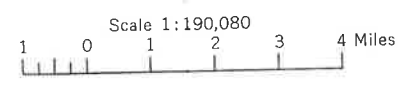


SOIL ASSOCIATIONS

- 1 Clermont-Avonburg association: Poorly drained and somewhat poorly drained, nearly level to gently sloping soils that formed in loess and Illinoian-age glacial till
- 2 Rossmoyne-Hickory-Fairmount association: Moderately well drained and well drained, gently sloping to steep soils that formed in silt-capped glacial till and in residual material
- 3 Russell-Miamian-Xenia-Wynn association: Well drained and moderately well drained, nearly level to sloping soils on the Wisconsin-age glacial till plain
- 4 Fincastle-Brookston association: Somewhat poorly drained and very poorly drained, nearly level or gently sloping soils on the Wisconsin-age glacial till plain
- 5 Genesee-Fox association: Well-drained, nearly level soils on flood plains and nearly level to moderately steep soils on Wisconsin-age glacial outwash terraces
- 6 Patton-Henshaw association: Very poorly drained and somewhat poorly drained, nearly level soils that formed in lacustrine sediments in formerly ponded areas

U. S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 OHIO DEPARTMENT OF NATURAL RESOURCES, DIVISION OF LANDS AND SOIL
 OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER

GENERAL SOIL MAP
WARREN COUNTY, OHIO



This map is for general planning. It shows only the major soils and does not contain sufficient detail for operational planning.

SOIL LEGEND

The first capital letter is the initial one of the soil name. A second capital letter, A, B, C, D, E, or F, shows the slope. Most symbols without a slope letter are those of nearly level soils, but some are for land types that have a considerable range in slope. A final number, 2 or 3, in the symbol shows that the soil is moderately eroded or severely eroded.

SYMBOL	NAME	SYMBOL	NAME
AbA	Abscota sand, calcareous variant	IvA	Iva silt loam, till substratum, 0 to 2 percent slopes
AfB	Alford silt loam, till substratum, 1 to 4 percent slopes	KeB	Kendallville loam, 2 to 6 percent slopes
Ag	Algiers silt loam	KeC2	Kendallville loam, 6 to 12 percent slopes, moderately eroded
AvA	Avonburg silt loam, 0 to 2 percent slopes	Kg	Kings silty clay loam, thick surface variant
AvB	Avonburg silt loam, 2 to 6 percent slopes	Lg	Lanier sandy loam
AvB2	Avonburg silt loam, 2 to 6 percent slopes, moderately eroded	MmB3	Miamian clay loam, 2 to 6 percent slopes, severely eroded
BbB	Birkbeck silt loam, 1 to 4 percent slopes	MmC3	Miamian clay loam, 6 to 12 percent slopes, severely eroded
Bc	Blanchester silt loam	MnD2	Miamian-Hennepin silt loams, 12 to 18 percent slopes, moderately eroded
Br	Brookston silty clay loam	MrC2	Miamian-Russell silt loams, 6 to 12 percent slopes, moderately eroded
CcB2	Casco loam, 2 to 6 percent slopes, moderately eroded	Mu	Muck
CcC2	Casco loam, 6 to 12 percent slopes, moderately eroded	OcA	Ockley silt loam, 0 to 2 percent slopes
CdD2	Casco-Rodman complex, 12 to 18 percent slopes, moderately eroded	OcB	Ockley silt loam, 2 to 6 percent slopes
CnB	Cincinnati silt loam, 2 to 6 percent slopes	OcB2	Ockley silt loam, 2 to 6 percent slopes, moderately eroded
CnB2	Cincinnati silt loam, 2 to 6 percent slopes, moderately eroded	PaB	Parke silt loam, 2 to 6 percent slopes
CnC2	Cincinnati silt loam, 6 to 12 percent slopes, moderately eroded	PaD2	Parke silt loam, 6 to 18 percent slopes, moderately eroded
Ca	Clermont silt loam	Pb	Patton silt loam, silted
CrB	Crider silt loam, 2 to 6 percent slopes	Pc	Patton silty clay loam
Cu	Cut and fill land	PIB	Plattville silt loam, 1 to 6 percent slopes
DaA	Dana silt loam, 0 to 2 percent slopes	PrB	Princeton fine sandy loam, 2 to 6 percent slopes
DaB	Dana silt loam, 2 to 6 percent slopes	PrC2	Princeton fine sandy loam, 6 to 12 percent slopes, moderately eroded
EdB2	Eden complex, 2 to 6 percent slopes, moderately eroded	Ra	Ragsdale silty clay loam
EdC2	Eden complex, 6 to 12 percent slopes, moderately eroded	RbA	Rainsboro silt loam, 0 to 2 percent slopes
EdD2	Eden complex, 12 to 18 percent slopes, moderately eroded	RbB	Rainsboro silt loam, 2 to 6 percent slopes
EdE2	Eden complex, 18 to 25 percent slopes, moderately eroded	Re	Reesville silt loam
EdF2	Eden complex, 25 to 35 percent slopes, moderately eroded	Rh	Riverwash
Ee	Eel loam	RkE2	Rodman and Casco gravelly loams, 18 to 25 percent slopes, moderately eroded
FaE2	Fairmount-Eden flaggy silty clay loams, 12 to 25 percent slopes, moderately eroded	Rn	Ross loam
FaF2	Fairmount-Eden flaggy silty clay loams, 25 to 50 percent slopes, moderately eroded	RpA	Rossmoyne silt loam, 0 to 2 percent slopes
FhA	Fincastle silt loam, 0 to 2 percent slopes	RpB	Rossmoyne silt loam, 2 to 6 percent slopes
FhB	Fincastle silt loam, 2 to 6 percent slopes	RpB2	Rossmoyne silt loam, 2 to 6 percent slopes, moderately eroded
FIA	Fox loam, 0 to 2 percent slopes	RpC2	Rossmoyne silt loam, 6 to 12 percent slopes, moderately eroded
FIB	Fox loam, 2 to 6 percent slopes	RsB3	Rossmoyne silty clay loam, 2 to 6 percent slopes, severely eroded
FIB2	Fox loam, 2 to 6 percent slopes, moderately eroded	RsC3	Rossmoyne silty clay loam, 6 to 12 percent slopes, severely eroded
FIC2	Fox loam, 6 to 12 percent slopes, moderately eroded	RvA	Russell-Miamian silt loams, 0 to 2 percent slopes
FoD2	Fox-Casco complex, 12 to 18 percent slopes, moderately eroded	RvB	Russell-Miamian silt loams, 2 to 6 percent slopes
Gd	Genesee fine sandy loam	RvB2	Russell-Miamian silt loams, 2 to 6 percent slopes, moderately eroded
Gn	Genesee loam	Sh	Shoals silt loam
Gp	Gravel pits	So	Sloan silty clay loam
HeF	Hennepin silt loam, 25 to 35 percent slopes	UnB	Uniontown silt loam, 1 to 6 percent slopes
HeF2	Hennepin silt loam, 25 to 35 percent slopes, moderately eroded	WaA	Warsaw loam, 0 to 2 percent slopes
HmE	Hennepin-Miamian silt loams, 18 to 25 percent slopes	WaB	Warsaw loam, 2 to 6 percent slopes
HmE2	Hennepin-Miamian silt loams, 18 to 25 percent slopes, moderately eroded	WeA	Wea silt loam, 0 to 2 percent slopes
HnD3	Hennepin-Miamian complex, 12 to 18 percent slopes, severely eroded	WIA	Williamsburg silt loam, 0 to 2 percent slopes
HoB	Henshaw silt loam, 1 to 4 percent slopes	WIB	Williamsburg silt loam, 2 to 6 percent slopes
HrB2	Hickory silt loam, 2 to 6 percent slopes, moderately eroded	WIC2	Williamsburg silt loam, 6 to 12 percent slopes, moderately eroded
HrC2	Hickory silt loam, 6 to 12 percent slopes, moderately eroded	WyB	Wynn silt loam, 2 to 6 percent slopes
HrD2	Hickory silt loam, 12 to 18 percent slopes, moderately eroded	WyB2	Wynn silt loam, 2 to 6 percent slopes, moderately eroded
HsC3	Hickory clay loam, 6 to 12 percent slopes, severely eroded	WyC2	Wynn silt loam, 6 to 12 percent slopes, moderately eroded
HsD3	Hickory clay loam, 12 to 18 percent slopes, severely eroded	WyC3	Wynn silt loam, 6 to 12 percent slopes, severely eroded
HtE2	Hickory-Fairmount complex, 18 to 25 percent slopes, moderately eroded	XeA	Xenia silt loam, 0 to 2 percent slopes
HtF2	Hickory-Fairmount complex, 25 to 50 percent slopes, moderately eroded	XeB	Xenia silt loam, 2 to 6 percent slopes
		XeB2	Xenia silt loam, 2 to 6 percent slopes, moderately eroded

