Copy

CLASSIFICATION AND CORRELATION

OF

THE SOILS OF

WABASH COUNTY
INDIANA

JULY 1980

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
MIDWEST TECHNICAL SERVICE CENTER
LINCOLN, NEBRASKA

UNITED STATES DEPARTMENT OF AGRICULTURE
Soil Conservation Service
Midwest Technical Service Center
Lincoln, Nebraska 68501

Classification and Correlation of the Soils of Wabash County, Indiana

A correlation conference was held in the MTSC the week of January 28, 1980. Participating in this conference were Don Ruesch, party leader; Dave Van Houten, state soil specialist; and G. J. Post, soil correlator. Material available and used in making this correlation was the field correlation, draft of the manuscript, correlation samples, field notes, county laboratory data, and the soil survey field sheets. G. J. Post participated in the comprehensive field review the week of October 2-6, 1978.

Map symbols consist of a combination of letters or of letters and numbers. The first capital letter is the initial one of the map unit name. The lowercase letter that follows separates map units having names that begin with the same letter, except it does not separate sloping or eroded phases. The second capital letter indicates the class of slope. Symbols without a slope letter are for nearly level soils or miscellaneous areas. A final number of 2 indicates that the soil is eroded and 3 that it is severely eroded.

SOIL CORRELATION OF
WABASH COUNTY, INDIANA
FEBRUARY 1980

Field symbols	Field mapping unit name	Publi-cation symbol	Approved mapping unit name
BtA	Blount silt loam, 0 to 2 percent slopes	BaA	Blount silt loam, 0 to 2 percent slopes
BaB2	Blount silt loam, 1 to 4 percent slopes, eroded	BaB2	Blount silt loam, 1 to 4 percent slopes, eroded
Br	Brookston silt loam	Br	Brookston loam
ChC, ChB	Chelsea loamy fine sand, 6 to 18 percent slopes	ChC	Chelsea fine sand, 4 to 15 percent slopes
CrA	Crosby silt loam, 0 to 3 percent slopes	CrA	Crosby silt loam, 0 to 3 percent slopes
CsA	Crosier loam, 0 to 3 percent slopes	CsA	Crosier loam, 0 to 3 percent slopes
Tr, Bs	Treaty silt loam	Cy	Cyclone silt loam
Fn	Fincastle silt loam, 0 to 2 percent slopes	FnA	Fincastle silt loam, 0 to 2 percent slopes
FsA	Fox loam, 0 to 2 percent slopes	FsA	Fox loam, 0 to 2 percent slopes
FsB2	Fox loam, 2 to 6 percent slopes, eroded	FsB2	Fox loam, 2 to 6 percent slopes, eroded
FsC2, OcC2	Fox loam, 6 to 12 percent slopes, eroded	FsC2	Fox loam, 6 to 12 percent slopes, eroded
FsD2, FsE2	Fox loam, 12 to 20 percent slopes, eroded	FsD2	Fox loam, 12 to 20 percent slopes, eroded
FtC3	Fox clay loam, 6 to 12 percent slopes, severely eroded	FtC3	Fox clay loam, 6 to 12 percent slopes, severely eroded

