAN
	ApuAU

Till Plain	
Field Symbol	Publication Symbol
Ta	EchAN
	EchAU
	EcrAN
	EcrAU
	HtbAN
	HtbAU
	MfrAN
	MfrAU
	MwzAN
	MwzAU
	MvhAN
	MvhAU
	TmaAN
	TmaAU
Wa	WrxAN
Wh	SnlA
Ws	ScuA
Wt	ScuA

MLRA 98 and 111
PULASKI COUNTY SUBSET
ALPHABETICAL IDENTIFICATION LEGEND

Publication Symbol	Map unit name	DMU ID
AadAK	Abscota fine sandy loam, 0 to 2 percent slopes, occasionally flooded, brief duration	43,278
AatAN	Ackerman muck, drained, 0 to 1 percent slopes	44,705
AatAU	Ackerman muck, undrained, 0 to 1 percent slopes	44,706
AbhAN	Adrian muck, drained, 0 to 1 percent slopes	45,654
AbhAU	Adrian muck, undrained, 0 to 1 percent slopes	45,655
ApuAN	Antung muck, drained, 0 to 1 percent slopes	43,290
ApuAU	Antung muck, undrained, 0 to 1 percent slopes	43,291
BrvA	Brady fine sandy loam, 0 to 1 percent slopes	43,284
BstA	Brems loamy fine sand, 0 to 1 percent slopes	43,285
BstB	Brems loamy fine sand, 1 to 4 percent slopes	43,286
BswA	Brems-Morocco loamy fine sands, 0 to 1 percent slopes	45,633
BupB	Bronson fine sandy loam, 1 to 4 percent slopes	43,288
BuuA	Brookston loam, 0 to 1 percent slopes	45,653
BuzA	Brookston-Navunon loams, 0 to 1 percent slopes	44,708
BwfA	Budd-Brady fine sandy loams, 0 to 1 percent slopes	44,709
CjfC	Chelsea fine sand, 5 to 12 percent slopes	44,712
CjfD	Chelsea fine sand, 12 to 18 percent slopes	44,713
CmbAI	Cohoctah loam, 0 to 1 percent slopes, frequently flooded, brief duration	44,714
CnzAI	Cohoctah-Abscota complex, 0 to 1 percent slopes, frequently flooded, brief duration	45,632
CpcA	Conover loam, 0 to 1 percent slopes	45,596
CqmA	Corwin fine sandy loam, 0 to 1 percent slopes	45,597
CuyA	Crosier fine sandy loam, 0 to 1 percent slopes	45,598
DbsA	Denham fine sand, 0 to 1 percent slopes	44,719
DbsB	Denham fine sand, 1 to 5 percent slopes	44,718
EchAN	Edwards muck, drained, 0 to 1 percent slopes	45,599
EchAU	Edwards muck, undrained, 0 to 1 percent slopes	45,600
EcrAN	Edselton muck, drained, 0 to 1 percent slopes	43,294
EcrAU	Edselton muck, undrained, 0 to 1 percent slopes	43,295
GcwA	Gilford fine sandy loam, 0 to 1 percent slopes	45,605
GdvA	Gilford-Monon fine sandy loams, 0 to 1 percent slopes	43,280
GmnA	Goodell-Gilford fine sandy loams, 0 to 1 percent slopes	45,634
GrfA	Granby loamy fine sand, 0 to 1 percent slopes	45,610
GsaA	Granby-Gilford complex, 0 to 1 percent slopes	45,635
HbzA	Headlee-Brady fine sandy loams, 0 to 1 percent slopes	45,636
HnbA	Homer sandy loam, 0 to 1 percent slopes	45,611
HtbAN	Houghton muck, drained, 0 to 1 percent slopes	45,638
HtbAU	Houghton muck, undrained, 0 to 1 percent slopes	45,639
MfrAN	Madaus muck, drained, 0 to 1 percent slopes	45,641
MfrAU	Madaus muck, undrained, 0 to 1 percent slopes	45,640
MgyA	Maumee-Gilford complex, 0 to 1 percent slopes	45,642

Publication Symbol	Map unit name	DMU ID
MgzA	Maumee-Gumz complex, 0 to 1 percent slopes	45,643
MhaA	Maumee loamy fine sand, 0 to 1 percent slopes	45,606
MhbA	Maumee mucky loamy fine sand, 0 to 1 percent slopes	45,607
MhnA	Medaryville fine sandy loam, 0 to 1 percent slopes	45,644
MlwB	Metea-Moon loamy sands, 1 to 5 percent slopes	45,645
MmyC2	Miami fine sandy loam, 5 to 10 percent slopes, moderately eroded	45,608
MnzB	Miami-Williamstown fine sandy loams, 2 to 5 percent slopes	45,668
MouA	Milford silty clay loam, 0 to 1 percent slopes	45,637
MtoA	Moon-Ormas loamy sands, 0 to 1 percent slopes	45,646
MtoB	Moon-Ormas loamy sands, 1 to 5 percent slopes	45,647
MtpA	Moon-Selfridge complex, 0 to 1 percent slopes	45,648
MupA	Morocco loamy fine sand, 0 to 1 percent slopes	44,707
MvhAN	Moston muck, drained, 0 to 1 percent slopes	44,710
MvhAU	Moston muck, undrained, 0 to 1 percent slopes	44,711
MwzAN	Muskego muck, drained, 0 to 1 percent slopes	45,649
MwzAU	Muskego muck, undrained, 0 to 1 percent slopes	45,650
NofA	Newton-Morocco loamy fine sands, 0 to 1 percent slopes	45,651
OacA	Oakville-Denham fine sands, 0 to 1 percent slopes	45,627
OacB	Oakville-Denham fine sands, 1 to 5 percent slopes	45,628
OaeC	Oakville fine sand, 5 to 12 percent slopes	45,625
OaeD	Oakville fine sand, 12 to 18 percent slopes	45,626
OeaA	Odell fine sandy loam, 0 to 1 percent slopes	45,612
OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes	45,613
Pmg	Pits, Gravel	45,652
Pps	Pits, Quarries, Limestone	43,289
RebA	Radioville-Mermill loams, 0 to 1 percent slopes	45,615
RevA	Rensselaer-Radioville loams, 0 to 1 percent slopes	45,614
ReyA	Rensselaer loam, 0 to 1 percent slopes	45,657
RhcA	Riddles fine sandy loam, 0 to 2 percent slopes	45,616
ScuA	Sebewa loam, 0 to 1 percent slopes	45,658
Sdzcb	Selfridge-Brems loamy fine sands, 1 to 4 percent slopes	45,659
SgzA	Selfridge loamy fine sand, 0 to 1 percent slopes	45,662
ShaA	Selfridge-Morocco loamy fine sands, 0 to 1 percent slopes	45,663
SmsAK	Sloan silt loam, 0 to 1 percent slopes, occasionally flooded, brief duration	45,617
SnIA	Southwest silt loam, 0 to 1 percent slopes	45,660
SwiA	Strole silt loam, 0 to 1 percent slopes	45,618
SwxA	Sumava fine sandy loam, 0 to 1 percent slopes	45,693
TmaAN	Toto muck, drained, 0 to 1 percent slopes	45,619
TmaAU	Toto muck, undrained, 0 to 1 percent slopes	45,620
UbrA	Udorthents, Clayey, 0 to 1 percent slopes	45,621
W	Water	45,656
WmgA	Whiskerville-Bronson fine sandy loams, 0 to 1 percent slopes	45,624
WmiA	Whitepost-Gilford fine sandy loams, 0 to 1 percent slopes	45,664
WoeB	Williamstown-Crosier fine sandy loams, 1 to 5 percent slopes	45,667
WogA	Williamstown fine sandy loam, 0 to 2 percent slopes	45,666
WoxA	Williamstown-Winamac fine sandy loams, 0 to 1 percent slopes	45,630

Publication Symbol	Map unit name	DMU ID
WoxB	Williamstown-Winamac fine sandy loams, 1 to 5 percent slopes	45,629
WpaA	Winamac-Bronson fine sandy loams, 0 to 1 percent slopes	45,665
WpbA	Winamac fine sandy loam, 0 to 1 percent slopes	45,622
WpbB	Winamac fine sandy loam, 1 to 5 percent slopes	45,623
WrxAN	Wunabuna silt loam, drained, 0 to 1 percent slopes	45,661

**CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY
ANALYSIS FOR PULASKI COUNTY SUBSET**

Sampled As	Lab Number	Approved name	County	State	OSD	MLRA
Ackerman	S74IN-181-001	Ackerman	White	IN	Yes	98
Antung	S99IN-131-003	Antung	Pulaski	IN	Yes	98
Brems	S90IN-039-004	Brems	Elkhart	IN	Yes	111
Brookston	S93IN-039-007	Brookston	Elkhart	IN	Yes	111
Brady, till substratum	S98IN-131-014	Budd	Pulaski	IN	Yes	111
Chelsea	S71IN-091-002	Chelsea	White	IN	Yes	98
Corwin	S80IN-007-011	Corwin	Benton	IN	Yes	111
Crosier	S70IN-071-005	Crosier	St. Joseph	IN	Yes	111
Plainfield, wet substratum	S98IN-131-001	Denham	Pulaski	IN	Yes	111
Edsel	S99IN-131-002	Edselton	Pulaski	IN	Yes	111
Edwards	S99MI-075-001	Edwards	Jackson	MI	Yes	98
Odell, limestone substratum	S98IN-131-008	Francesville	Pulaski	IN	Yes	111
Gilford till substratum	S98IN-131-001	Goodell	Pulaski	IN	Yes	111
Gumz	S99IN-131-004	Gumz	Pulaski	IN	Yes	111
Haskins, lacustrine substratum	S98IN-131-009	Headlee	Pulaski	IN	Yes	111
Homer	FU8013	Homer	Fulton	IN	Yes	98
Martisco	S94IN-039-014	Madaus	Elkhart	IN	Yes	111
Maumee	PR7612	Maumee	Porter	IN	Yes	98
Darroch, lacustrine substratum	S98IN-131-011	Medaryville	Pulaski	IN	Yes	111
Milford	18495-18501	Milford	Iroquois	IL	Yes	110
Gilford, limestone substratum	S77IN-181-007	Monon	White	IN	Yes	98
Metea, wet substratum	S98IN-131-012	Moon	Pulaski	IN	Yes	111
Morocco	S78IN-073-001	Morocco	Jasper	IN	Yes	98
Mosley	S99IN-131-001	Moston	Pulaski	IN	Yes	111
Muskego	S94IN-039-012	Muskego	Elkhart	IN	No	111
Brookston, limestone substratum	S98IN-131-003	Navunon	Pulaski	IN	Yes	111
Newton	JR8017	Newton	Jasper	IN	Yes	98
Plainfield	S95IN-073-007	Oakville	Jasper	IN	Yes	98
Odell	S99IN-007-001	Odell	Benton	IN	Yes	111
Ormas	WB7808	Ormas	Wabash	IN	Yes	98
Rensselaer, lacustrine substratum	S98IN-131-010	Radioville	Pulaski	IN	Yes	111
Riddles	S94IN-039-022	Riddles	Elkhart	IN	Yes	111
Southwest	S94IN-039-024	Southwest	Elkhart	IN	Yes	111
Strole	S73IN-056-001	Strole	Newton	IN	Yes	111
Sumava	S85IN-111-013	Sumava	Newton	IN	Yes	111
Bronson, Lacustrine substratum	S98IN-131-005	Whiskerville	Pulaski	IN	Yes	111
Gilford, lacustrine substratum	S98IN-131-002	Whitepost	Pulaski	IN	Yes	111
Williamstown	S93IN-039-001	Williamstown	Elkhart	IN	No	111
Bronson, loamy substratum	S98IN-131-006	Winamac	Pulaski	IN	Yes	111
Wallkill	S94IN-039-008	Wunabuna	Elkhart	IN	Yes	111

OSD = TYPE LOCATION OF THE OSDs

**Notes to accompany the
Classification and Correlation
Of the Soils of
Pulaski County, Indiana**

Prepared by Shane L. McBurnett and Rex A. Brock, and reviewed by Charles Love

See attachment #2 for additional notes on these series.

ABSCOTA SERIES:

The typical pedon is from Kent County, Michigan (OSD). This series was correlated in the 1968 soil survey. The Headwaters MLRA Soil Survey Project staff attempted to transect the type location, it was determined that a new location is needed. The existing type location has been destroyed by urbanization.

ACKERMAN SERIES:

The typical pedon is from White County, Indiana (OSD) and represents MLRA 111. Ackerman replaced several series when the organic soils were remapped. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

ADRIAN SERIES:

The typical pedon is from Gratiot County, Michigan (OSD). This series replaces those soils 1968 correlated as the Tawas series. The Tawas series has since been reclassified as Terric Haplosaprists and are considered to be in the frigid temperature regime. Adrian replaced several series when the organic soils were remapped. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Lab data should be acquired for this OSD type location.

ANTUNG SERIES:

The Antung series is established by this correlation for soils formerly mapped Adrian with sandy material within 16 inches of the surface. The typical pedon is from Pulaski County, Indiana (OSD) and represents MLRA 111. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Antung replaced several series when the organic soils were remapped.

BRADY SERIES:

The typical pedon is from Eaton County, Michigan (OSD). This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Lab data should be acquired for this OSD type location.

BREMS SERIES:

The typical pedon is from Elkhart County, Indiana (OSD). This series replaces the Berrien series that was placed on the inactive list in the late 1960's. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

BRONSON SERIES:

The typical pedon is from Van Buren County, Michigan (OSD). This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Lab data should be acquired for this OSD type location.

BROOKSTON SERIES:

The typical pedon is from Elkhart County, (OSD). This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

**Notes to accompany the
Classification and Correlation
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BUDD SERIES:

The Budd series is established by this correlation for Brady with Loamy till within the series control section. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 111. It is mapped in a complex with Brady on the till plain. This series will be mapped in the joining White and Fulton Counties when their soil surveys are updated. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

CHELSEA SERIES:

The typical pedon is the representative taxonomic unit from White County, Indiana. This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

COHOCTAH SERIES:

The typical pedon is from Ottawa County, Michigan (OSD). This series was added to the Pulaski County legend, mapped on flood plains. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Lab data should be acquired for this OSD type location.

CONOVER SERIES:

The typical pedon is from Washtenaw County, Michigan (OSD). This series was correlated in the 1968 soil survey. The Headwaters MLRA Soil Survey Project staff attempted to transect the type location, however, access was denied. A new type location may be needed to insure access is gained and so that lab data may be acquired.

