

## Land Capability Classification

The land capability classification of map units in the survey area is shown in this table. This classification shows, in a general way, the suitability of soils for most kinds of field crops (United States Department of Agriculture, Soil Conservation Service, 1961). Crops that require special management are excluded. The soils are grouped according to their limitations for field crops, the risk of damage if they are used for crops, and the way they respond to management. The criteria used in grouping the soils do not include major and generally expensive landforming that would change slope, depth, or other characteristics of the soils, nor do they include possible but unlikely major reclamation projects. Capability classification is not a substitute for interpretations designed to show suitability and limitations of groups of soils for rangeland, for forestland, or for engineering purposes.

In the capability system, soils are generally grouped at three levels: capability class, subclass, and unit.

*Capability classes*, the broadest groups, are designated by the numbers 1 through 8. The numbers indicate progressively greater limitations and narrower choices for practical use. The classes are defined as follows:

- Class 1 soils have slight limitations that restrict their use.
- Class 2 soils have moderate limitations that restrict the choice of plants or that require moderate conservation practices.
- Class 3 soils have severe limitations that restrict the choice of plants or that require special conservation practices, or both.
- Class 4 soils have very severe limitations that restrict the choice of plants or that require very careful management, or both.
- Class 5 soils are subject to little or no erosion but have other limitations, impractical to remove, that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.
- Class 6 soils have severe limitations that make them generally unsuitable for cultivation and that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.
- Class 7 soils have very severe limitations that make them unsuitable for cultivation and that restrict their use mainly to grazing, forestland, or wildlife habitat.
- Class 8 soils and miscellaneous areas have limitations that preclude commercial plant production and that restrict their use to recreational purposes, wildlife habitat, watershed, or esthetic purposes.

*Capability subclasses* are soil groups within one class. They are designated by adding a small letter, *e*, *w*, *s*, or *c*, to the class numeral, for example, 2e. The letter *e* shows that the main hazard is the risk of erosion unless close-growing plant cover is maintained; *w* shows that water in or on the soil interferes with plant growth or cultivation (in some soils the wetness can be partly corrected by artificial drainage); *s* shows that the soil is limited mainly because it is shallow, droughty, or stony; and *c*, used in only some parts of the United States, shows that the chief limitation is climate that is very cold or very dry.

In class 1 there are no subclasses because the soils of this class have few limitations. Class 5 contains only the subclasses indicated by *w*, *s*, or *c* because the soils in class 5 are subject to little or no erosion.

## Report—Land Capability Classification

Land Capability Classification—Wayne County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AdD—Alexandria silt loam, 12 to 18 percent slopes				
	85	Alexandria	4e	—
AdF—Alexandria silt loam, 18 to 50 percent slopes				
	85	Alexandria	7e	—
AeE—Alexandria silt loam, 18 to 25 percent slopes				
	100	Alexandria	6e	—
AeF—Alexandria silt loam, 25 to 50 percent slopes				
	100	Alexandria	7e	—
AmE—Amanda loam, 18 to 25 percent slopes				
	90	Amanda	6e	—
AwB—Amanda-Wooster silt loams, 2 to 6 percent slopes				
	50	Amanda	2e	—
	40	Wooster	2e	—
AwC2—Amanda-Wooster silt loams, 6 to 12 percent slopes, eroded				
	50	Amanda	3e	—
	40	Wooster	3e	—
AwD2—Amanda-Wooster silt loams, 12 to 18 percent slopes, eroded				
	50	Amanda	4e	—
	40	Wooster	4e	—
BnA—Bennington silt loam, 0 to 2 percent slopes				
	85	Bennington	2w	—
BnB—Bennington silt loam, 2 to 6 percent slopes				
	85	Bennington	2e	—
BrD—Berks silt loam, 12 to 18 percent slopes				
	85	Berks	4e	—