Field symbols	Field mapping unit name	Publi-cation symbol	Approved mapping unit name
FtD3, FtE3	Fox clay loam, 12 to 18 percent slopes, severely eroded	FtD3	Fox clay loam, 12 to 18 percent slopes, severely eroded
Ge	Genesee silt loam	Ge	Genesee loam, occasionally flooded
MvB2	Morley silt loam, 4 to 7 percent slopes, eroded	GnB2	Glynwood silt loam, 4 to 7 percent slopes, eroded
MxC3	Morley clay loam, 5 to 12 percent slopes, severely eroded	GoC3	Glynwood clay loam, 5 to 12 percent slopes, severely eroded
HaA	Haskins loam, 0 to 3 percent slopes	HaA	Haskins loam, 0 to 3 percent slopes
HeG	Hennepin loam, 25 to 50 percent slopes	HeG	Hennepin loam, 25 to 50 percent slopes
Ho, Sm	Homer loam	Ho	Homer loam
Ht	Houghton muck, undrained	Ht	Houghton muck, undrained
Hx	Houghton muck, drained	Hx	Houghton muck, drained
ObA, OsA	Ockley sandy loam, 0 to 2 percent slopes	KaA	Kalamazoo sandy loam, 0 to 2 percent slopes
ObB, OsB	Ockley sandy loam, 2 to 6 percent slopes	KaB	Kalamazoo sandy loam, 2 to 6 percent slopes
FoA	Fox sandy loam, 0 to 2 percent slopes	KsA	Kosciusko sandy loam, 0 to 2 percent slopes
FoB	Fox sandy loam, 2 to 6 percent slopes	KsB	Kosciusko sandy loam, 2 to 6 percent slopes

Field symbols	Field mapping unit name	Publi-cation symbol	Approved mapping unit name
FoC	Fox sandy loam, 6 to 12 percent slopes	KsC	Kosciusko sandy loam, 6 to 12 percent slopes
MbA	Martinsville loam, 0 to 2 percent slopes	MbA	Martinsville loam, 0 to 2 percent slopes
MbB2, Gh	Martinsville loam, 2 to 6 percent slopes, eroded	MbB	Martinsville loam, 2 to 6 percent slopes
MbC2	Martinsville loam, 6 to 12 percent slopes, eroded	MbC2	Martinsville loam, 6 to 12 percent slopes, eroded
Md	Martisco muck	Md	Martisco muck, sandy substratum
MeB	Metea loamy fine sand, 2 to 6 percent slopes	MeB	Metea loamy sand, 2 to 6 percent slopes
MeC	Metea loamy fine sand, 6 to 12 percent slopes	MeC	Metea loamy sand, 6 to 12 percent slopes
MfB2	Miami loam, 2 to 6 percent slopes, eroded	MfB2	Miami loam, 2 to 6 percent slopes, eroded
MfC2	Miami loam, 6 to 12 percent slopes, eroded	MfC2	Miami loam, 6 to 12 percent slopes, eroded
MfD2	Miami loam, 12 to 18 percent slopes, eroded	MfD2	Miami loam, 12 to 18 percent slopes, eroded
MfE2	Miami loam, 18 to 25 percent slopes, eroded	MfE2	Miami loam, 18 to 25 percent slopes, eroded
MhB2	Miami silt loam, 2 to 6 percent slopes, eroded	MhB2	Miami silt loam, 2 to 6 percent slopes, eroded

Prefer
mod. perm. substratum
mod. perm substratum

WABASH COUNTY, INDIANA --Continued

Field symbols	Field mapping unit name	Publi-cation symbol	Approved mapping unit name
MhC2	Miami silt loam, 6 to 12 percent slopes, eroded	MhC2	Miami silt loam, 6 to 12 percent slopes, eroded
MkC3	Miami clay loam, 6 to 12 percent slopes, severely eroded	MkC3	Miami clay loam, 6 to 12 percent slopes, severely eroded
MkD3	Miami clay loam, 12 to 25 percent slopes, severely eroded	MkD3	Miami clay loam, 12 to 25 percent slopes, severely eroded
MkC3	Miami clay loam, 6 to 12 percent slopes, severely eroded	MlC3	Miami clay loam, moderately permeable substratum, 6 to 12 percent slopes, severely eroded
Mm	Milford silty clay loam	Mm	Milford silty clay loam
Mp	Millsdale silty clay loam	Mp	Millsdale silty clay loam
MsA	Milton silt loam, 0 to 2 percent slopes	MsA	Milton silt loam, 0 to 2 percent slopes
MsB2	Milton silt loam, 2 to 6 percent slopes, eroded	MsB2	Milton silt loam, 2 to 6 percent slopes, eroded
MsC2	Milton silt loam, 6 to 12 percent slopes, eroded	MsC2	Milton silt loam, 6 to 12 percent slopes, eroded
MtG	Milton Variant, 25 to 100 percent slopes	MtG	Milton Variant silt loam, 30 to 70 percent slopes
MvC2	Morley silt loam, 7 to 12 percent slopes, eroded	MvC2	Morley silt loam, 7 to 12 percent slopes, eroded