CORWIN SERIES:

The typical pedon is from Benton County, Indiana (OSD). This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

CROSIER SERIES:

The typical pedon is from St. Joseph County, Indiana (OSD) and represents MLRA 111. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Crosier series replaces those soils previously correlated as Crosby.

DENHAM SERIES:

The Denham series is established by this correlation for Oakville with a wet substratum and classified in the Oxyaquic subgroup. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 98 and 111. This series will be mapped in the joining Counties when their soil surveys are updated. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

EDSELTON SERIES:

The Edselton series is established by this correlation for Edwards with sandy materials within the series control section. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 98 and 111. This series will be mapped in the joining Counties when their soil surveys are updated. Edselton replaced several series when the organic soils were remapped. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

**Notes to accompany the
Classification and Correlation
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EDWARDS SERIES:

The typical pedon was moved from Washtenaw County, Michigan to Jackson County, Michigan (OSD). This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Edwards replaced several series when the organic soils were remapped.

FRANCESVILLE SERIES:

The Francesville series is established by this correlation for Odell soils with limestone bedrock within the series control section. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 111. It is mapped in a complex with Odell in the southwest part of Pulaski County. This series will be mapped in the joining White and Jasper Counties when their soil surveys are updated. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

GILFORD SERIES:

The typical pedon is from St. Joseph County, Indiana (OSD) and represents MLRA 98. This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Lab data should be acquired for this OSD type location.

GOODELL SERIES:

The Goodell series is established by this correlation for Gilford with Loamy till within the series control section. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 111. It is mapped in a complex with Gilford on the till plain. This series will be mapped in the joining White and Fulton Counties when their soil surveys are updated. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

GRANBY SERIES:

The typical pedon is from Ottawa County, Michigan (OSD) and represents MLRA 98. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Lab data should be acquired for this OSD type location.

GUMZ SERIES:

The Gumz series is established by this correlation for Granby with Loamy till within the series control section. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 111. It is mapped in a complex with Maumee on the till plain. This series will be mapped in the joining White and Fulton Counties when their soil surveys are updated. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

HEADLEE SERIES:

The Headlee series is established by this correlation for Haskins with lacustrine materials within the particle size control section. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 111. It is mapped in a complex with Brady on the lake plain. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

**Notes to accompany the
Classification and Correlation
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HOMER SERIES:

The typical pedon was moved from Noble County, Indiana to Fulton County, Indiana (OSD) and represents MLRA 111. This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

HOUGHTON SERIES:

The typical pedon is from Clinton County, Michigan (OSD). Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Houghton replaces those soils previously correlated as Carlisle. The Carlisle series is dominated by woody vegetation, not found in Pulaski County. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Lab data should be acquired for this OSD type location.

MADAUS SERIES:

The Madaus series is established by this correlation for soils formerly mapped Martisco with sandy material within the series control section. The typical pedon is from Elkhart County, Indiana (OSD). The map units will be renamed in Elkhart County. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Madaus replaced several series when the organic soils were remapped.

MAUMEE SERIES:

The typical pedon is from Porter County, Indiana (OSD) and represents MLRA 98. This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

MEDARYVILLE SERIES:

The Medaryville series is established by this correlation for soils with loamy and sandy materials overlying lacustrine materials within the particle size control section. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 111. It is mapped on the lake plain. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

ERMILL SERIES:

The typical pedon is from Hancock County, Ohio (OSD) and represents MLRA 111. These soils were formed in 20 to 40 inches of loamy water sorted sediments over silty or clayey lacustrine sediments. Mermill was updated in 1998 and lacustrine sediments were excluded from the range of characteristics. A new series will be established to address these soils during modernization projects in MLRA 99. This series was correlated in the 1968 soil survey.

METEA SERIES:

The typical pedon is from Marshall County, Indiana (OSD) and represents MLRA 111. This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Lab data should be acquired for this OSD type location.

MIAMI SERIES:

The typical pedon is from Hendricks County, Indiana (OSD) and represents MLRA 111. This series was correlated in the 1968 soil survey. Lab data should be acquired for this OSD type location.

**Notes to accompany the
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MILFORD SERIES:

The typical pedon is from Iroquois County, Illinois (OSD). The depth to carbonates and the base of the cambic horizon is on the shallow side of what is typical for the series. Milford replaces those soils previously correlated as Montgomery.

MONON SERIES:

The Monon series is established by this correlation for Gilford soils with limestone bedrock within the series control section. The typical pedon is located in White County, Indiana (OSD) and represents MLRA 111. It is mapped in a complex with Gilford in the southwest part of Pulaski County. This series was mapped as Gilford, limestone substratum in the adjoining White County soil survey and will be correlated as Monon when that soil survey is updated. This series also will likely be correlated in the adjoining Jasper County when that soil survey is updated. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

MOON SERIES:

The Moon series is established by this correlation for Metea soils that are in the oxyaeric subgroup. If there was an oxyaeric arenic Hapludalf, it would classify as such. It is recommended that when Soil Taxonomy is amended that this class be added. As Soil Taxonomy is now this soil classifies as fine-loamy, mixed, active, mesic Oxyaeric Hapludalfs. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 111. It is mapped in a complex with Ormas, Selfridge, and Metea on the till plain. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Moon in a complex with Ormas replaces those soils previously correlated as Oshtemo.

MOROCCO SERIES:

The typical pedon is from Jasper County, Indiana (OSD) and represents MLRA 98. This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

MOSTON SERIES:

The Moston series is established by this correlation for Muskego with sandy materials within the series control section. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 98 and 111. This series will be mapped in the joining Counties when their soil surveys are updated. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Moston replaced several series when the organic soils were remapped.

MUSKEGO SERIES:

The typical pedon is from Elkhart County and represents MLRA 111. This pedon (S94IN039-012) was described and sampled during the Elkhart County soil survey update. The lab data is available at the National Soil Survey Laboratory. The OSD is located outside MLRA 111. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Muskego replaced several series when the organic soils were remapped.

**Notes to accompany the
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NAVUNON SERIES:

The Navunon series is established by this correlation for Brookston with limestone bedrock within the series control section. The typical pedon is from Pulaski County, (OSD) and represents MLRA 111. It is mapped in a complex with Brookston in the southwest part of Pulaski County. This series will be mapped in the joining White and Jasper Counties when their soil surveys are updated. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

NEWTON SERIES:

The typical pedon was moved from Pulaski County, Indiana to Jasper County, Indiana (OSD) and represents MLRA 98. This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

OAKVILLE SERIES:

The typical pedon is from Jasper County, Indiana (OSD) and represents MLRA 98 and 111. This type location is part of the "Wet Soils Monitoring Project", conducted by Purdue University and USDA-NRCS. Oakville replaces the soils previously correlated as Plainfield. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

ODELL SERIES:

The typical pedon was moved from Warren County, Indiana to Benton County, Indiana (OSD) and represents MLRA 111. The clay content of the particle size control section averages in the lower range for the series (18 to 30 percent). This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

ORMAS SERIES:

The typical pedon was moved from Miami County, Indiana to Wabash County, Indiana (OSD) and represents MLRA 111. Ormas soils are mapped in a complex with Moon soils. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Ormas replaces those soils previously correlated as Oshtemo.

RADIOVILLE SERIES:

The Radioville series is established by this correlation for Rensselaer soils with lacustrine materials within the series control section. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 111. It is mapped in a complex with Rensselaer and Mermill on lake plains in the west part of Pulaski County. This series will be mapped in the joining Jasper County when it's soil survey is updated. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

RENSSELAER SERIES:

The typical pedon is from Marshall County, Indiana (OSD) and represents MLRA 111. This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Glacial till was found at this type location, a new type location should be determined. Lab data should be acquired for the OSD type location.

**Notes to accompany the
Classification and Correlation
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RIDDLES SERIES:

The typical pedon is from Elkhart County, Indiana (OSD) and represents MLRA 111. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. A Riddles study was conducted during the Elkhart County Subset Update where 15 Riddles locations were sampled. This data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Riddles replaces some of those soils previously correlated as Miami.

SEBEWA SERIES:

The typical pedon is from Eaton County, Michigan (OSD). Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Glacial till was found around this type location, a new type location should be located. Lab data should be acquired for the OSD type location. Sebewa replaces those soils previously correlated as Westland.

SELFRIIDGE SERIES:

The typical pedon is from Monroe County, Michigan (OSD) and represents MLRA 99 and 111. The Selfridge in Pulaski County differs from the typical pedon in having predominantly loam till in the 2C horizon, however, the loam glacial till is still within the series range. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Lab data should be acquired for this OSD type location.

SLOAN SERIES:

The typical pedon is from Mercer County, Ohio (OSD) and represents MLRA 111. These soils are of minor extent along the Big Monon but will extend into White County when that soil survey is updated. This series was correlated in the 1968 soil survey. Lab data should be acquired for the OSD type location.

SOUTHWEST SERIES:

The typical pedon is from Elkhart County, Indiana (OSD) and represents MLRA 111. Southwest replaces those soils previously correlated as Washtenaw. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

STROLE SERIES:

The typical pedon is from Newton County, Indiana (OSD) and represents MLRA 111. This series was correlated in the 1968 soil survey. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

SUMAVA SERIES:

The typical pedon is from Newton County, Indiana (OSD) and represents MLRA 111. Sumava replaces those soils previously correlated as Hoopeston. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

TOTO SERIES:

The typical pedon is from Starke County, Indiana (OSD) and represents MLRA 98. Toto replaced several series when the organic soils were remapped. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Lab data should be acquired for this OSD type location.

**Notes to accompany the
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WHISKERVILLE SERIES:

The Whiskerville series is established by this correlation for Bronson with lacustrine sediments within the series control section. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 98. It is mapped in a complex with Bronson on lake plains in the west part of Pulaski County. This series will be mapped in the joining Jasper County when it's soil survey is updated. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

WHITEPOST SERIES:

The Whitepost series is established by this correlation for Gilford with lacustrine sediments within the series control section. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 98. It is mapped in a complex with Gilford on lake plains in the west part of Pulaski County. This series will be mapped in the joining Jasper County when it's soil survey is updated. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

WILLIAMSTOWN SERIES:

The typical pedon is from Elkhart County, Indiana and represents the northern part of MLRA 111. This pedon (S93IN039-001) was described and sampled during the Elkhart County soil survey update. The Elkhart County pedon better represents the Williamstown in northern Indiana. The OSD type location, not used, is in Decatur County, Indiana. The lab data is available at the National Soil Survey Laboratory. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Williamstown replaces those soils previously correlated as Celina.

WINAMAC SERIES:

The Winamac series is established by this correlation for Bronson with a mollic surface and loamy till material within the series control section. The typical pedon is located in Pulaski County, Indiana (OSD) and represents MLRA 111. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana.

WUNABUNA SERIES:

The typical pedon is from Elkhart County, Indiana (OSD) and represents MLRA 111. Transect data is on file in the Headwaters MLRA Project Office in Plymouth, Indiana. Wunabuna replaces those soils previously correlated as Wallkill.

**CLASSIFICATION OF THE SOILS
OF
PULASKI COUNTY, INDIANA**

Series Name	Family or higher taxonomic class
Abscota	Mixed, mesic Oxyaeric Udipsamments
Ackerman	Sandy, mixed, mesic Histic Humaquepts
Adrian	Sandy or sandy-skeletal, mixed, euic, mesic Terric Haplosaprists
Antung	Sandy, mixed, mesic Histic Humaquepts
Brady	Coarse-loamy, mixed, active, mesic Aquollie Hapludalfs
Brems	Mixed, mesic Aquic Udipsamments
Bronson	Coarse-loamy, mixed, active, mesic Aquic Hapludalfs
Brookston	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Budd	Coarse-loamy, mixed, active, mesic Aquollie Hapludalfs
Chelsea	Mixed, mesic Lamellic Udipsamments
Cohoctah	Coarse-loamy, mixed, active, mesic Fluvaquentic Endoaquolls
Conover	Fine-loamy, mixed, active, mesic Uadollic Endoaqualfs
Corwin	Fine-loamy, mixed, active, mesic Oxyaeric Argiudolls
Crosier	Fine-loamy, mixed, active, mesic Aeris Epiqualfs
Denham	Mixed, mesic Oxyaeric Udipsamments
Edselton	Marly, euic, mesic Limnic Haplosaprists
Edwards	Marly, euic, mesic Limnic Haplosaprists
Francesville	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Gilford	Coarse-loamy, mixed, superactive, mesic Typic Endoaquolls
Goodell	Coarse-loamy, mixed, superactive, mesic Typic Endoaquolls
Granby	Sandy, mixed, mesic Typic Endoaquolls
Gumz	Sandy, mixed, mesic Typic Endoaquolls
Headlee	Fine-loamy, mixed, active, mesic Uadollic Epiqualfs
Homer	Fine-loamy over sandy or sandy-skeletal, mixed, active, mesic Aeris Endoaqualfs
Houghton	Euic, mesic Typic Haplosaprists
Madaus	Coarse-silty over sandy or sandy-skeletal, carbonatic over mixed, mesic Histic Humaquepts
Maumee	Sandy, mixed, mesic Typic Endoaquolls
Medaryville	Sandy over loamy, mixed, semiactive, mesic Aquic Argiudolls
Mermill	Fine-loamy, mixed, active, mesic Mollic Epiqualfs
Metea	Loamy, mixed, active, mesic Arenic Hapludalfs
Miami	Fine-loamy, mixed, active, mesic Oxyaeric Hapludalfs
Milford	Fine, mixed, superactive, mesic Typic Endoaquolls
Monon	Coarse-loamy, mixed, superactive, mesic Typic Endoaquolls
Moon	Fine-loamy, mixed, active, mesic Oxyaeric Hapludalfs
Morocco	Mixed, mesic Aquic Udipsamments
Moston	Coprogenous, euic, mesic Limnic Haplosaprists
Muskego	Coprogenous, euic, mesic Limnic Haplosaprists
Navunon	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Newton	Sandy, mixed, mesic Typic Humaquepts
Oakville	Mixed, mesic Typic Udipsamments
Odell	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Ormas	Loamy, mixed, active, mesic Arenic Hapludalfs