Land Capability Classification--Wayne County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
BrE—Berks silt loam, 18 to 25 percent slopes				
	85	Berks	4e	—
BrF—Berks silt loam, 25 to 70 percent slopes				
	85	Berks	7e	—
BsB—Bethesda silty clay loam, 2 to 12 percent slopes				
	85	Bethesda	3s	—
BsF—Bethesda silty clay loam, 18 to 70 percent slopes				
	85	Bethesda	7e	—
BtA—Bogart loam, 0 to 2 percent slopes				
	90	Bogart	2s	—
BtB—Bogart loam, 2 to 6 percent slopes				
	85	Bogart	2e	—
BuB—Bogart silt loam, 2 to 6 percent slopes				
	90	Bogart	2e	—
BvG—Berks-Rock outcrop complex, 30 to 60 percent slopes				
	70	Berks	7e	—
	10	Rock outcrop	—	—
BwD—Brownsville channery silt loam, 15 to 25 percent slopes				
	85	Brownsville	4e	—
CcB—Caneadea silt loam, 2 to 6 percent slopes				
	95	Caneadea	3w	—
CdA—Canfield silt loam, 0 to 2 percent slopes				
	85	Canfield	2w	—
CdB—Canfield silt loam, 2 to 6 percent slopes				
	90	Canfield	2e	—
CdB2—Canfield silt loam, 2 to 6 percent slopes, eroded				
	90	Canfield, eroded	2e	—
CdC—Canfield silt loam, 6 to 12 percent slopes				
	90	Canfield	3e	—
CdC2—Canfield silt loam, 6 to 12 percent slopes, eroded				
	90	Canfield, eroded	3e	—

Land Capability Classification--Wayne County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
CdD2—Canfield silt loam, 12 to 18 percent slopes, eroded				
	95	Canfield, eroded	4e	—
CeB—Canfield silt loam, sandstone substratum, 2 to 6 percent slopes				
	90	Canfield, sandstone substratum	2e	—
CfB—Canfield-Urban land complex, 2 to 6 percent slopes				
	45	Canfield	2e	—
	35	Urban land	8	—
CgB—Cardington silt loam, 2 to 6 percent slopes				
	85	Cardington	2e	—
CgB2—Cardington silt loam, 2 to 6 percent slopes, eroded				
	85	Cardington	2e	—
CgC—Cardington silt loam, 6 to 12 percent slopes				
	85	Cardington	3e	—
CgC2—Cardington silt loam, 6 to 12 percent slopes, eroded				
	90	Cardington	3e	—
CgE2—Cardington silt loam, 12 to 25 percent slopes, moderately eroded				
	100	Cardington	6e	—
Ch—Carlisle muck				
	90	Carlisle	3w	—
Ck—Carlisle muck, ponded				
	90	Carlisle	5w	—
Cl—Chagrin silt loam				
	100	Chagrin	2w	—
CmB—Chili silt loam, 2 to 6 percent slopes				
	100	Chili	2e	—
CmC—Chili silt loam, 6 to 12 percent slopes				
	100	Chili	3e	—
CmC2—Chili silt loam, 6 to 12 percent slopes, moderately eroded				
	100	Chili	3e	—

Land Capability Classification--Wayne County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
CnA—Chili loam, 0 to 2 percent slopes	90	Chili	2s	—
CnB—Chili loam, 2 to 6 percent slopes	90	Chili	2e	—
CnC—Chili loam, 6 to 12 percent slopes	100	Chili	3e	—
CnC2—Chili loam, 6 to 12 percent slopes, eroded	90	Chili	3e	—
CnD2—Chili loam, 12 to 18 percent slopes, eroded	90	Chili	4e	—
CoC2—Chili gravelly loam, 6 to 12 percent slopes, moderately eroded	100	Chili	3e	—
CoD2—Chili gravelly loam, 12 to 25 percent slopes, eroded	90	Chili	4e	—
CoF—Chili gravelly loam, 25 to 70 percent slopes	90	Chili	7e	—
CpD2—Chili gravelly loam, 12 to 18 percent slopes, moderately eroded	100	Chili	4e	—
CrB—Chili-Urban land complex, 2 to 6 percent slopes	55	Chili	—	—
	35	Urban land	—	—
Cs—Condit silt loam, 0 to 1 percent slopes	90	Condit	3w	—
CtC—Coshocton silt loam, 6 to 12 percent slopes	90	Coshocton	3e	—
CuB—Centerburg silt loam, 2 to 6 percent slopes	85	Centerburg	2e	—
CuC2—Centerburg silt loam, 6 to 12 percent slopes, eroded	85	Centerburg	3e	—