Field symbols	Field mapping unit name	Publication symbol	Approved mapping unit name
MvD2	Morley silt loam, 12 to 18 percent slopes, eroded	MvD2	Morley silt loam, 12 to 18 percent slopes, eroded
MvE2	Morley silt loam, 18 to 25 percent slopes, eroded	MvE2	Morley silt loam, 18 to 25 percent slopes, eroded
MxD3	Morley clay loam, 12 to 25 percent slopes, severely eroded	MxD3	Morley clay loam, 12 to 25 percent slopes, severely eroded
OcA	Ockley loam, 0 to 2 percent slopes	OcA	Ockley loam, 0 to 2 percent slopes
OcB2	Ockley loam, 2 to 6 percent slopes, eroded	OcB2	Ockley loam, 2 to 6 percent slopes, eroded
OmA, OtA	Ormas loamy sand, 0 to 2 percent slopes	OmA	Ormas loamy sand, 0 to 2 percent slopes
OmB, OtB	Ormas loamy sand, 2 to 6 percent slopes	OmB	Ormas loamy sand, 2 to 6 percent slopes
OsC, OtC	Oshtemo sandy loam, 6 to 15 percent slopes	OmC	Ormas loamy sand, 6 to 15 percent slopes
Or	Orthents, loamy	Or	Orthents, loamy
Pa	Palms muck	Pa	Palms muck, undrained
Pm	Palms muck, drained	Pm	Palms muck, drained
Am	Adrian muck	Pp	Palms Variant muck, drained
Pt	Patton silty clay loam	Pt	Pella silty clay loam
Pw	Pewamo silty clay loam	Pw	Pewamo silty clay loam
Gp	Gravel pit	Px	Pits, gravel

Field symbols	Field mapping unit name	Publi-cation symbol	Approved mapping unit name
Qu	Quarry	Py	Pits, quarry
Ra	Randolph silt loam	RaA	Randolph silt loam, 0 to 2 percent slopes
RcA	Rawson sandy loam, 0 to 2 percent slopes	RcA	Rawson sandy loam, 0 to 2 percent slopes
RcB2	Rawson sandy loam, 2 to 6 percent slopes, eroded	RcB2	Rawson sandy loam, 2 to 6 percent slopes, eroded
RcC2	Rawson sandy loam, 6 to 12 percent slopes, eroded	RcC2	Rawson sandy loam, 6 to 12 percent slopes, eroded
Re	Rensselaer silt loam	Re	Rensselaer loam
RhA	Riddles loam, 0 to 2 percent slopes	RhA	Riddles loam, 0 to 2 percent slopes
RhB2	Riddles loam, 2 to 6 percent slopes, eroded	RhB2	Riddles loam, 2 to 6 percent slopes, eroded
RhC2	Riddles loam, 6 to 12 percent slopes, eroded	RhC2	Riddles loam, 6 to 12 percent slopes, eroded
RmG	Rodman gravelly loam, 25 to 75 percent slopes	RmG	Rodman gravelly loam, 25 to 50 percent slopes
Se	Sebewa loam	Se	Sebewa loam
Sf, Aq	Sebewa-Milford complex, 0 to 4 percent slopes	Sf	Sebewa-Milford complex
Sh	Shoals silt loam	Sh	Shoals silt loam, occasionally flooded
So	Sloan silt loam	So	Sloan silty clay loam, frequently flooded