**CLASSIFICATION OF THE SOILS
OF
PULASKI COUNTY, INDIANA**

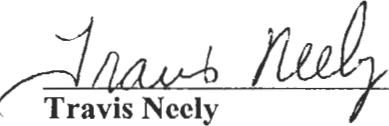
Series Name	Family or higher taxonomic class
Radioville	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Rensselaer	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Riddles	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Sebewa	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Argiaquolls
Selfridge	Loamy, mixed, active, mesic Aquic Arenic Hapludalfs
Sloan	Fine-loamy, mixed, superactive, mesic Fluvaquentic Endoaquolls
Southwest	Fine-silty, mixed, superactive, nonacid, mesic Typic Fluvaquents
Strole	Fine, illitic, mesic Aquic Argiudolls
Sumava	Coarse-loamy, mixed, active, mesic Aquic Argiudolls
Toto	Coprogenous, euic, mesic Limnic Haplosaprists
Whiskerville	Coarse-loamy, mixed, active, mesic Aquollic Hapludalfs
Whitepost	Coarse-loamy, mixed, superactive, mesic Typic Endoaquolls
Williamstown	Fine-loamy, mixed, active, mesic Aquic Hapludalfs
Winamac	Coarse-loamy, mixed, active, mesic Aquollic Hapludalfs
Wunabuna	Fine, mixed, superactive, nonacid, mesic Fluvaquentic Endoaquept

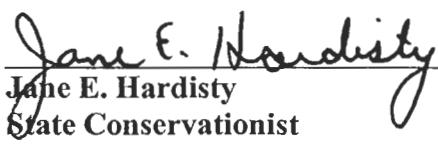
CERTIFICATON STATEMENT

The MLRA Region 11 Team Leader certifies that:

- A. The fieldwork activities were completed in June of 1999.
- B. Interpretations have been coordinated and agree with adjoining survey areas
- C. The location of all typical pedons have been updated, checked for correct location, and for the soil delineations using that name. Typical pedons are those that represent the taxonomic units in MLRA's 98 and 111. Not all typical pedons are located in Pulaski County, but are within other subsets of MLRA's 98 and 111.
- D. All typical pedons are classified according to the Keys of Soil Taxonomy, Eighth edition, 1998.
- E. The digital soil maps, once completed, will be reviewed for accuracy and consistency.
- F. Pulaski County detailed maps have been joined to detailed maps of all adjacent subsets. A detail account of the joins to the respective subset is attached to the file copies of the correlation memorandum in the Regional MLRA Offices, state offices, and field office.
- G. Additional lab data was evaluated during this correlation within and surrounding subsets. This data is located at the Headwater Soil Survey Update Office.

Approval Signatures and Date

 4/6/01
Travis Neely
MLRA Region 11 Team Leader/
State Soil Scientist
USDA, NRCS
Indianapolis, IN 46278

 4/6/01
Jane E. Hardisty
State Conservationist
USDA, NRCS
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**ATTACHMENT #1 TO THE PULASKI COUNTY CORRELATION MEMORANDUM
STATEMENTS FOR JOINING OF THE PULASKI COUNTY SUBSET TO SURROUNDING
SUBSETS**

Cass County (1981): The Cass County Soil Survey, joining to the southeast, will accept the following Pulaski County map units. The correlation document for Cass County will not be amended at this time. A record of the changes is recorded on soil maps and copies will be filed in Cass County case file at the Headwaters MLRA Soil Survey Project Office.

The map units that will be added to **Cass County** Soil Survey are:

AbhAN	Adrian muck, drained, 0 to 1 percent slopes
BstA	Brems loamy fine sand, 0 to 1 percent slopes
BuuA	Brookston loam, 0 to 1 percent slopes
CjfC	Chelsea fine sand, 5 to 12 percent slopes
CuyA	Crosier fine sandy loam, 0 to 1 percent slopes
GcwA	Gilford fine sandy loam, 0 to 1 percent slopes
GrfA	Granby loamy fine sand, 0 to 1 percent slopes
GsaA	Granby - Gilford complex, 0 to 1 percent slopes
MtpA	Moon - Selfridge complex, 0 to 1 percent slopes
MupA	Morocco loamy fine sand, 0 to 1 percent slopes
NofA	Newton-Morocco - loamy fine sands, 0 to 1 percent slopes
ScuA	Sebewa loam, 0 to 1 percent slopes
WoeB	Williamstown - Crosier fine sandy loams, 1 to 5 percent slopes
WpaA	Winamac - Bronson fine sandy loams, 0 to 1 percent slopes

Fulton County (1987): The Fulton County Soil Survey, joining to the east, will accept the following Pulaski County map units. The correlation document for Fulton County will not be amended at this time. A record of the changes is recorded on soil maps and copies will be filed in Fulton County case file at the Headwaters MLRA Soil Survey Project Office.

The map units that will be added to **Fulton County** Soil Survey are:

AbhAN	Adrian muck, drained, 0 to 1 percent slopes
AbhAU	Adrian muck, undrained, 0 to 1 percent slopes
ApuAN	Antung muck, drained, 0 to 1 percent slopes
BstA	Brems loamy fine sand, 0 to 1 percent slopes
BswA	Brems - Morocco complex, 0 to 1 percent slopes
BuuA	Brookston loam, 0 to 1 percent slopes
BwfA	Budd - Brady fine sandy loams, 0 to 1 percent slopes
CjfC	Chelsea fine sand, 5 to 12 percent slopes
CmbAI	Cohoctah loam, 0 to 1 percent slopes, frequently flooded, brief duration
CnzAI	Cohoctah - Abscota complex, 0 to 1 percent slopes, frequently flooded, brief duration
CuyA	Crosier fine sandy loam, 0 to 1 percent slopes
EchAN	Edwards Muck, drained, 0 to 1 percent slopes
GcwA	Gilford fine sandy loam, 0 to 1 percent slopes

GmnA	Goodell - Gilford fine sandy loams, 0 to 1 percent slopes
GrfA	Granby loamy fine sand, 0 to 1 percent slopes
HtbAN	Houghton muck, drained, 0 to 1 percent slopes
HtbAU	Houghton muck, undrained, 0 to 1 percent slopes
MgzA	Maumee - Gumz complex, 0 to 1 percent slopes
MIwB	Metea - Moon loamy sands, 1 to 5 percent slopes
MmyC2	Miami fine sandy loam, 5 to 10 percent slopes, eroded
MnzB	Miami - Williamstown fine sandy loams, 2 to 5 percent slopes
MtoA	Moon - Ormas loamy sands, 0 to 1 percent slopes
MtoB	Moon - Ormas loamy sands, 1 to 5 percent slopes
MtpA	Moon - Selfridge complex, 0 to 1 percent slopes
NofA	Newton-Morocco - loamy fine sands, 0 to 1 percent slopes
OacA	Oakville - Denham fine sands, 0 to 1 percent slopes
OacB	Oakville - Denham fine sands, 1 to 5 percent slopes
OaeC	Oakville fine sand, 5 to 12 percent slopes
OaeD	Oakville fine sand, 12 to 18 percent slopes
ReyA	Rensselaer loam, 0 to 1 percent slopes
RhcA	Riddles fine sandy loam, 0 to 2 percent slopes
ScuA	Sebewa loam, 0 to 1 percent slopes
Sgza	Selfridge loamy fine sand, 0 to 1 percent slopes
Snla	Southwest silt loam, 0 to 1 percent slopes
W	Water
WoeB	Williamstown - Crosier fine sandy loams, 1 to 5 percent slopes
WogA	Williamstown fine sandy loam, 0 to 2 percent slopes
WpaA	Winamac - Bronson fine sandy loams, 0 to 1 percent slopes

Jasper County (1990): The Jasper County Soil Survey, joining to the west, will accept the following Pulaski County map units. The correlation document for Jasper County will not be amended at this time. A record of the changes is recorded on soil maps and copies will be filed in Jasper County case file at the Headwaters MLRA Soil Survey Project Office.

The map units that will be added to **Jasper County** Soil Survey are:

AbhAN	Adrian muck, drained, 0 to 1 percent slopes
BstA	Brems loamy fine sand, 0 to 1 percent slopes
BswA	Brems - Morocco loamy fine sands, 0 to 1 percent slopes
BuuA	Brookston loam, 0 to 1 percent slopes
BuzA	Brookston-Navuron loams, 0 to 1 percent slopes
BwfA	Budd - Brady fine sandy loams, 0 to 1 percent slopes
CqmA	Corwin fine sandy loam, 0 to 1 percent slopes
DbsB	Denham fine sand, 1 to 5 percent slopes
GmnA	Goodell - Gilford fine sandy loams, 0 to 1 percent slopes
HbzA	Headlee-Brady fine sandy loams, 0 to 1 percent slopes
MgzA	Maumee - Gumz complex, 0 to 1 percent slopes
MhaA	Maumee loamy fine sand, 0 to 1 percent slopes
MtoA	Moon - Ormas loamy sands, 0 to 1 percent slopes
MtoB	Moon - Ormas loamy sands, 1 to 5 percent slopes
MtpA	Moon - Selfridge complex, 0 to 1 percent slopes
MupA	Morocco loamy fine sand, 0 to 1 percent slopes
OacB	Oakville-Denham fine sands, 1 to 5 percent slopes

OaeC	Oakville fine sand, 5 to 12 percent slopes
OeaA	Odell fine sandy loam, 0 to 1 percent slopes
OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
RevA	Rensselaer-Radioville loams, 0 to 1 percent slopes
ReyA	Rensselaer loam, 0 to 1 percent slopes
SdzcB	Selfridge-Brems loamy fine sands, 1 to 4 percent slopes
SwiA	Strole silt loam, 0 to 1 percent slopes
WmgA	Whiskerville-Bronson fine sandy loams, 0 to 1 percent slopes
WmiA	Whitepost-Gilford fine sandy loams, 0 to 1 percent slopes
WpaA	Winamac - Bronson fine sandy loams, 0 to 1 percent slopes
WpbA	Winamac fine sandy loam, 0 to 1 percent slopes
WpbB	Winamac fine sandy loam, 1 to 4 percent slopes

Marshall County (1980): The Marshall County Soil Survey, joining to the northeast, will accept the following Pulaski County map unit. The correlation document for Marshall County will not be amended at this time. A record of the changes is recorded on soil maps and copies will be filed in Marshall County case file at the Headwaters MLRA Soil Survey Project Office.

The map unit that will be added to **Marshall County** Soil Survey is:

OacA	Oakville - Denham fine sands, 0 to 1 percent slopes
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Starke County, (1982): The Starke County Soil Survey, joining to the north, will accept the following Pulaski County map units. The correlation document for Starke County, will not be amended at this time. A record of the changes is recorded on soil maps and copies will be filed in Starke County, case file at the Headwaters MLRA Soil Survey Project Office.

The map units that will be added to **Starke County** Soil Survey are:

AbhAN	Adrian muck, drained, 0 to 1 percent slopes
AbhAU	Adrian muck, undrained, 0 to 1 percent slopes
ApuAN	Antung muck, drained, 0 to 1 percent slopes
BstB	Brems loamy fine sand, 1 to 4 percent slopes
BswA	Brems - Morocco loamy fine sands, 0 to 1 percent slopes
CjfC	Chelsea fine sand, 5 to 12 percent slopes
CnzAI	Cohoctah - Abscota complex, 0 to 1 percent slopes, frequently flooded, brief duration
DbsA	Denham fine sand, 0 to 1 percent slopes
EchAN	Edwards Muck, drained, 0 to 1 percent slopes
EcrAN	Edselton muck, drained, 0 to 1 percent slopes
GrfA	Granby loamy fine sand, 0 to 1 percent slopes
HtbAN	Houghton muck, drained, 0 to 1 percent slopes
MhaA	Maumee loamy fine sand, 0 to 1 percent slopes
MhbA	Maumee mucky loamy fine sand, 0 to 1 percent slopes
MupA	Morocco loamy fine sand, 0 to 1 percent slopes
MwzAN	Muskego muck, drained, 0 to 1 percent slopes
NofA	Newton -Morocco loamy fine sands, 0 to 1 percent slopes
OacA	Oakville - Denham fine sands, 0 to 1 percent slopes
OacB	Oakville - Denham fine sands, 1 to 5 percent slopes

OaeC	Oakville fine sand, 5 to 12 percent slopes
OaeD	Oakville fine sand, 12 to 18 percent slopes
TmaAN	Toto muck, drained, 0 to 1 percent slopes
W	Water

White County (1982): The White County Soil Survey, joining to the southwest, will accept the following Pulaski County map units. The correlation document for White County will not be amended at this time. A record of the changes is recorded on soil maps and copies will be filed in White County case file at the Headwaters MLRA Soil Survey Project Office.