Land Capability Classification--Wayne County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
CvC—Conotton gravelly loam, 6 to 12 percent slopes				
	100	Conotton	4e	—
DkD—DeKalb channery loam, 12 to 18 percent slopes				
	90	DeKalb	4e	—
DkE—DeKalb channery loam, 18 to 25 percent slopes				
	85	DeKalb	4e	—
DmC—DeKalb sandy loam, 6 to 12 percent slopes				
	100	DeKalb	3e	—
DmE2—DeKalb sandy loam, 12 to 25 percent slopes, moderately eroded				
	100	DeKalb	4e	—
EuA—Euclid silt loam, occasionally flooded				
	85	Euclid	2w	—
FaB—Fairpoint silty clay loam, 2 to 12 percent slopes				
	85	Fairpoint	3s	—
FcA—Fitchville silt loam, 0 to 2 percent slopes				
	85	Fitchville	2w	—
FcB—Fitchville silt loam, 2 to 6 percent slopes				
	85	Fitchville	2e	—
FfA—Fitchville-Urban land complex, 0 to 2 percent slopes				
	55	Fitchville	—	—
	35	Urban land	—	—
GfA—Glenford silt loam, 0 to 2 percent slopes				
	90	Glenford	1	—
GfB—Glenford silt loam, 2 to 6 percent slopes				
	90	Glenford	2e	—
GfC—Glenford silt loam, 6 to 12 percent slopes				
	90	Glenford	3e	—
GfC2—Glenford silt loam, 6 to 12 percent slopes, eroded				
	90	Glenford	3e	—

Land Capability Classification--Wayne County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
GfD—Glenford silt loam, 12 to 18 percent slopes				
	90	Glenford	4e	—
HdA—Haskins silt loam, 0 to 3 percent slopes				
	90	Haskins	2w	—
Ho—Holly silt loam				
	95	Holly	3w	—
Hs—Holly silt loam, alkaline				
	95	Holly	3w	—
JtA—Jimtown loam, 0 to 2 percent slopes				
	90	Jimtown	2w	—
JtB—Jimtown loam, 2 to 6 percent slopes				
	90	Jimtown	2e	—
Kb—Killbuck silt loam, frequently flooded				
	80	Killbuck	3w	—
Ld—Linwood muck				
	85	Linwood	2w	—
Le—Lobdell silt loam, occasionally flooded				
	85	Lobdell	2w	—
Lm—Lorain silty clay loam				
	100	Lorain	3w	—
LnB—Loudonville silt loam, 2 to 6 percent slopes				
	85	Loudonville	2e	—
LnC—Loudonville silt loam, 6 to 12 percent slopes				
	90	Loudonville	3e	—
LnC2—Loudonville silt loam, 6 to 12 percent slopes, eroded				
	90	Loudonville	3e	—
LnD—Loudonville silt loam, 12 to 18 percent slopes				
	90	Loudonville	4e	—
Lu—Luray silt loam				
	100	Luray	2w	—
Ly—Luray silty clay loam				
	90	Luray	2w	—

Land Capability Classification--Wayne County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
McB—Mechanicsburg silt loam, 2 to 6 percent slopes				
	85	Mechanicsburg	2e	—
McC2—Mechanicsburg silt loam, 6 to 12 percent slopes, eroded				
	85	Mechanicsburg	3e	—
McD—Mechanicsburg silt loam, 12 to 18 percent slopes				
	85	Mechanicsburg	4e	—
Md—Melvin silt loam, frequently flooded				
	90	Melvin	3w	—
Mg—Melvin silt loam, ponded				
	85	Melvin	5w	—
MtB—Mitiwanga silt loam, 1 to 4 percent slopes				
	90	Mitiwanga	2e	—
Om—Olmsted loam				
	100	Olmsted	2w	—
Or—Orrville silt loam, occasionally flooded				
	85	Orrville	2w	—
OtA—Oshtemo sandy loam, 0 to 2 percent slopes				
	95	Oshtemo	3s	—
OtB—Oshtemo sandy loam, 2 to 6 percent slopes				
	85	Oshtemo	3s	3e
Pg—Pits, gravel				
	100	Pits	—	—
Pr—Pits, quarry				
	100	Pits	—	—
ReA—Ravenna silt loam, 0 to 2 percent slopes				
	85	Ravenna	2w	—
ReB—Ravenna silt loam, 2 to 6 percent slopes				
	85	Ravenna	2e	—
RgB—Rawson silt loam, 2 to 6 percent slopes				
	90	Rawson	2e	—
RhB—Riddles silt loam, 2 to 6 percent slopes				
	85	Riddles	2e	—