WABASH COUNTY, INDIANA --Continued

Field symbols	Field mapping unit name	Publi-cation symbol	Approved mapping unit name
Wc	Wallkill silt loam	Wc	Wallkill silt loam
Wh	Washtenaw silt loam	Wh	Washtenaw silt loam
Ws	Westland loam	Ws	Westland loam
Wt	Whitaker loam	Wt	Whitaker loam

Wabash County, Indiana

Series established by this correlation:

None

Series dropped or made inactive:

None

Certification Statement:
The state soil scientist has certified that the mapping is complete and that both the detailed maps and the general soil map are adequately joined to the surrounding completed surveys. The state soil scientist further certifies that all representative pedons are located in a mapped area of the named soil and that all interpretations are coordinated.

Verification of exact cooperator names:

A. Outside front cover:

United States Department of Agriculture
Soil Conservation Service
in cooperation with
Purdue University
Agricultural Experiment Station
and
Indiana Department of Natural Resources
Soil and Water Conservation Committee

B. Inside front cover:

This survey was made cooperatively by the Soil Conservation Service, Purdue University Agricultural Experiment Station, and the Soil and Water Conservation Committee, Indiana Department of Natural Resources. It is part of the technical assistance furnished to the Wabash County Soil and Water Conservation District. Financial assistance was made available by the Board of County Commissioners of Wabash County.

Disposition of Field Sheets:
The original field sheets are retained by the state and will be used in the map compilation and finishing procedure.

Prior Soil Survey Publications:
None

Instructions for Map Compilation and Map Finishing:
The symbols on the following conventional and special symbols legend are those that will be used in map finishing.

Wabash County, Indiana

Prime Farmland Units:
The following map units meet the soil requirements for prime farmland:

BaA	Blount silt loam, 0 to 2 percent slopes (where drained)
BaB2	Blount silt loam, 1 to 4 percent slopes, eroded (where drained)
Br	Brookston loam (where drained)
CrA	Crosby silt loam 0 to 3 percent slopes (where drained)
CsA	Crosier loam, 0 to 3 percent slopes (where drained)
Cy	Cyclone silt loam (where drained)
FnA	Fincastle silt loam, 0 to 2 percent slopes (where drained)
FsA	Fox loam, 0 to 2 percent slopes
FsB2	Fox loam, 2 to 6 percent slopes, eroded
Ge	Genesee loam, occasionally flooded (where adequately protected from flooding)
HaA	Haskins loam, 0 to 3 percent slopes (where drained)
Ho	Homer loam (where drained)
KaA	Kalamazoo sandy loam, 0 to 2 percent slopes
KaB	Kalamazoo sandy loam, 2 to 6 percent slopes
KsA	Kosciusko sandy loam, 0 to 2 percent slopes
KsB	Kosciusko sandy loam, 2 to 6 percent slopes
MbA	Martinsville loam, 0 to 2 percent slopes
MbB	Martinsville loam, 2 to 6 percent slopes
MeB	Metea loamy sand, 2 to 6 percent slopes
MfB2	Miami loam, 2 to 6 percent slopes, eroded
MhB2	Miami silt loam, 2 to 6 percent slopes, eroded
Mm	Milford silty clay loam (where drained)
Mp	Millsdale silty clay loam (where drained)
MsA	Milton silt loam, 0 to 2 percent slopes
MsB2	Milton silt loam, 2 to 6 percent slopes, eroded
OcA	Ockley loam, 0 to 2 percent slopes
OcB2	Ockley loam, 2 to 6 percent slopes, eroded
Pt	Pella silty clay loam (where drained)
Pw	Pewamo silty clay loam (where drained)
RaA	Randolph silt loam, 0 to 2 percent slopes (where drained)
RcA	Rawson sandy loam, 0 to 2 percent slopes
RcB2	Rawson sandy loam, 2 to 6 percent slopes
Re	Rensselaer loam (where drained)
RhA	Riddles loam, 0 to 2 percent slopes
RhB2	Riddles loam, 2 to 6 percent slopes, eroded
Se	Sebewa loam (where drained)
Sf	Sebewa-Milford complex (where drained)
Sh	Shoals silt loam, occasionally flooded (where drained and adequately protected from flooding)
Wh	Washtenaw silt loam (where drained and adequately protected from flooding)
Ws	Westland loam (where drained)
Wt	Whitaker loam (where drained)