The map units that will be added to **White County** Soil Survey are:

AadAK	Abscota fine sandy loam, 0 to 2 percent slopes, occasionally flooded, brief duration
BrvA	Brady fine sandy loam, 0 to 1 percent slopes
BstB	Brems loamy fine sand, 1 to 4 percent slopes
BswA	Brems - Morocco loamy fine sands, 0 to 1 percent slopes
BuuA	Brookston loam, 0 to 1 percent slopes
BuzA	Brookston-Navunon loams, 0 to 1 percent slopes
BwfA	Budd - Brady fine sandy loams, 0 to 1 percent slopes
CjfC	Chelsea fine sand, 5 to 12 percent slopes
CqmA	Corwin fine sandy loam, 0 to 1 percent slopes
CuyA	Crosier fine sandy loam, 0 to 1 percent slopes
DbsB	Denham fine sand, 1 to 5 percent slopes
GcwA	Gilford fine sandy loam, 0 to 1 percent slopes
GdvA	Gilford-Monon fine sandy loams, 0 to 1 percent slopes
GmnA	Goodell - Gilford fine sandy loams, 0 to 1 percent slopes
GrfA	Granby loamy fine sand, 0 to 1 percent slopes
GsaA	Granby - Gilford complex, 0 to 1 percent slopes
MgyA	Maumee - Gilford complex. 0 to 1 percent slopes
MgzA	Maumee - Gumz loamy fine sands, 0 to 1 percent slopes
MhaA	Maumee loamy fine sand, 0 to 1 percent slopes
MlwB	Metea - Moon loamy sands, 1 to 5 percent slopes
MnzB	Miami - Williamstown fine sandy loams, 2 to 5 percent slopes
MtoA	Moon - Ormas loamy sands, 0 to 1 percent slopes
MtoB	Moon - Ormas loamy sands, 1 to 5 percent slopes
MtpA	Moon - Selfridge complex, 0 to 1 percent slopes
MupA	Morocco loamy fine sand, 0 to 1 percent slopes
OacB	Oakville - Denham fine sands, 1 to 5 percent slopes
OaeC	Oakville fine sand, 5 to 12 percent slopes
OecA	Odell-Francesville fine sandy loams, 0 to 1 percent slopes
RevA	Rensselaer - Radioville loams, 0 to 1 percent slopes
ReyA	Rensselaer loam, 0 to 1 percent slopes
RhcA	Riddles fine sandy loam, 0 to 2 percent slopes
SdzcB	Selfridge - Brems loamy fine sands, 1 to 4 percent slopes
SgzA	Selfridge loamy fine sand, 0 to 1 percent slopes

:	ShaA	Selfridge-Morocco loamy fine sands, 0 to 1 percent slopes
	SmsAK	Sloan silt loam, 0 to 1 percent slopes, occasionally flooded, brief duration
	W	Water
	WmgA	Whiskerville-Bronson fine sandy loams, 0 to 1 percent slopes
	WoeB	Williamstown - Crosier fine sandy loams, 1 to 5 percent slopes
	WogA	Williamstown fine sandy loam, 0 to 2 percent slopes
	WpbA	Winamac fine sandy loam, 0 to 1 percent slopes

ATTACHMENT #2

**PULASKI COUNTY SUBSET
MAP UNIT TEXT NOTES**

Mapunit symbol	Mapunit Name	Mapunit text notes
AadAK	Abscota fine sandy loam, 0 to 2 percent slopes, occasionally flooded, brief duration	<p>Formerly Ab--Abscota fine sandy loam</p> <ul style="list-style-type: none"> -This soil was not mapped in the bedrock or lacustrine areas. -Till Plain - Transects support Abscota fine sandy loam with inclusions of coarse - loamy soils. Transects indicate about 7 percent inclusions of 2 percent slopes. Field observations and Elkhart County transects support a slope range of 0 to 2 percent. <p>20 August 1999, written by RAB, input by SLM</p>
AatAN	Ackerman muck, drained, 0 to 1 percent slopes	<p>Ackerman soils were not recognized on the 1968 Pulaski County Soil Survey legend. During the update process and the subsequent mapping of all soils derived from organic material, Ackerman was found and mapped. 20 August 1999 SLM</p>
AbhAN	Adrian muck, drained, 0 to 1 percent slopes	<p>Formerly Ta--Tawas muck</p> <p>Tawas soils are Borosaprists, our region has a mesic temperature regime. Also the derivation of the organic material in Tawas is from woody vegetation and the derivation of the organic materials in Indiana is from herbaceous vegetation. 20 August 1999 SLM</p>
ApUAN	Antung muck, drained, 0 to 1 percent slopes	<p>Antung soils were not recognized on the 1968 Pulaski County Soil Survey legend. During the update process and the subsequent mapping of all soils derived from organic material, Antung was found and mapped. Antung was usually found where Adrian was mapped. During the 30 years since the previous update, the organic matter has oxidized to a depth of less than 16". This changes the classification of Adrian to the proposed new soil Antung. 20 August 1999 SLM</p>
BryA	Brady fine sandy loam, 0 to 1 percent slopes	<p>Formerly Bd--Brady fine sandy loam</p> <ul style="list-style-type: none"> -Outwash plain - Transects support Brady fine sandy loam. -Tippecanoe River East Outwash Plain transects support Brady fine sandy loam. -Formerly BcA-Berrien loamy fine sand, 0 to 2 percent slopes -The Berrien series is inactive and has been replaced with the Brems series. -Transects show the slope range to be 0 to 1 percent slopes in the Bedrock and Lacustrine areas.
BstA	Brems loamy fine sand, 0 to 1 percent slopes	<p>Formerly BgA--Bronson loamy sand, 0 to 2 percent slopes</p> <ul style="list-style-type: none"> -Transects in the bedrock area show that Bronson best fits

Mapunit symbol	Mapunit Name	Mapunit text notes
BstB	Brems loamy fine sand, 1 to 4 percent slopes	<p>Aquic Udipsammets. Less than 10 Ac. 20 August 1999, written by RAB, input by SLM</p> <p>Formerly BCB--Berrien loamy fine sand, 2 to 6 percent slopes -The Berrien series is inactive and has been replaced with the Brems series.</p> <p>-Bedrock transects show the slope range to be 1 to 4 percent with loamy sand surface. pH in the Bedrock area is higher than typical for the Brems series. Minor acreage in this landform. Include with loamy fine sand surface map units in the other landforms</p> <p>-Lacustrine and outwash plain - Transects support Brems loamy fine sand, 1 to 4 percent slopes.</p> <p>-Tippecano River East Outwash Plain transects support Brems loamy sand with inclusions of loamy fine sand surface and Morocco. Include with Brems loamy fine sand.</p> <p>Formerly CHA--Chelsea fine sand, 0 to 2 percent slopes</p> <p>-Transect data in the lacustrine area shows a Aquic Udipsammets without a loamy substratum, it is best to correlate to Brems. Slopes are more than 1 percent. Less than 15 Ac. Using OSD pedon.</p> <p>20 August 1999, written by RAB, input by SLM</p> <p>Formerly BCA--Berrien loamy fine sand, 0 to 2 percent slopes</p> <p>-Outwash plain - Transects support Brems - Morocco complex, loamy fine sand surface</p> <p>-Till plain - Transects support Brems - Morocco complex.</p> <p>Formerly BgA--Bronson loamy sand, 0 to 2 percent slopes</p> <p>-Outwash plain - Transects support Brems - Morocco complex, loamy fine sand surface</p> <p>-Tippecano River East Outwash Plain transects support Brems-Morocco complex.</p>
BswA	Brems-Morocco loamy fine sands, 0 to 1 percent slopes	<p>Formerly Hp--Hooperston fine sandy loam</p> <p>-Outwash Plain - less than 10 acres mapped in the outwash plain. One transect supports Brems-Morocco complex.</p> <p>Formerly OfA--Oshtemo fine sandy loam, loamy substratum, 0 to 2 percent slopes</p> <p>-Outwash Plain - A.S. 5, 21, 29, & 44. Transects (OfA) support Brems-Morocco complex (See M.U. Distribution Map).</p> <p>-Outwash Plain - All other Atlas Sheets - Transects (OfA) showed variable depths of sandy materials. Correlate to Williamstown-Winamac complex with inclusions of Bronson. (See M.U.Distribution Map).</p> <p>Formerly Oma--Oshtemo loamy fine sand, loamy substratum, 0 to 2 percent slopes</p> <p>-Outwash Plain - A.S. 5, 21, 60 Transects (OfA) support</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
BupB	Bronson fine sandy loam, 1 to 4 percent slopes	<p>Brems-Morocco complex (See M.U. Distribution Map).</p> <ul style="list-style-type: none"> - Outwash Plain - Other A Sheets (OmA) small acreage include with OfA (See M. U. Distribution Map). <p>20 August 1999, written by RAB, input by SLM</p> <p>Formerly OFB--Oshtemo fine sandy loam, loamy substratum, 2 to 6 percent slopes</p> <ul style="list-style-type: none"> -1 transect completed in the lacustrine area, shallow borings, however, correlated to Bronson loamy sand, no lacustrine materials. Include with Bronson in the outwash plain areas. <p>Formerly OmB--Oshtemo loamy fine sand, loamy substratum, 2 to 6 percent slopes</p> <ul style="list-style-type: none"> -1 Transect completed in the lacustrine area and supports Coarse-Loamy Aquic Hapludalf with a loamy sand surface. Lab data from pedon S98IN-131-005 supports a fine sandy loam surface. No lacustrine materials found on this transect. This transect was completed near the lacustrine - till boundary on a rise in the landscape. <p>20 August 1999, written by RAB, input by SLM</p>
BuuA	Brookston loam, 0 to 1 percent slopes	<p>Formerly Bn--Brookston loam 200 Ac. In the lacustrine area, Brookston will remain the same.</p> <ul style="list-style-type: none"> -Outwash plain - Transects support Brookston loam. -Till plain - Transects support Brookston loam. <p>Formerly Bo--Brookston loam</p> <ul style="list-style-type: none"> -Till Plain - Transects support Brookston silt loam. Less than 100 acres include with Brookston loam. <p>Formerly Br--Brookston silty loam</p> <ul style="list-style-type: none"> -100 Ac. In the lacustrine area, Brookston will correlate to a loam surface. -Till Plain - Dominant surface texture is loam with about 30 percent inclusions of silt loam. Correlate to Brookston loam. <p>Formerly Bs--Brookston silty clay loam</p> <ul style="list-style-type: none"> -Till Plain - Transects support Brookston loam with inclusion of silty clay loam surface textures. <p>Formerly CnA--Conover silt loam, 0 to 2 percent slopes</p> <ul style="list-style-type: none"> -This soil was not mapped in the bedrock area. -Transects support correlating Conover to Brookston in the lacustrine area. Less than 3 Ac. and is represented by only 1 map unit. <p>Formerly Em--Eel loam</p>

Mapunit Name	Mapunit symbol	Mapunit text notes
		<p>-Eel was changed to Brookston on the field sheets in the Bedrock area. This included 1 unit of 3 acres mapped along the Big Monon Ditch.</p> <p>-This soil will be correlated as Brookston on the remainder of the units in the lacustrine area.</p> <p>20 August 1999, written by RAB, input by SLM</p>
Bn--Brookston loam, 0 to 1 percent slopes	BuZA	<p>Bn--Brookston loam</p> <ul style="list-style-type: none"> -Transects support complexing this unit with a new Fine-loamy, mixed, mesic, Typic Argiaquolls, limestone substratum series (Navu) in the bedrock area. Formerly Br--Brookston silt loam -Transects support a loam surface and complexing this unit with a new Fine-loamy, mixed, mesic, Typic Argiaquolls, limestone substratum series (Navu) in the bedrock area. <p>Formerly Bs--Brookston silty clay loam</p> <ul style="list-style-type: none"> -Transects support a loam surface and complexing this unit with a new Fine-loamy, mixed, mesic, Typic Argiaquolls, limestone substratum series (Navu) in the bedrock area. Transect T97-131-011 was completed on the soil mapped incorrectly as BS, changed map unit to Gilford-Monon complex. <p>Formerly Su--Strole silt loam</p> <ul style="list-style-type: none"> -10 Ac. in the bedrock area. 1 transect completed and supports Strole silt loam with bedrock substratum. Will be an inclusion in the Brookston-Navu complex. <p>Formerly Re--Rensselaer loam</p> <ul style="list-style-type: none"> -Transects support complexing this unit with a new Fine-Loamy, Mixed, Mesic, Typic Argiaquolls series over limestone bedrock. 1 transect showed that bedrock was >96", therefore this soil will be an inclusion. <p>Formerly Rs--Rensselaer silt loam</p> <ul style="list-style-type: none"> -Transects support complexing this unit with a new Fine-Loamy, Mixed, Mesic, Typic Argiaquolls series over limestone bedrock. 1 transect shows the bedrock is > 80", therefore this soil will be an inclusion. Formerly Ws--Westland loam, moderately deep -Transects support correlating as an inclusion of the new Brookston complex in the bedrock area (Brookston-Navu).

Mapunit symbol	Mapunit Name	Mapunit text notes
BwfA	Budd-Brady fine sandy loams, 0 to 1 percent slopes	<p>Formerly Wt--Westland silt loam, moderately deep</p> <ul style="list-style-type: none"> - Transects support correlating as an inclusion of the new Brookston complex in the bedrock area. <p>20 August 1999, written by RAB, input by SLM</p> <p>Formerly Bd--Brady fine sandy loam</p> <ul style="list-style-type: none"> -Till Plain transects support Brady till substratum-Brady complex. Transects support sandy loam and fine sandy loam surface texture equally, but lab data from the Brady till substratum pedon (Budd, 998IN-131-014) supports fine sandy loam.
Cjfc	Chelsea fine sand, 5 to 12 percent slopes	<p>Formerly Bf--Brady loamy fine sand</p> <ul style="list-style-type: none"> -Till Plain transects support Budd (Brady, till sub) -Brady complex. <p>Formerly Ho--Homer sandy loam</p> <ul style="list-style-type: none"> -This soil was not mapped in the bedrock or lacustrine areas -Till Plain - Checked in field. Soil borings support including this small acreage with Brady till substratum - Brady complex. <p>20 August 1999, written by RAB, input by SLM</p> <p>Formerly ChC--Chelsea fine sand, 6 to 12 percent slopes</p> <ul style="list-style-type: none"> -Outwash Plain - Transects support 5 to 12 percent slopes. -Till Plain transects support Chelsea with inclusions of Oakville. <ul style="list-style-type: none"> -Tippecanoe River East Outwash Plain transects support Chelsea with 5 to 12 percent slopes. <p>Formerly ChD--Chelsea fine sand, 12 to 18 percent slopes</p> <ul style="list-style-type: none"> -Outwash Plain - Less than 20 acres. Transects support Chelsea fine sand, 5 to 12 percent slopes. <p>20 August 1999, written by RAB, input by SLM</p>
Cjfd	Chelsea fine sand, 12 to 18 percent slopes	<p>Formerly ChD--Chelsea fine sand, 12 to 18 percent slopes</p> <ul style="list-style-type: none"> -Till Plain transects support Chelsea with 12 to 18 percent slopes with inclusions of Oakville. <p>-Tippecanoe River East Outwash Plain transects support Chelsea with 12 to 25 percent slopes.</p> <p>20 August 1999, written by RAB, input by SLM</p>
CmbAI	Cohoctah loam, 0 to 1 percent slopes, frequently flooded, brief duration	<p>Formerly So--Sloan loam, calcarious variant</p> <ul style="list-style-type: none"> -This soil was not mapped in the bedrock or lacustrine areas. -Till Plain - Tippecanoe River Bottom - Transects support Sloan with inclusions of coarse loamy and sandy families. Most of the Sloan components are borderline to coarse loamy. <p>Fulton and White Counties correlated Cohoctah along the</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
		<p>-Eel was changed to Brookston on the field sheets in the Bedrock area. This included 1 unit of 3 acres mapped along the Big Monon Ditch.</p> <p>-This soil will be correlated as Brookston on the remainder of the units in the lacustrine area.</p> <p>20 August 1999, written by RAB, input by SLM</p>
BuZA	Brookston-Navunon loams, 0 to 1 percent slopes	<p>Bn--Brookston loam</p> <ul style="list-style-type: none"> -Transects support complexing this unit with a new Fine-loamy, mixed, mesic, Typic Argiaquolls, limestone substratum series (Navu) in the bedrock area. Formerly Br--Brookston silt loam -Transects support a loam surface and complexing this unit with a new Fine-loamy, mixed, mesic, Typic Argiaquolls, limestone substratum series (Navu) in the bedrock area. <p>Formerly Bs--Brookston silty clay loam</p> <ul style="list-style-type: none"> -Transects support a loam surface and complexing this unit with a new Fine-loamy, mixed, mesic, Typic Argiaquolls, limestone substratum series (Navu) in the bedrock area. Transect T97-131-011 was completed on the soil mapped incorrectly as BS, changed map unit to Gilford-Monon complex. <p>Formerly Su--Strole silt loam</p> <ul style="list-style-type: none"> -10 Ac. in the bedrock area. 1 transect completed and supports Strole silt loam with bedrock substratum. Will be an inclusion in the Brookston-Navu complex. <p>Formerly Re--Rensselaer loam</p> <ul style="list-style-type: none"> -Transects support complexing this unit with a new Fine-Loamy, Mixed, Mesic, Typic Argiaquolls series over limestone bedrock. 1 transect showed that bedrock was >96", therefore this soil will be an inclusion. <p>Formerly Rs--Rensselaer silt loam</p> <ul style="list-style-type: none"> -Transects support complexing this unit with a new Fine-Loamy, Mixed, Mesic, Typic Argiaquolls series over limestone bedrock. 1 transect shows the bedrock is > 80", therefore this soil will be an inclusion. <p>Formerly Ws--Westland loam, moderately deep</p> <ul style="list-style-type: none"> -Transects support correlating as an inclusion of the new Brookston complex in the bedrock area (Brookston-Navu).