WORKS AND STRUCTURES

Highways and roads	
Dual	
Good motor	
Poor motor	
Trail	
Highway markers	
National Interstate	
U. S.	
State or county	
Railroads	
Single track	
Multiple track	
Abandoned	
Bridges and crossings	
Road	
Trail	
Railroad	
Ferry	
Ford	
Grade	
R. R. over	
R. R. under	
Tunnel	
Buildings	
School	
Church	
Mine and quarry	
Gravel pit	
Power line	
Pipeline	
Cemetery	
Dams	
Levee	
Tanks	
Well, oil or gas	
Forest fire or lookout station	
Windmill	

CONVENTIONAL SIGNS

BOUNDARIES	
National or state	
County	
Reservation	
Land grant	
Small park, cemetery, airport	
Land survey division corners	
DRAINAGE	
Streams, double-line	
Perennial	
Intermittent	
Streams, single-line	
Perennial	
Intermittent	
Crossable with tillage implements	
Not crossable with tillage implements	
Unclassified	
Canals and ditches	
Lakes and ponds	
Perennial	
Intermittent	
Spring	
Marsh or swamp	
Wet spot	
Alluvial fan	
Drainage end	

SOIL SURVEY DATA

Soil boundary	
and symbol	
Gravel	
Stoniness	
Stony	
Very stony	
Rock outcrops	
Chert fragments	
Clay spot	
Sand spot	
Gumbo or scabby spot	
Made land	
Severely eroded spot	
Blowout, wind erosion	
Gully	

RELIEF

Escarpments	
Bedrock	
Other	
Prominent peak	
Depressions	
Crossable with tillage implements	
Not crossable with tillage implements	
Contains water most of the time	

Photobase from 1962 aerial photographs. 5,000-foot grid ticks based on Ohio plane coordinate system, south zone. 1927 North American datum.