SCS-SOI.S-37A
3-75

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Soil Survey Area: Wabash County
State: Indiana

Date: _____

CULTURAL FEATURES

BOUNDARIES

County or parish

Minor civil division

Field sheet matchline & neatline

AD HOC BOUNDARY (label)

Small airport, airfield, park, oilfield, cemetery, or flood pool

STATE COORDINATE TICK
1 890 000 FEET

LAND DIVISION CORNERS
(sections and land grants)

ROADS

Divided (median shown if scale permits)

County, farm or ranch

ROAD EMBLEMS & DESIGNATIONS

Federal 287

State 52

RAILROAD

DAMS

Large (to scale)

Medium or small

PITS

Gravel pit

Mine or quarry

CULTURAL FEATURES (cont.)

MISCELLANEOUS CULTURAL FEATURES

Farmstead, house (omit in urban areas)

Church

School

Wells, oil or gas

WATER FEATURES

DRAINAGE

Perennial, double line

Perennial, single line

Intermittent

Drainage end

Canals or ditches

Drainage and/or irrigation

LAKES, PONDS AND RESERVOIRS

Perennial water w

Intermittent intermittent int

MISCELLANEOUS WATER FEATURES

Marsh or swamp

Wet spot

SPECIAL SYMBOLS FOR SOIL SURVEY

SOIL DELINEATIONS AND SOIL SYMBOLS

ESCARPMENTS CeA FoB2

SHORT STEEP SLOPE

MISCELLANEOUS

Gravelly spot

Dumps and other similar non soil areas

Rock outcrop (includes sandstone and shale) V

Sandy spot

Severely eroded spot

RECOMMENDED AD HOC SOIL SYMBOLS

Muck spot ⊕

Small undrained areas #

Approved: July 1, 1980

Maurice Stout, Jr.
Head, Soils Staff
Midwest TSC

CONVERSION LEGEND FOR
WABASH COUNTY, INDIANA
FEBRUARY 1980

Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol	Field symbol	Publication symbol
Am	Pg	MhB2	MhB2	Re	Re		
Ag	Sf	MhC2	MhC2	RhA	RhA		
BaA	BaA	MkC3	MlC3	RhB2	RhB2		
BaB2	BaB2	MkC3	MkC3	RhC2	RhC2		
Br	Bt	MkD3	MkD3	RmG	RmG		
Bs	Cy	Mm	Mm	Se	Se		
ChB	ChC	Mp	Mp	Sf	Sf		
ChC	ChC	MsA	MsA	Sh	Sh		
CrA	CrA	MsB2	MsB2	Sm	Ho		
CsA	CsA	MsC2	MsC2	So	So		
Fn	FnA	MtG	MtG	Tr	Cy		
FoA	KsA	MvB2	GnB2	Wc	Wc		
FoB	KsB	MvC2	MvC2	Wh	Wh		
FoC	KsC	MvD2	MvD2	Ws	Ws		
FsA	FsA	MvE2	MvE2	Wt	Wt		
FsB2	FsB2	MxC3	GoC3				
FsC2	FsC2	MxD3	MxD3				
FsD2	FsD2	ObA	KaA				
FsE2	FsD2	ObB	KaB				
FtC3	FtC3	OcA	OcA				
FtD3	FtD3	OcB2	OcB2				
FtE3	FtD3	OcC2	FsC2				
Ge	Ge	OmA	OmA				
Gh	MbB	OmB	OmB				
Gp	Px	Or	Or				
HaA	HaA	OsA	KaA				
HeG	HeG	OsB	KaB				
Ho	Hb	OsC	OmC				
Ht	Ht	OtA	OmA				
Hx	Hx	OtB	OmB				
MbA	MbA	OtC	OmC				
MbB2	MbB	Pa	Pa				
MbC2	MbC2	Pm	Pm				
Md	Md	Pt	Pt				
MeB	MeB	Pw	Pw				
MeC	MeC	Qu	Py				
MfB2	MfB2	Ra	RaA				
MfC2	MfC2	RcA	RcA				
MfD2	MfD2	RcB2	RcB2				
MfE2	MfE2	RcC2	RcC2				