Mapunit symbol	Mapunit Name	Mapunit text notes
		<p>Tippecano River. Therefore, Sloan should be correlated to Cohoctah loam.</p> <p>Formerly Ss--Sloan silt loam, calcareous variant</p> <ul style="list-style-type: none"> -This soil is not mapped in the bedrock area -Till Plain - Tippecano River Bottoms - Transects support Sloan loam. Most of the Sloan pedons are borderline to coarse loamy. Fulton and White Counties correlate Cohoctah along the Tippecano River. Therefore Sloan should be correlated to Cohoctah loam, frequently flooded <p>20 August 1999, written by RAB, input by SLM</p>
CnzAI	<p>Cohoctah-Abscota complex, 0 to 1 percent slopes, frequently flooded, brief duration</p>	<p>Formerly Em-Eel loam</p> <ul style="list-style-type: none"> -Till Plain - Tippecano River bottom - Transects support a complex of Abscota and Sloan. The Sloan and Suman components of the transects are borderline coarse-loamy. Collo areas are included with the Abscota component. Correlate to Cohoctah-Abscota complex. <p>20 August 1999, written by RAB, input by SLM</p>
Cpca	<p>Conover loam, 0 to 1 percent slopes</p>	<p>Formerly CmA--Conover loam, 0 to 2 percent slopes</p> <ul style="list-style-type: none"> -This soil was not mapped in the bedrock and lacustrine areas. -Till Plain - Transects support Conover loam. <p>Formerly CnA--Conover silt loam, 0 to 2 percent slopes</p> <p>-Till Plain - Transects support Conover loam with Brookston inclusions.</p> <p>Formerly CoA--Corwin loam, 0 to 2 percent slopes</p> <p>-Till Plain - A.S. 41, 49 correlate to Corwin loam. A.S. 55, one map unit checked in the field and changed to CmA.</p> <p>20 August 1999, written by RAB, input by SLM</p>
Cqma	<p>Corwin fine sandy loam, 0 to 1 percent slopes</p>	<p>Formerly CoA--Corwin loam, 0 to 2 percent slopes</p> <ul style="list-style-type: none"> -Transect data supports 0 to 1 percent slope range. -These soils have few contrasting inclusions of limestone bedrock at depths of 40 to 80 inches in the bedrock area. Formerly Cra--Corwin silt loam, 0 to 2 percent slopes -Transect data supports loam surface texture in the bedrock area. -Transect data supports 0 to 1 percent slope range. -These soils have few contrasting inclusions of limestone bedrock at depths of 40 to 80 inches in the bedrock area. -Till Plain - A.S. 41, 49 correlate to Corwin loam

Mapunit symbol	Mapunit Name	Mapunit text notes
		<p>-1 map unit in the bedrock area (3 Ac.) will be included with Corwin. This unit is near the Monon ditch, covered with spoil.</p> <p>Formerly Fo--Foresman loam -Transsects in the bedrock area support Fine-Loamy Oxyaquic Argiudolls with inclusions of sand strata in the lower part of the solum. About 30 Acres mapped in the bedrock area. 20 August 1999, written by RAB, input by SLM Lab data in the area indicates fine sandy loam surface. 15 December 1999 SLM</p>
CuyA	Crosier fine sandy loam, 0 to 1 percent slopes	<p>Formerly BaA--Blount loam, 0 to 2 percent slopes -Transsects show Crosier is a better correlation in the till plain area. Symbols were changed on the field sheets in this area. It was fine-loamy, developed in glacial till.</p> <p>Formerly CSA--Crosby fine sandy loam, 0 to 2 percent slopes -Outwash Plain - Less than 100 acres in transition area near the Till Plain. Correlate with CSA in Till Plain. -Till Plain transects support Crosier fine sandy loam. -Tippecanoe River East Outwash Plain - one map unit on A.S. 15, section 17 checked in field and remapped Aubbeenaubbee.</p> <p>Formerly CTA--Crosby loam, 0 to 2 percent slopes -1 map unit in the outwash plain area (AS 10) transected and supports Celina and was changed to Celina loam. -Till Plain - Transects support Crosier fine sandy loam.</p> <p>Formerly CuA--Crosby silt loam, 0 to 2 percent slopes -This soil was not mapped in the bedrock and lacustrine areas. -Till Plain - Less than 100 acres. Transects support Crosier loam. Include with Crosier fine sandy loam.</p> <p>Formerly CuB--Crosby silt loam, 2 to 6 percent slopes -This soil was not mapped in the bedrock, lacustrine and outwash plain areas. -Till Plain - Transects support Crosier loam, 0 to 1 percent slopes. Less than 20 acres. Include with Crosier fine sandy loam. 20 August 1999, written by RAB, input by SLM Formerly FIA--Plainfield fine sand, 0 to 2 percent slopes -This soil was not mapped in the bedrock area. -Lacustrine - 70 Ac. in the lacustrine area, transect supports Aquic Arenic Hapludalf and Aquic Udipsamment. Include with Denham.</p>
DbsA	Denham fine sand, 0 to 1 percent slopes	

Mapunit symbol	Mapunit Name	Mapunit text notes
		<p>-Outwash Plain - Transects support wet substratum with redox below 40 inches.</p> <p>-Till Plain - Transects and more extensive investigations of several other map units support Denham fine sand with inclusions of Brems and till substratum phases with the till being predominantly greater than 60 inches deep. Include with Denham in the other land forms.</p> <p>Formerly Fsa--Fox sandy loam, 0 to 2 percent slopes</p> <p>-This soil was not mapped in the bedrock and lacustrine areas.</p> <p>-Tippecanoe River Outwash Plain - Less than 10 acres mapped. Transects support Osolo. Include with Oha. Till Plain - About 65 acres mapped. A.S. 64 and 72 correlated to Mma. A.S. 61, 68, and 69 transects support Metea - Brady complex. Changed on map to MLA.</p> <p>-Till Plain - Two transects were not conclusive. A.S. 32 correlated to MLA.</p> <p>-Tippecanoe River East Outwash Plain - One transect on only map unit of about of 5 acres supports Typic Udipsamment with wet substratum and 18 percent gravel in lower solum and in substratum. Include with Denham.</p> <p>Formerly ChA--Chelesa fine sand, 0 to 2 percent slopes</p> <p>-Outwash Plain transects support Denham with redoximorphic features below 40 inches.</p> <p>-Till Plain - Transects and more extensive investigations of several other map units support Denham fine sand with inclusions of Brems and till substratum phases with the till being predominantly greater than 60 inches deep. Include with Denham in the other land forms.</p> <p>Formerly Ofa--Oshtemo fine sandy loam, loamy substratum, 0 to 2 percent slopes</p> <p>-Tippecanoe River East Outwash Plain - Less than 50 acres located on A.S. 63, 70 and 71. Include with Oha which was correlated to Denham.</p> <p>Formerly Oha--Oshtemo loamy sand, 0 to 2 percent slopes</p> <p>-This soil was not mapped in the bedrock or lacustrine areas.</p> <p>-Outwash Plain - Transects supports Denham.</p> <p>-Tippecanoe River East Outwash Plain - Transect supports Oakville with wet substratum.</p> <p>Formerly Oma--Oshtemo loamy fine sand, loamy substratum, 0 to 2 percent slopes</p> <p>-Tippecanoe River East Outwash Plain - Less than 50 acres on A.S. 63, 70 and 71. Include with Oha which was correlated</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
DbsB	Denham fine sand, 1 to 5 percent slopes	<p>to Denham.</p> <p>20 August 1999, written by RAB, input by SLM</p> <p>Formerly PlB--Plainfield fine sand, 2 to 6 percent slopes - Transects in the bedrock area support the new Oakville wet substratum soil (Denham). Typic Udipsamment - Transects in the lacustrine area support the new Oakville, wet substratum soil (Denham).</p> <p>Formerly ChB--Chelsea fine sand, 2 to 6 percent slopes - Transects support wet substratum 40-80" Oakville soils and will be a new soil series (Denham). Transects also support slopes of 1 to 5% in both the bedrock and lacustrine areas.</p> <p>20 August 1999, written by RAB, input by SLM</p>
EchAN	Edwards muck, drained, 0 to 1 percent slopes	<p>Formerly Ed--Edwards muck</p> <p>During the update process and the subsequent mapping of all soils derived from organic material, Edwards was re-mapped. Edwards was found in most parent material areas.</p> <p>20 August 1999 SLM</p>
EcRAN	Edselton muck, drained, 0 to 1 percent slopes	<p>Edsel soils were not recognized on the 1968 Pulaski County Soil Survey legend. During the update process and the subsequent mapping of all soils derived from organic material, Edsel was found and mapped. Edsel was usually found where Edwards was mapped. The difference is that Edsel has a continuous layer of sand in the lower tier.</p> <p>20 August 1999 SLM</p>
GcfwA	Gilford fine sandy loam, 0 to 1 percent slopes	<p>Formerly Gm--Gilford loam</p> <p>-Tippecanoe River East Outwash Plain - Transects support Gilford fine sandy loam with inclusions of Maumee and Granby.</p> <p>20 August 1999, written by RAB, input by SLM</p>
GdvA	Gilford-Monon fine sandy loams, 0 to 1 percent slopes	<p>Formerly Gf--Gilford fine sandy loam</p> <p>-Bedrock - Field notes and transects in the White County bedrock area support this unit as an inclusion in the Gilford-Monon complex. Fine sandy loam surface. About 50 Ac. have been mapped in this area.</p> <p>Formerly Gm--Gilford loam</p> <p>-Transects in the bedrock area support this unit as an inclusion in the Gilford-Monon complex. 10 Ac. mapped</p> <p>Formerly Ma--Maumee fine sandy loam</p> <p>-Transects and several borings support complexing this unit with a new Sandy, mixed, mesic, Typic Endoaquolls series</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
		<p>over limestone bedrock (Monon). 125 AC. Loamy sand surface.</p> <p>Formerly Nf--Newton loamy fine sand 10 Ac. in the bedrock area. Transect supports Maumee, limestone substratum.</p> <p>20 August 1999, written by RAB, input by SLM</p> <p>Transect summary supports fine sandy loam surface for Monon and Gilford in this complex.</p> <p>08 September 1999. SLM</p>
GmnA	Goodell-Gilford fine sandy loams, 0 to 1 percent slopes	<p>Formerly Gf--Gilford fine sandy loam -Till Plain - Transects support Gilford fine sandy loam, till substratum in complex with Gilford.</p> <p>Formerly Gm-Gilford loam -Till Plain - Transects support Gilford fine sandy loam, till substratum, in complex with Gilford.</p> <p>Formerly Gv--Gilford loam, ferruginous variant -Till plain - Transects supports ferruginous. Less than 50 acres in till plain. Correlate to Gilford till substratum - Gilford complex.</p> <p>Formerly Mf--Maumee mucky fine sandy loam -Till Plain - Transects don't support till substratum but supports Gilford. Small acreage in till plain. Include with Gilford till substratum - Gilford complex.</p> <p>20 August 1999, written by RAB, input by SLM</p>
GrfA	Granby loamy fine sand, 0 to 1 percent slopes	<p>Formerly Ma--Maumee fine sandy loam -Tippecano River East Outwash Plain - Transects support Granby with loamy fine sand surface.</p> <p>Formerly Md--Maumee fine sandy loam, ferruginous variant -Tippecano River East Outwash Plain - Transects support Granby with ferruginous areas. Due to small acreage include with Granby loamy fine sand.</p> <p>Formerly Me--Maumee loamy fine sand -Till Plain - Transects support Maumee or Granby with loamy fine sand surface.</p> <p>-Tippecano River East Outwash Plain - This soil wasn't mapped in this area.</p> <p>Formerly Mf--Maumee mucky fine sandy loam -Tippecano River East Outwash Plain - Transects support Granby with mucky surface. Due to small acreage include with Granby loamy fine sand.</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
GsaA	Granby-Gilford complex, 0 to 1 percent slopes	<p>Formerly Nf--Newton loamy fine sand -Till Plain - Transects support Granby loamy fine sand. -Tippecanoe River East Outwash Plain - Transects show a variation of soils including, Granby, Morocco and Newton soils.</p> <p>Areas close to dunes will be correlated to Newton - Morocco complex and areas on broad plains will be correlated with. Granby loamy fine sand. These changes will be made when soil scientists compile soil lines on to new photos.</p> <p>20 August 1999, written by RAB, input by SLM</p>
HbzA	Headlee-Brady fine sandy loams, 0 to 1 percent slopes	<p>Formerly Gf--Gilford fine sandy loam -Tippecanoe River East Outwash Plain - Transects support Maumee - Gilford complex.</p> <p>Formerly Gv--Gilford loam, ferruginous variant -Tippecanoe River East Outwash Plain - Two small map units (less than 5 acres). Transect in one unit indicates less than 1% iron nodules. Include with surrounding map unit.</p> <p>20 August 1999, written by RAB, input by SLM</p> <p>Formerly AYy-Ayr fine sandy loam, 0 to 2 percent slopes -Transects indicate that this unit is predominantly loamy overwash on lacustrine sediments with redoximorphic features within 20 inches of the surface. This unit is less than 100 Ac.</p> <p>Formerly Bd--Brady fine sandy loam -Transects in the lacustrine area support a complex of Brady and Headlee.</p> <p>Formerly Bf--Brady loamy fine sand -Transects in the lacustrine area support a complex of Brady and Headlee.</p> <p>Formerly BgA--Bronson loamy sand, 0 to 2 percent slopes -In the lacustrine area, the transect was completed on a unit that was mapped incorrectly, the boundaries will be adjusted to best fit the landscape. Less than 10 Ac, sheets 25&33 Formerly Hp--Hoopston fine sandy loam -Transects support a complex of Headlee-Brady in the lacustrine area. Using OSD pedon. Formerly MlA--Metea loamy fine sand, 0 to 2 percent slopes -Transects support correlating to Headlee-Brady in the lacustrine area. Minor soil in the lacustrine area. Using Brady OSD pedon</p> <p>20 August 1999, written by RAB, input by SLM</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
Hnba	Homer sandy loam, 0 to 1 percent slopes	Formerly Ho-Homer sandy loam -Tippecanoe River East Outwash Plain - One transect supports Homer sandy loam.
HtbAN	Houghton muck, drained, 0 to 1 percent slopes	Formerly Ca-Carlyle muck Transects have shown that muck from woody origin is not mapped in our temperature regim. In the Headwaters MLRA project office area, all Carlisle muck units will be mapped as Houghton, unless they are less than 51" thick. 20 August 1999, written by RAB, input by SLM
MfrAN	Madaus muck, drained, 0 to 1 percent slopes	Madaus soils were not recognized on the 1968 Pulaski County Soil Survey legend. During the update process and the subsequent mapping of all soils derived from organic material, Madaus was found and mapped. 20 August 1999 SLM
MgyA	Maumee-Gilford complex, 0 to 1 percent slopes	Formerly Gf-Gilford fine sandy loam -Outwash Plain - Transects support a complex of Maumee-Gilford with inclusions of Granby and Gilford loamy substratum.
MgZA	Maumee-Gumz complex, 0 to 1 percent slopes	Formerly Gm-Gilford loam -Outwash Plain - Transects support a complex of Maumee-Gilford with inclusions of Granby and Gilford loamy substratum. Formerly Gy-Gilford loam, ferruginous variant -This soil is not mapped in the bedrock or lacustrine areas Outwash plain - Transects support a complex of Maumee - Gilford with inclusions of Granby and Gilford loamy substratum. Use spot symbols to identify ferruginous areas. Formerly Wt-Westland silt loam, moderately deep -Outwash Plain - 1 transect in 3 acre map unit supports Gilford - Granby complex. Include with Maumee - Gilford complex. 20 August 1999, written by RAB, input by SLM
		Formerly Ma-Maumee fine sandy loam -Till Plain - Transects support a complex of Maumee and Granby till substratum with loamy fine sand surface.
		Formerly Md-Maumee fine sandy loam, ferruginous variant -Till Plain - Small acreage. Transects support Granby till substratum. Because of small acreage include with Maumee - Granby till substratum with inclusions of ferruginous areas. 20 August 1999, written by RAB, input by SLM