Land Capability Classification--Wayne County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
RhC—Riddles silt loam, 6 to 12 percent slopes				
	85	Riddles	3e	—
RhD2—Riddles silt loam, 12 to 18 percent, eroded				
	90	Riddles	4e	—
RhE—Riddles silt loam, 18 to 25 percent slopes				
	85	Riddles	6e	—
RrE2—Rittman silt loam, 12 to 25 percent slopes, moderately eroded				
	100	Rittman	6e	—
RrF—Rittman silt loam, 25 to 70 percent slopes				
	100	Rittman	7e	—
RsB—Rittman silt loam, 2 to 6 percent slopes				
	90	Rittman	2e	—
RsB2—Rittman silt loam, 2 to 6 percent slopes, eroded				
	90	Rittman	2e	—
RsC—Rittman silt loam, 6 to 12 percent slopes				
	90	Rittman	3e	—
RsC2—Rittman silt loam, 6 to 12 percent slopes, eroded				
	90	Rittman	3e	—
RsD2—Rittman silt loam, 12 to 18 percent slopes, eroded				
	90	Rittman	4e	—
RtB—Rittman-Urban land complex, 2 to 6 percent slopes				
	65	Rittman	—	—
	25	Urban land	—	—
Sb—Sebring silt loam				
	90	Sebring	3w	—
Se—Sebring silt loam, till substratum				
	90	Sebring	3w	—
Sl—Sloan silt loam				
	100	Sloan	3w	—
Sn—Sloan silty clay loam				
	95	Sloan	3w	—

Land Capability Classification--Wayne County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Tg—Tioga silt loam, occasionally flooded				
	100	Tioga	1	—
To—Tioga loam, occasionally flooded				
	90	Tioga	1	—
TrA—Tiro silt loam, 0 to 2 percent slopes				
	85	Tiro	2w	—
Ud—Udorthents, loamy				
	100	Udorthents	—	—
Up—Udorthents-Pits complex				
	70	Udorthents	6s	—
	20	Pits	—	—
W—Water				
	100	Water	—	—
WaA—Wadsworth silt loam, 0 to 2 percent slopes				
	90	Wadsworth	3w	—
WaB—Wadsworth silt loam, 2 to 6 percent slopes				
	90	Wadsworth	3e	—
Wc—Walkkill silt loam				
	85	Walkkill	3w	—
Wd—Wayland silt loam				
	95	Wayland	3w	—
Wh—Willette muck				
	100	Willette	3w	—
WsC2—Wooster silt loam, 6 to 12 percent slopes, eroded				
	90	Wooster	3e	—
WsE—Wooster silt loam, 18 to 35 percent slopes				
	100	Wooster	6e	—
WsF—Wooster silt loam, 25 to 70 percent slopes				
	100	Wooster	7e	—
WuB—Wooster-Riddles silt loams, 2 to 6 percent slopes				
	45	Wooster	2e	—
	45	Riddles	2e	—

Land Capability Classification--Wayne County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
WuC—Wooster-Riddles silt loams, 6 to 12 percent slopes				
	45	Wooster	3e	—
	45	Riddles	3e	—
WuC2—Wooster-Riddles silt loams, 6 to 12 percent slopes, eroded				
	45	Riddles	3e	—
	45	Wooster	3e	—
WuD2—Wooster-Riddles silt loams, 12 to 18 percent slopes, eroded				
	45	Wooster	4e	—
	45	Riddles	4e	—
WyC—Wooster-Urban land complex, 6 to 12 percent slopes				
	55	Wooster	—	—
	35	Urban land	—	—

### Data Source Information

Soil Survey Area: Wayne County, Ohio  
 Survey Area Data: Version 12, Sep 19, 2014