Wabash County, Indiana

CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY ANALYSIS

Laboratory Data--Purdue University

Sampled As	Sample No.	Publication Map Symbol	Approved Classification
Blount	S77IN169-7-(1-5)	BaB2	Blount
Brookston	S77IN169-16-(1-7)	Br	Brookston
Chelsea	S76IN169-3-(1-7)	ChC	Chelsea
Crosby	S77IN169-9-(1-5)	CrA	Crosby
Fincastle	S75IN169-10-(1-8)	FnA	Fincastle
Fox	S78IN169-9-(1-6)	FsA	Fox
Genesee	S77IN169-11-(1-4)	Ge	Genesee
Morley	S77IN169-5-(1-5)	GnB2	Glynwood
Haskins	S77IN169-6-(1-5)	HaA	Haskins
Hennepin	S77IN169-15-(1-3)	HeG	Hennepin
Homer	S78IN169-2-(1-7)	Ho	Homer
Oshtemo	S78IN169-14-(1-8)	KaA	Kalamazoo
Fox	S77IN169-10-(1-6)	KsB	Kosciusko
Miami	S77IN169-17-(1-6)	MfB2	Miami
Milford	S76IN169-6-(1-7)	Mm	Milford
Millsdale	S76IN169-11-(1-7)	Mp	Millsdale
Milton	S76IN169-1-(1-7)	MsA	Milton
Oshtemo	S78IN169-8-(1-7)	OmA	Ormas
Patton	S76IN169-4-(1-5)	Pt	Pella
Randolph	S76IN169-12-(1-7)	RaA	Randolph
Rensselaer	S76IN169-8-(1-8)	Re	Rensselaer
Shoals	S77IN169-3-(1-6)	Sh	Shoals
Sloan	S77IN169-8-(1-7)	So	Sloan
Westland	S78IN169-6-(1-7)	Ws	Westland
Whitaker	S77IN169-12-(1-7)	Wt	Whitaker

The above pedons are the representative profiles for these series for this survey area. Additional data are available, but much of it is partial data mostly on grab samples.

Notes to Accompany
Classification and Correlation
of the Soils of
Wabash County, Indiana

by
G. J. Post

BLOUNT SERIES
The reaction in the upper part of the B horizon is neutral rather than medium acid as is defined for the series. This difference is not considered serious enough to make this soil a taxadjunct.

CHELSEA SERIES
This soil is slightly browner in the solum than is defined for the series. This difference is not considered to be serious enough to make this soil a taxadjunct.

FOX SERIES
The A2 horizon is slightly browner than defined for the series. This difference is not considered serious enough to make this soil a taxadjunct.

HOMER SERIES
This soil is somewhat browner in the B horizon than is defined for the series. It classifies as an Aquic Hapludalf rather than an Aeric Ocharaqualf as the series is. Thus, it is considered to be a taxadjunct to the Homer series.

MIAMI SERIES
The Miami clay loam, 6 to 12 percent slopes, severely eroded mapping unit (MkC3) in the northwest part of the county (north of the Eel River) will be compiled on the finished maps as Miami clay loam, moderately permeable substratum, 6 to 12 percent slopes, severely eroded (M1C3). The Miami soil in this part of the county is more permeable in the substratum than it is in the rest of the county.

MILTON VARIANT
This soil differs from the Milton series by being in the loamy-skeletal textural family rather than fine. There are about 900 acres in this county, and there will likely not be need for this soil again.