Mapunit symbol	Mapunit Name	Mapunit text notes
MhaA	Maumee loamy fine sand, 0 to 1 percent slopes	<p>Formerly Wa-Wallkill silt loam -Outwash Plain - Less than 25 acres. Transect supports Maumee loamy fine sand.</p> <p>Formerly Ma--Maumee fine sandy loam -Outwash Plain - Transect supports Maumee loamy fine sand.</p> <p>Formerly Md--Maumee fine sandy loam, ferruginous variant -Outwash Plain - Transect supports Maumee loamy fine sand.</p> <p>Formerly Me--Maumee loamy fine sand -Outwash Plain - Transect supports Maumee loamy fine sand.</p> <p>Formerly Nf--Newton loamy fine sand -Outwash Plain - Transects show a variation of soils including Maumee, Granby, Morocco and Newton soils. Areas close to dunes will be correlated to Newton -Morocco complex and areas on broad plains will be correlated with Maumee loamy fine sand. These changes will be made when soil scientists compile soil lines on to new photos.</p> <p>20 August 1999, written by RAB, input by SLM</p> <p>Formerly Mf--Maumee mucky fine sandy loam -Outwash Plain - Transects support Maumee mucky loamy fine sand.</p> <p>20 August 1999, written by RAB, input by SLM</p>
Mnba	Maumee mucky loamy fine sand, 0 to 1 percent slopes	<p>Formerly Da--Darroch loam -Transects support correlating this unit to a new Darroch, lacustrine substratum soil (Medaryville) in the lacustrine area. Transects support a loam surface.</p> <p>Formerly Dc--Darroch loam, clay substratum -Transects support correlating this unit to a new Darroch, lacustrine substratum soil (Medaryville) in the lacustrine area. Transects support a loam surface.</p> <p>Formerly Ds--Darroch silt loam -Transects support correlating this unit to a new Darroch, lacustrine substratum soil (Medaryville) in the lacustrine area. Transects support a loam surface.</p> <p>Formerly Fo--Foreman loam -Transects in the lacustrine area support the new Darroch, lacustrine substratum, 0 to 1 percent slopes and lab data supports fine sandy loam surface texture (Medaryville).</p> <p>20 August 1999, written by RAB, input by SLM</p>
MhnA	Medaryville fine sandy loam, 0 to 1 percent slopes	

Mapunit symbol	Mapunit Name	Mapunit text notes
MlwB	Metea-Moon loamy sands, 1 to 5 percent slopes	<p>Formerly AdB--Ade loamy fine sand, 2 to 6 percent slopes</p> <ul style="list-style-type: none"> -Till Plain - Only 2 acres mapped, correlated to Metea-Moon. Formerly MlB--Metea loamy fine sand, 2 to 6 percent slopes -Outwash Plain - Transects support a complex of Arenic Hapludalfs (Metea) - Oxyaquaic Hapludalfs (Metea, wet substratum). -Till Plain - Transects support a complex of Arenic Hapludalfs (Metea) - Oxyaquaic Arenic Hapludalfs (Metea wet substratum) <p>Tippecanoe River East Outwash Plain - One map unit (A.S. 8). One transect in this map unit supports Bristol. No till.</p> <p>20 August 1999, written by RAB, input by SLM</p>
MmyC2	Miami fine sandy loam, 5 to 10 percent slopes	<p>Formerly Mmc2--Miami fine sandy loam, 6 to 12 percent slopes, moderately eroded</p> <ul style="list-style-type: none"> -This soil was not mapped in the bedrock or lacustrine areas. <p>-Till Plain - Transects support Miami fine sandy loam with inclusions of severely eroded areas. This unit includes Riddles soils.</p> <p>Formerly Moc3--Miami soils, 6 to 12 percent slopes, severely eroded</p> <p>-Till Plain - Transects support including with the Miami moderately eroded unit. This unit has inclusions of severely eroded areas.</p> <p>20 August 1999, written by RAB, input by SLM</p>
MnzB	Miami-Williamstown fine sandy loams, 2 to 5 percent slopes	<p>Formerly MnB2--Miami fine sandy loam, 2 to 6 percent slopes</p> <ul style="list-style-type: none"> -Till Plain - Transects support a complex of Miami and Williamstown with many Riddles inclusions. <p>-Tippecanoe River East Outwash Plain - One map unit in section 17 A.S. 15 checked in field. Moved to till plain landform.</p> <p>20 August 1999, written by RAB, input by SLM</p>
MoA	Milford silty clay loam, 0 to 1 percent slopes	<p>Formerly Mp--Montgomery silty clay</p> <ul style="list-style-type: none"> -This soil was not mapped in the bedrock area. -Transects support Milford with a surface texture of silty clay loam. <p>20 August 1999, written by RAB, input by SLM</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
MtOA	Moon-Ormas loamy sands, 0 to 1 percent slopes	<p>Formerly Oha--Oshtemo loamy sand, 0 to 2 percent slopes</p> <p>-Till Plain - Transects and data from Fulton County support a complex of Ormas and Metea wet substratum.</p> <p>Formerly Ofa--Oshtemo fine sandy loam, loamy substratum, 0 to 2 percent slopes</p> <p>-Till Plain - Transects and data from Fulton County support a complex of Ormas-Metea wet substratum.</p> <p>Formerly Oma--Oshtemo loamy fine sand, loamy substratum, 0 to 2 percent slopes</p> <p>-Till Plain - Transects and data from Fulton County support a complex of Ormas and Metea wet substratum.</p> <p>20 August 1999, written by RAB, input by SLM</p> <p>Formerly OfB--Oshtemo fine sandy loam, loamy substratum, 2 to 6 percent slopes</p> <p>-Till Plain - Transects and data from Fulton County support a complex of Ormas and Metea wet substratum.</p> <p>Formerly ObB--Oshtemo loamy sand, 2 to 6 percent slopes</p> <p>-Till Plain - Transects and data from Fulton County support a complex of Ormas and Metea wet substratum.</p> <p>Formerly Omb--Oshtemo loamy fine sand, loamy substratum, 2 to 6 percent slopes</p>
MtOB	Moon-Ormas loamy sands, 1 to 5 percent slopes	<p>-Till Plain - Transects and data from Fulton County support a complex of Ormas and Metea wet substratum.</p> <p>20 August 1999, written by RAB, input by SLM</p> <p>Formerly AuA--Aubbeenaubbee fine sandy loam, 0 to 2 percent slopes</p> <p>-Outwash plain - Less than 50 acres . Include with Metea wet substratum - Selfridge complex.</p> <p>Formerly Aya--Ayr fine sandy loam, 0 to 2 percent slopes</p> <p>-Till Plain - Only 2 acres in till plain. Transect supports Markton. Include with Metea wet substratum - Selfridge complex.</p> <p>Formerly Da--Darroch loam</p> <p>-Till Plain - less than 10 acres. Transects support Metea, wet substratum-Selfridge complex.</p> <p>Formerly Ma--Metea loamy fine sand, 0 to 2 percent slopes</p> <p>-Outwash Plain - Transects support a complex of Oxyaquic Hapludalfs (Metea, wet substratum) - Aquic Arenic Hapludalfs (Selfridge).</p> <p>-Till Plain - Transects support a complex of Oxyaquic Hapludalfs (Metea, wet substratum) - Aquic Arenic Hapludalfs (Selfridge).</p> <p>20 August 1999, written by RAB, input by SLM</p>
MtpA	Moon-Selfridge complex, 0 to 1 percent slopes	

Mapunit symbol	Mapunit Name	Mapunit text notes
MUPA	Morocco loamy fine sand, 0 to 1 percent slopes	<p>Formerly BCA--Berrien loamy fine sand, 0 to 2 percent slopes -1 transect completed in the bedrock area and supported Morocco with high solum pH. Include with Morocco in outwash plain.</p> <p>-Tippecano River East Outwash Plain transects support Brems with loamy sand surface with inclusions of loamy fine sand. Include with loamy fine sand map unit.</p> <p>Formerly Bf--Brady loamy fine sand</p> <ul style="list-style-type: none"> -Outwash plain - Transects support Aquic Udipsamment. -Tippecano River East Outwash Plain - 1 transect supports Brems borderline to Morocco. Include with Morocco loamy fine sand. <p>Formerly BmA--Bronson sandy loam, 0 to 2 percent slopes -Outwash plain - A. S. 28, 45 transects supports Morocco loamy fine sand. A. S. 11 transect supports Winamac so changed map unit on soil map.</p> <p>Formerly Mr--Morocco loamy fine sand -25 Ac. in the bedrock area. Transects support morocco except the solum pH is as high as 6.8.</p> <ul style="list-style-type: none"> -Transects in the lacustrine area support Morocco. -Outwash Plain and Tippecano River East Outwash Plain - transects support Morocco loamy fine sand surface. -Till Plain - Transects support Morocco with inclusions of till substratum. <p>Formerly Ef--Foreman fine sandy loam, sandy variant</p> <ul style="list-style-type: none"> -Outwash Plain - About 10 acres mapped. One transect supports Morocco. <p>23 August 1999, written by RAB, input by SLM</p>
MvhAN	Moston muck, drained, 0 to 1 percent slopes	<p>Mosley soils were not recognized on the 1968 Pulaski County Soil Survey legend. During the update process and the subsequent mapping of all soils derived from organic material, Mosley was found and mapped.</p> <p>23 August 1999 SLM</p>
MwzAN	Muskego muck, drained, 0 to 1 percent slopes	<p>Muskego soils were not recognized on the 1968 Pulaski County Soil Survey legend. During the update process and the subsequent mapping of all soils derived from organic material, Muskego was found and mapped.</p> <p>23 August 1999 SLM</p>
NOFA	Newton-Morocco loamy fine sands, 0 to 1 percent slopes	<p>Formerly Nf--Newton loamy fine sand</p> <ul style="list-style-type: none"> -Outwash Plain - Transects show a variation of soils including Maumee, Granby, Morocco and Newton soils. Areas close to dunes will be correlated to Newton -Morocco complex and areas on broad plains will be correlated with Maumee loamy fine sand. These changes will be made when soil

Mapunit symbol	Mapunit Name	Mapunit text notes
OacA	Oakville-Denham fine sands, 0 to 1 percent slopes	<p>scientists compile soil lines on to new photos.</p> <p>-Tippecano River East Outwash Plain - Transects show a variation of soils including, Granby, Morocco and Newton soils.</p> <p>Areas close to dunes will be correlated to Newton - Morocco complex and areas on broad plains will be correlated with. Granby loamy fine sand. These changes will be made when soil scientists compile soil lines on to new photos.</p>
OacB	Oakville-Denham fine sands, 1 to 5 percent slopes	<p>Formerly PLA-Oakville fine sand, 0 to 2 percent slopes</p> <p>-Tippecano River East Outwash Plain - Transect supports a complex of Oakville and Denham.</p> <p>Formerly ChA-Chelsea fine sand, 0 to 2 percent slopes</p> <p>-Tippecano River East Outwash Plain - No transects - Less than 50 acres in this area. All located on A.S. 71. Included with Oakville- Denham complex.</p> <p>23 August 1999, written by RAB, input by SLM</p>
OaeC	Oakville fine sand, 5 to 12 percent slopes	<p>Formerly PLB--Oakville fine sand, 2 to 6 percent slopes</p> <p>-Outwash Plain - Transects support Oakville- Denham complex with redox features below 40 inches.</p> <p>-Till Plain - Transects support a complex of Denham and Oakville (redox below 40 inches).</p> <p>-Tippecano River East Outwash Plain - No transects in this area. Transect in A slope unit in this area support a complex of Oakville and Denham with redox below 40 inches.</p> <p>Formerly ChB-Chelsea fine sand, 2 to 6 percent slopes</p> <p>-Outwash Plain - Transects support a complex of Oakville and Denham with redox below 40 inches.</p> <p>-Till Plain transects support a complex of Oakville-Denham with inclusions of till substratum.</p> <p>-Tippecano River East Outwash Plain transects support a complex with a wetter soil included with Oakville-Denham complex.</p> <p>Formerly OhB-Oshtemo loamy sand, 2 to 6 percent slopes</p> <p>-This soil was not mapped in the bedrock or lacustrine areas.</p> <p>-Outwash Plain - Transects support Oakville-Denham complex.</p> <p>-Tippecano River East Outwash Plain - Transect supports a complex of Oakville-Oakville wet substratum</p> <p>23 August 1999, written by RAB, input by SLM</p> <p>Formerly OhC-Oshtemo loamy sand, 6 to 12 percent slopes</p> <p>-This soil was not mapped in the bedrock or lacustrine areas.</p> <p>-Till Plain - No transects in this area less than 75 acres.</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
	include with OhC in Outwash Plain.	<ul style="list-style-type: none"> -Tippecano River East Outwash Plain - One transects supports Oakville-Oakville wet substratum. Transect doesn't represent all of OhC map units. Recommend correlating this unit to Oakville with wet substratum inclusions. Formerly PLC-Plainfield fine sand, 6 to 12 percent slopes -Transects in the bedrock area support the Oakville fine sand soil. Typic Udipsamment, there are wet substratum inclusions in this unit. -1 transect has about 20% wet substratum. This unit will be correlated to Oakville, the map unit will have a wet substratum inclusion. -Outwash Plain - Transects support Oakville fine sand. -Till Plain - Transects support Oakville fine sand with inclusions of Chelsea. -Tippecano River East Outwash Plain - No transects in this area and a minor soil in this landform. Include with Oakville in the other landforms. Formerly ChC-Chelsea fine sand, 6 to 12 percent slopes -Transects in the bedrock area support Oakville soils on steeper slopes. Transects also support slopes of 5 to 12% and wet substratum inclusions. -Transects in the lacustrine area did not have Argic properties and will have wet substratum inclusions. <p>23 August 1999, written by RAB, input by SLM</p>
OaEd	Oakville fine sand, 12 to 18 percent slopes	<p>Formerly PLE-Plainfield fine sand, 12 to 25 percent slopes</p> <p>-This soil was not mapped in the bedrock area.</p> <p>-30 Ac. in the lacustrine area, no transects completed, however, it will be correlated to the Oakville 12 to 18 percent slope.</p> <p>-Outwash Plain - Transects support Oakville fine sand, 12 to 18 percent slopes with inclusions of less than 12 percent.</p> <p>-Till Plain - Transects support Oakville fine sand, 12 to 18 percent slopes, with inclusions of Chelsea.</p> <p>-Tippecano River East Outwash Plain - No transects in this area and a minor soil in this landform. Include with Oakville in the other landforms.</p>
OeaA	Odell fine sandy loam, 0 to 1 percent slopes	<p>Formerly Od-Odell loam</p> <p>-50 Ac. mapped in the lacustrine area. 1 transect supports a Fine-Loamy Aquic Argiudoll with a loam surface texture.</p> <p>-Outwash Plain - less than 50 acres. North of Medaryville.</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
Oeca	Odell-Francesville fine sandy loams, 0 to 1 percent slopes	<p>include with Odell in Lacustrine area. No transects.</p> <p>-Till Plain - less than 50 acres. Northwest of Medaryville. One transect was predominantly Brookston. Lines were adjusted on soil map. Include with Odell in lacustrine area.</p> <p>Formerly Oe--Odell silt loam -15 Ac. in the lacustrine, transects support Odell with a loam surface texture. 23 August 1999, written by RAB, input by SLM</p> <p>Formerly A1A--Aubbeenaubbee fine sandy loam, 0 to 2 percent slopes -Transects in the bedrock area supports Fine-Loamy Udollitic Endoaqualfs. This soil is of minor extent, less than 25 Ac.</p> <p>Transects indicate this soil is at least a mollic integrade with mollic inclusions. The overwash is dominantly less than 20 inches thick.</p> <p>Formerly AYA--AYR fine sandy loam, 0 to 2 percent slopes -2 transects in the bedrock area indicate redoximorphic features near or just below the surface</p> <p>Formerly PaB2--Parr loam, 2 to 6 percent slopes, moderately eroded -Transects support correlating to Odell-Francesville complex in the bedrock area.</p> <p>Formerly CSA--Crosby fine sandy loam, 0 to 2 percent slopes -Transect data supports a loam surface texture, 0 to 1 percent slope range, and correlating to the new soil with limestone bedrock at depths of 40 to 80 inches (Francesville) in the bedrock area.</p> <p>Formerly CtA--Crosby loam, 0 to 2 percent slopes -Transect data supports a loam surface texture, 0 to 1 percent slope range, and correlating to the new soil with limestone bedrock at depths of 40 to 80 inches (Francesville) in the bedrock area.</p> <p>Formerly Da--Darroch loam -Transects support complexing this unit with a new Fine-Loamy, Mixed, Mesic, Typic Argiaquolls (Odell-Francesville) in the bedrock area.</p> <p>Formerly Dc--Darroch loam, clay substratum -Transects support complexing this unit with a new Fine-Loamy, Mixed, Mesic, Typic Argiaquolls (Odell-Francesville) in the bedrock area.</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
		Formerly Ds--Darroch silt loam -Transsects support complexing this unit with a new Fine-Loamy, Mixed, Mesic, Typic Argiaquolls (Odell-Francesville) in the bedrock area.
	Formerly Mk--Mermill silt loam -250 Ac. in bedrock area, 1 transect supports Fine-Loamy Aquic Argiudoll (odell) with a SICL surface, data shows that limestone bedrock is within 80" in these map units.	Formerly Od--Odell loam -Transsects in the bedrock area support the new Odell complex (Odell-Francesville). Formerly Oe--Odell silt loam -5 transects completed in the bedrock area, support loam surface Odell complex. 23 August 1999, written by RAB, input by SLM Lab data from 2 pedons in the Odell-Francesville map unit supports a fine sandy loam surface. The Odell component of this map unit is slightly outside the range for the series with the clay content of the texture control section averaging about 22 percent clay. 8 February 2000, written by RAB
Pmg	Pits, Gravel	Formerly St--Stone quarries -There are several gravel pits in the outwash plain and till plain areas. -Till Plain - A.S. 60, section 24 and A.S. 64, section 13 have small map units that were remapped to Pits, gravel. 23 August 1999, written by RAB, input by SLM
Pps	Pits, Quarries, Limestone	Formerly St--Stone quarries -There are at least 2 open, active limestone quarries in the bedrock area. -There are no limestone or gravel pits in the lacustrine area. 23 August 1999, written by RAB, input by SLM
ReBa	Radioville-Mermill loams, 0 to 1 percent slopes	Formerly Mh--Mermill loam -This soil was not mapped in the bedrock area. -Transsects support correlating to a loam surface Typic Argiaquoll with a lacustrine substratum (Radioville) in complex with Mermill in the lacustrine area. Formerly Mk--Mermill silt loam -Transsects support correlating to a loam surface Typic

Mapunit symbol	Mapunit Name	Mapunit text notes
ReVA	Rensselaer-Radioville loams, 0 to 1 percent slopes	<p>Argiaquoll with a lacustrine substratum (Radioville) in complex with Mermill in the lacustrine area. 23 August 1999, written by RAB, input by SLM</p> <p>Formerly Re--Rensselaer loam</p> <ul style="list-style-type: none"> -Transects support a loam surface texture and also show that this map unit as Rensselaer, lacustrine substratum in the lacustrine area (Radioville) in complex with Rensselaer. Formerly Rs--Rensselaer silt loam -Transects support a loam surface texture and also show that this map unit as Rensselaer, lacustrine substratum in the lacustrine area (Radioville) in complex with Rensselaer. Formerly Wh--Washetenaw silt loam -This soil was not mapped in the bedrock area. -10 Ac. in the lacustrine area. 1 transect completed and supports a Cumulic Endoaquoll, correlated to Radioville because of minor acreage. <p>Formerly Ws--Westland loam, moderately deep</p> <ul style="list-style-type: none"> -10 Ac. in the lacustrine area. No transects completed, correlated to Radioville loam, because this unit has very small acreage. <p>Formerly Wt--Westland silt loam, moderately deep</p> <ul style="list-style-type: none"> -10 Ac. in the lacustrine area. 1 transect completed and supports Sebewa, however, correlated to the new Rensselaer, lacustrine substratum complexed with Rensselaer. This unit has very small acreage. <p>23 August 1999, written by RAB, input by SLM</p>
ReYA	Rensselaer loam, 0 to 1 percent slopes	<p>Formerly Re--Rensselaer loam</p> <ul style="list-style-type: none"> -Outwash Plain - Transects support Rensselaer loam with Brookston, Gilford, and White Post inclusions. -Till Plain - Transects support Rensselaer loam. -Tippecanoe River East Outwash Plain - No transect in this area. Less than 100 acres mapped in this area. Include with Rensselaer in the till plain. <p>Formerly Rs--Rensselaer silt loam</p> <ul style="list-style-type: none"> -Outwash Plain - Transects support Rensselaer loam. <p>23 August 1999, written by RAB, input by SLM</p>
RhCA	Riddles fine sandy loam, 0 to 2 percent slopes	<p>Formerly MnA--Miami fine sandy loam, 0 to 2 percent slopes</p> <ul style="list-style-type: none"> -Till Plain - Transects support Riddles fine sandy loam with inclusions of Miami. Formerly MnA--Miami loam -This soil was not mapped in the bedrock or lacustrine