PALMS VARIANT
This soil differs from the Palms series by being underlain with a silty layer at a depth of about 2-3 feet and under this with sand. There are only about 200 acres in this county, and there will likely not be any further need for this soil.

RODMAN SERIES
This soil has a slightly thinner mollic epipedon than is defined for the series. Thus, this soil is considered to be a taxadjunct to the Rodman series.

CLASSIFICATION OF THE SOILS

[An asterisk in the first column indicates a taxadjunct to the series. See notes for a description of those characteristics of this taxadjunct that are outside the range of the series]

Soil name	Family or higher taxonomic class
Blount	Fine, illitic, mesic Aeric Ochraqualfs
Brookston	Fine-loamy, mixed, mesic Typic Argiaquolls
Chelsea	Mixed, mesic Alfic Udipsamments
Crosby	Fine, mixed, mesic Aeric Ochraqualfs
Crosier	Fine-loamy, mixed, mesic Aeric Ochraqualfs
Cyclone	Fine-silty, mixed, mesic Typic Argiaquolls
Fincastle	Fine-silty, mixed, mesic Aeric Ochraqualfs
Fox	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Typic Hapludalfs
Genesee	Fine-loamy, mixed, nonacid, mesic Typic Udifluvents
Glynwood	Fine, illitic, mesic Aquic Hapludalfs
Haskins	Fine-loamy, mixed, mesic Aeric Ochraqualfs
Hennepin	Fine-loamy, mixed, mesic Typic Eutrochrepts
*Homer	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Aeric Ochraqualfs
Houghton	Euic, mesic Typic Medisaprists
Kalamazoo	Fine-loamy, mixed, mesic Typic Hapludalfs
Kosciusko	Fine-loamy, mixed, mesic Typic Hapludalfs
Martinsville	Fine-loamy, mixed, mesic Typic Hapludalfs
Martisco	Fine-silty, carbonatic, mesic Mistic Humaquepts
Metea	Loamy, mixed, mesic Arenic Hapludalfs
Miami	Fine-loamy, mixed, mesic Typic Hapludalfs
Milford	Fine, mixed, mesic Typic Haplaquolls
Millsdale	Fine, mixed, mesic Typic Argiaquolls
Milton	Fine, mixed, mesic Typic Hapludalfs
Milton Variant.	Loamy-skeletal, mixed, mesic Typic Eutrochrepts
Morley	Fine, illitic, mesic Typic Hapludalfs
Ockley	Fine-loamy, mixed, mesic Typic Hapludalfs
Ormas	Loamy, mixed, mesic Arenic Hapludalfs
Orthents.	Fine-loamy, mixed, mesic Udorthents
Palms	Loamy, mixed, euic, mesic Terric Medisaprists

CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
Palms Variant	Loamy over sandy, mixed, euic, mesic Terric Medisaprists
Pella	Fine-silty, mixed, mesic Typic Haplaquolls
Pewamo	Fine, mixed, mesic Typic Argiaquolls
Randolph	Fine, mixed, mesic Aeric Ochraqualfs
Rawson	Fine-loamy, mixed, mesic Typic Hapludalfs
Rensselaer	Fine-loamy, mixed, mesic Typic Argiaquolls
Riddles	Fine-loamy, mixed, mesic Typic Hapludalfs
*Rodman	Sandy-skeletal, mixed, mesic Typic Hapludolls
Sebewa	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Typic Argiaquolls
Shoals	Fine-loamy, mixed, nonacid, mesic Aeric Fluvaquents
Sloan	Fine-loamy, mixed, mesic Fluvaquentic Haplaquolls
Wallkill	Fine-loamy, mixed, nonacid, mesic Thapto-Histic Fluvaquents
Washtenaw	Fine-loamy, mixed, nonacid, mesic Aeric Fluvaquents
Westland	Fine-loamy, mixed, mesic Typic Argiaquolls
Whitaker	Fine-loamy, mixed, mesic Aeric Ochraqualfs