Mapunit symbol	Mapunit Name	Mapunit text notes
Scua	Sebewa loam, 0 to 1 percent slopes	<p>areas.</p> <ul style="list-style-type: none"> -TillPlain - Transects support Riddles fine sandy loam with inclusions of Miami. <p>23 August 1999, written by RAB, input by SLM</p> <p>Formerly Wt--Westland silt loam, moderately deep Till Plain and Tippecanoe River East Outwash Plain - Notes and data from adjoining Fulton County support Sebewa.</p> <p>Formerly Ws--Westland loam, moderately deep</p> <ul style="list-style-type: none"> -Till Plain - Transect and several notes support Sebewa. Also Sebewa joins from Fulton County and supports Sebewa. -Tippecanoe River East Outwash - Pulaski County notes and lab data and correlation notes from Fulton County support Sebewa. <p>Formerly Wt--Westland silt loam, moderately deep</p> <ul style="list-style-type: none"> -Till Plain and Tippecanoe River East Outwash Plain - Notes and data from adjoining Fulton County support Sebewa. <p>23 August 1999, written by RAB, input by SLM</p>
SdzCB	Selfridge-Brems loamy fine sands, 1 to 4 percent slopes	<p>Formerly AdB-Ade loamy fine sand, 2 to 6 percent slopes</p> <ul style="list-style-type: none"> -Transects in the bedrock area support Loamy Aquic Arenic Hapludalfs over till. <p>This soil is a minor component (less than 150 Ac.) in the bedrock and lacustrine areas.</p> <ul style="list-style-type: none"> -Transects show this soil would be best correlated to Selfridge-Brems complex in the lacustrine area. <p>Formerly BcB-Berrien loamy fine sand, 2 to 6 percent slopes</p> <ul style="list-style-type: none"> -Till Plain transects support Selfridge - Brems complex <p>Formerly BmA-Bronson sandy loam, 0 to 2 percent slopes</p> <ul style="list-style-type: none"> -Transects show that Bronson best fits the Selfridge-Morocco complex in the bedrock area. Less than 20 Ac. <p>Formerly M1B-Metea loamy fine sand, 2 to 6 percent slopes</p> <ul style="list-style-type: none"> -Transects support correlating to Selfridge-Brems in the bedrock area. Minor soil, Fine-Loamy Mollic Epiaqualfs. <p>23 August 1999, written by RAB, input by SLM</p> <p>Surface texture for this complex will be loamy fine sand.</p> <p>09 September 1999. SLM</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
SgZA	Selfridge loamy fine sand, 0 to 1 percent slopes	<p>Formerly AuA--Aubbeenaubbee fine sandy loam, 0 to 2 percent slopes</p> <p>-Till plain - Transects support Selfridge with inclusions of Aubbeenaubbee.</p> <p>23 August 1999, written by RAB, input by SLM</p>
ShaA	Selfridge-Morocco loamy fine sands, 0 to 1 percent slopes	<p>Formerly AuA--Aubbeenaubbee fine sandy loam, 0 to 2 percent slopes</p> <p>-The transect in the lacustrine area shows this unit to be predominantly Aquic Udipsammets with a lacustrine substratum. This soil is of very minor extent less than 10 Ac.</p>
SmsAK		<p>Formerly Bd--Brady fine sandy loam</p> <p>-Transects in the bedrock area support loamy fine sand</p> <p>surface, and a complex of Selfridge and Morocco, slopes are 0 to 1 percent.</p> <p>Formerly Bf--Brady loamy fine sand</p> <p>-Transects in the bedrock area support loamy fine sand surface, and a complex of Selfridge and Morocco, slopes are 0 to 1 percent.</p> <p>Formerly ChA--Chelsea fine sand, 0 to 2 percent slopes</p> <p>-Transects support wet substratum Typic Udipsamment. 4 Ac. in the bedrock area and has a till substratum, it is best correlated with a loamy substratum soil.</p>
Sn1A		<p>Formerly M1A--Metea loamy fine sand, 0 to 2 percent slopes</p> <p>-Transects support correlating to Selfridge-Brems in the bedrock area. Minor soil in the bedrock area.</p> <p>23 August 1999, written by RAB, input by SLM</p>
Sw1A		<p>Formerly Ss--Sloan silt loam, calcareous variant</p> <p>-Lacustrine - Big Monon - Small acreage in Pulaski County. 2 transects support Sloan with Suman inclusions, fine silty inclusions and areas that have carbonates on the surface. Sloan joins Cohoctah in White County. Transect was made at county line on Pulaski side. It supports Sloan. When White the Cohoctah unit it joins.</p> <p>23 August 1999, written by RAB, input by SLM</p>
		<p>Formerly Wh--Washtenaw silt loam</p> <p>-Till Plain - Transect supports fine-silty with inclusions of fine-loamy.</p> <p>23 August 1999, written by RAB, input by SLM</p>
		<p>Formerly BaA--Blount loam, 0 to 2 percent slopes</p> <p>-Transects show Blount can be found in the lacustrine area, at 0 to 1 percent slopes. 2 transects indicate Fine Udolic</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
	Epiqualfs.	<p>However, due to small acreage it was correlated to Strole silt loam, 0 to 1 percent slopes.</p> <p>Formerly Su--Strole silt loam -Transects support the Strole silt loam unit in the lacustrine area.</p> <p>Formerly CSa--Crosby fine sandy loam, 0 to 2 percent slopes -Transects support correlating to Strole silt loam in the lacustrine area.</p> <p>Formerly Cta--Crosby loam, 0 to 2 percent slopes -Transects support correlating to Strole silt loam in the lacustrine area. Using OSD pedon.</p> <p>Formerly CeA--Celina loam, 0 to 2 percent slopes -Transects support Fine Mollic Epiqualf in the lacustrine area. Using OSD pedon.</p> <p>Formerly CoA--Corwin loam, 0 to 2 percent slopes -Transects support correlating Corwin to Strole silt loam in the lacustrine area. Less than 25 Ac.</p> <p>Formerly SeB--Seward loamy fine sand, 2 to 6 percent slopes -This soil is not mapped in the bedrock area -170 Ac. in the lacustrine area. Transects show very little sand on the surface and lacks a mollic epipedon. Included with Strole.</p>
		<p>23 August 1999, written by RAB, input by SLM</p> <p>Formerly Hp--Hooperston fine sandy loam -Transects support correlating to Hangingrove sandy loam in the bedrock area. 780 acres are mapped in Jasper Co. joining Pulaski Co. Approximately 100 acres mapped in the bedrock area in Pulaski Co. Grovectomy in Jasper Co. fits except limestone fragments in the substratum. Propose a new series Hangingrove that includes soils in Pulaski and Jasper Counties.</p> <p>20 August 1999, written by RAB, input by SLM</p> <p>Toto soils were not recognized on the 1968 Pulaski County Soil Survey legend. During the update process and the subsequent mapping of all soils derived from organic material, Toto was found and mapped.</p> <p>23 August 1999 SLM</p>
SwxA	Sumava fine sandy loam, 0 to 1 percent slopes	
TmaAN	Toto muck, drained, 0 to 1 percent slopes	
UbRA	Udorthents, Clayey, 0 to 1 percent slopes	<p>Formerly Cl--Clay pits -This soil was not mapped in the bedrock area. -There are only 3 map units of this soil mapped, each unit was assessed. 2 units have been filled and included with</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
WmgA	Whiskerville-Bronson fine sandy loams, 0 to 1 percent slopes	<p>Udorthents.</p> <p>The remaining unit was mapped as water with Udorthents around the edges.</p> <p>23 August 1999, written by RAB, input by SLM</p> <p>Formerly CrB2--Corwin silt loam, 2 to 6 percent slopes</p> <p>-Field observation supports 1 to 4 percent slope range in the lacustrine area, however, as a result of small acreage it will be correlated to 0 to 1 percent slopes.</p> <p>-Field observations support correlating Corwin to the new Bronson lacustrine substratum (Whiskerville) and complex with Bronson in the lacustrine area. Less than 8 Ac. mapped in the lacustrine area. Using Bronson OSD.</p> <p>Formerly Ff--Foresman fine sandy loam, sandy variant -Transects support a complex in the lacustrine area and Foresman is correlated to Bronson-Whiskerville complex. Using Bronson OSD pedon.</p> <p>Formerly MlB--Metea loamy fine sand, 2 to 6 percent slopes -Minor soil in lacustrine area, 2 transects. Atlas sheet 25 supports Blount, sandy loam, lacustrine substratum. Sec. 7, sheet 25 was changed to BAA. Section 34, sheet 18 supports Metea, wet, lacustrine substratum. Using Bronson OSD pedon. Formerly OfA--Oshtemo fine sandy loam, loamy substratum, 0 to 2 percent slopes</p> <p>-2 transects completed in the lacustrine area support Coarse-Loamy Aquic Hapludalf in a complex with lacustrine substratum and a surface texture of fine sandy loam.</p> <p>Formerly OmA--Oshtemo loamy fine sand, loamy substratum, 0 to 2 percent slopes</p> <p>-1 transect completed in the lacustrine area and supports Coarse-Loamy aquic Hapludalf, lacustrine substratum with a loamy fine sand surface, complexed with Bronson.</p> <p>23 August 1999, written by RAB, input by SLM</p>
Wmia	Whitepost-Gilford fine sandy loams, 0 to 1 percent slopes	<p>Formerly Gf--Gilford fine sandy loam</p> <p>-Transects support correlating to a new Gilford, lacustrine substratum soil, fine sandy loam surface</p> <p>(Whitepost) in a complex with Gilford where the lacustrine materials is below 80".</p> <p>Formerly Gm--Gilford loam</p> <p>-Transects in the lacustrine substratum soil, fine sandy loam</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
Mapunit symbol	Mapunit Name	Mapunit text notes
WoEB		<p>surface (Whitepost) in a complex with Gilford where the lacustrine materials is below 80".</p> <p>Formerly Ma--Maumee fine sandy loam -Transects support correlating to a new Gilford, lacustrine substratum soil in the lacustrine area (Whitepost) in a complex with Gilford.</p> <p>Formerly Md--Maumee fine sandy loam, ferruginous variant -This soil was not mapped in the bedrock area. -1 map unit in the lacustrine area, 8 acres. No transects completed on the 8 acres. Correlated to Whitepost-Gilford.</p> <p>Formerly Me--Maumee loamy fine sand -This soil was not mapped in the bedrock area. -Transects in the lacustrine area support correlating to a fine sandy loamy surface, coarse-loamy Typic Endoaquoll, 0-1% slopes mapped</p> <p>Formerly Mf--Maumee mucky fine sandy loam -This soil was not mapped in the bedrock area. -Transects support correlating to a new Gilford, lacustrine substratum soil in the lacustrine area, loam surface in a complex with Gilford. Less than 10 Ac. (Whitepost).</p> <p>Formerly Nf--Newton loamy fine sand -2 transects completed in the lacustrine area. Transects support Gilford lacustrine substratum (Whitepost) in a complex with Gilford. 23 August 1999, written by RAB, input by SLM</p> <p>Formerly Cb2--Celina fine sandy loam, 2 to 6 percent slopes, moderately eroded -In the lacustrine area, transects support Fine Aquic Rapludalf. Transects also support 2 to 6% slopes. Less than 10 Ac. However, due to small acreage, it was correlated to Williamstown-Crosier complex, 1 to 5 percent slopes. -1 transect in the only map unit in the outwash area (AS 10) supports Celina loam, MU. changed to Celina loam. -Till Plain transects support complex of Williamstown-Crosier, 1 to 5 percent slopes.</p> <p>Formerly CEB2--Celina loam, 2 to 6 percent slopes, moderately eroded -This soil was not mapped in the bedrock area.</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
		<p>-Lacustrine transects support complex of fine Aquic Hapludalf and Aeric Epiaqualf. Transects also support 1 to 6% slopes. Due to small acreages, less than 15 acres, correlated to Williamstown-Crosier complex, 1 to 5 percent slopes. Using OSD pedon.</p> <p>Formerly CrB2--Corwin silt loam, 2 to 6 percent slopes -Till Plain - only map unit on sheet No. 55 checked and remapped Williamstown (CeB2).</p> <p>Formerly MmB--Miami fine sandy loam, 2 to 6 percent slopes -This soil was not mapped in the bedrock area.</p> <p>-Transects support Williamstown, lacustrine substratum - correlated to Williamstown - Crosier complex in the lacustrine area. Less than 25 Acres.</p> <p>Formerly MoC3--Miami soils, 6 to 12 percent slopes, severely eroded</p> <p>-This soil was not mapped in the bedrock area.</p> <p>-Transects support fine Aquolic Hapludalf. Transects also support 2 to 6% slopes. Less than 7 Acres. This unit fits Glynwood, however, correlated to Williamstown - Crosier complex, 1 to 5 percent slopes - because of very small acreage.</p> <p>23 August 1999, written by RAB, input by SLM</p> <p>Formerly CeA--Celina loam, 0 to 2 percent slopes -Transects support Fine-Loamy Aquic Hapludalfs in the bedrock area.</p> <p>-Outwash Plain - Transects support Williamstown with sandy loam surface in complex with Crosier; less than 50 acres included with Williamstown fine sandy loam.</p> <p>-Till Plain transects support fine loamy Aquic Hapludalf. Include with fine sandy loam map unit , 0 to 2 percent slopes.</p> <p>Formerly MmA--Miami fine sandy loam, 0 to 2 percent slopes -This soil was not mapped in the bedrock area.</p> <p>-Transects support Williamstown, lacustrine substratum correlated to Williamstown in the lacustrine area. Less than 10 Ac.</p> <p>-Outwash Plain - less than 10 acres. One transect supports Williamstown-Crosier complex. Include with Williamstown 0 to 2 percent slopes.</p> <p>23 August 1999, written by RAB, input by SLM</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
WoxA	Williamstown-Winamac fine sandy loams, 0 to 1 percent slopes	<p>Formerly OfA--Oshtemo fine sandy loam, loamy substratum, 0 to 2 percent slopes.</p> <ul style="list-style-type: none"> -Outwash Plain - A.S. 5, 21, 29, & 44. Transects (OfAsa) support Brems-Morocco complex (See M.U. Distribution Map). -Outwash Plain - All other Atlas Sheets - Transects (OFA) showed variable depths of sandy materials. Correlate to Williamstown-Winamac complex with inclusions of Bronson. (See M.U.Distribution Map). Formerly OmA--Oshtemo loamy fine sand, loamy substratum, 0 to 2 percent slopes. -Outwash Plain - A.S. 5, 21, 60. Transects (OmAsa) support Brems-Morocco complex (See M.U. Distribution Map). -Outwash Plain - Other A.Sheets (OMA) small acreage include with OFA (See M. U. Distribution Map). <p>23 August 1999, written by RAB, input by SLM</p>
WoxB	Williamstown-Winamac fine sandy loams, 1 to 5 percent slopes	<p>Formerly OfB--Oshtemo fine sandy loam, loamy substratum, 2 to 6 percent slopes</p> <ul style="list-style-type: none"> -Outwash Plain - No transects completed, but several soil notes support coarse loamy Aquic Hapludalfs with a till substratum with variable depths of coarse loamy and sandy materials. Williamstown-Winamac complex, 1 to 4 percent slopes. <p>Formerly OmB--Oshtemo loamy fine sand, loamy substratum, 2 to 6 percent slopes</p> <ul style="list-style-type: none"> -Outwash Plain - Transects support Williamstown-Winamac complex with sandy loam surface. <p>23 August 1999, written by RAB, input by SLM</p>
WpaA	Winamac-Bronson fine sandy loams, 0 to 1 percent slopes	<p>Formerly BgA--Bronson loamy sand, 0 to 2 percent slopes</p> <ul style="list-style-type: none"> Till Plain transects support Bronson till substratum-Bronson complex with loamy fine sand surface. <p>Formerly BrA--Bronson sandy loam, 0 to 2 percent slopes</p> <ul style="list-style-type: none"> Till Plain transects support Bronson till substratum-Bronson Complex with loamy fine sand surface texture. <p>23 August 1999, written by RAB, input by SLM</p>
WpbA	Winamac fine sandy loam, 0 to 1 percent slopes	<p>Formerly Ff--Foreman fine sandy loam, sandy variant</p> <ul style="list-style-type: none"> -Transects and several soil borings in the bedrock area support a Coarse Loamy Aquic Hapludalf with a LFS surface (Winamac). Lab data from pedon S98IN-131-006 supports a fine sandy loam surface. Foreman in the Bedrock Area is correlated to the new Bronson, loamy substratum soil (Winamac). <p>Formerly OfA--Oshtemo fine sandy loam, loamy substratum, 0 to 2 percent slopes</p>

Mapunit symbol	Mapunit Name	Mapunit text notes
		<p>-60 Ac. in the bedrock area, 1 transect completed and several borings made supports CL Aquollic Hapludalf, Loamy Bronson, loamy substratum soil. Will correlate to the new Formerly Oma-Oshtemo loamy fine sand, loamy substratum, 0 to 2 percent slopes</p> <p>-90 Ac. in bedrock area, 1 transect and several soil borings and support Coarse-Loamy aquic Hapludalf with loamy fine sand</p> <p>surface. Will correlate to the new Bronson, loamy substratum soil (Winamac).</p> <p>23 August 1999, written by RAB, input by SLM</p>
WpbB	Winamac fine sandy loam, 1 to 5 percent slopes	<p>Formerly OfB-Oshtemo fine sandy loam, loamy substratum, 2 to 6 percent slopes</p> <p>-3 Ac. in the bedrock area, no transects completed. Will correlate to the new Bronson, loamy substratum soil (Winamac).</p> <p>Formerly OmB-Oshtemo loamy fine sand, loamy substratum, 2 to 6 percent slopes</p> <p>-30 Ac. in the bedrock area, transects and several soil borings support CL Aquic Hapludalf. Will correlate to the new Bronson,</p> <p>loamy substratum soil (Winamac).</p>
WrxAN	Wunabuna silt loam, drained, 0 to 1 percent slopes	<p>Formerly Wa-Wallkill silt loam</p> <p>-Wallkill silt loam was not mapped in the bedrock area.</p> <p>-The unit transected in the lacustrine area was Warners.</p> <p>Other map units in the area fit the Wunabuna series. Less than 40 acres mapped in the lacustrine area. These soils will be correlated with the Wunabuna soils in the till plain areas.</p> <p>-Till Plain - Transects support Wunabuna with inclusions of Wallkill, Histosols and other Aquolls.</p> <p>23 August 1999, written by RAB, input by SLM</p>