

## 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—Medina County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
A1A—Allis silty clay loam, 0 to 2 percent slopes				
	94	Allis	4w	—
BnA—Bennington silt loam, 0 to 2 percent slopes				
	95	Bennington	2w	—
BnB—Bennington silt loam, 2 to 6 percent slopes				
	95	Bennington	2e	—
BoA—Bennington-Tiro silt loams, 0 to 2 percent slopes				
	50	Bennington	2w	—
	30	Tiro	2w	—
BrF—Berks silt loam, 25 to 70 percent slopes				
	100	Berks	7e	—
BtA—Bogart loam, 0 to 2 percent slopes				
	100	Bogart	2s	—
BtB—Bogart loam, 2 to 6 percent slopes				
	100	Bogart	2e	—
BuB—Bogart gravelly loam, 2 to 6 percent slopes				
	100	Bogart	2e	—
BvF—Brecksville silt loam, 25 to 70 percent slopes				
	85	Brecksville	7e	—
Ca—Canadice silty clay loam				
	95	Canadice	4w	—
CcA—Caneadea silt loam, 0 to 2 percent slopes				
	95	Caneadea	3w	—
CcB—Caneadea silt loam, 2 to 6 percent slopes				
	95	Caneadea	3w	—

Land Capability Classification--Medina County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
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	—
CdC2—Canfield silt loam, 6 to 12 percent slopes, eroded				
	90	Canfield, eroded	3e	—
CeC—Canfield-Urban land complex, 6 to 12 percent slopes				
	50	Canfield	3e	—
	40	Urban land	8	—
CfB—Cardington fine sandy loam, 2 to 6 percent slopes				
	100	Cardington	2e	—
CgB—Cardington silt loam, 2 to 6 percent slopes				
	100	Cardington	2e	—
CgB2—Cardington silt loam, 2 to 6 percent slopes, eroded				
	85	Cardington	2e	—
CgC2—Cardington silt loam, 6 to 12 percent slopes, moderately eroded				
	100	Cardington	3e	—
CgE2—Cardington silt loam, 12 to 25 percent slopes, moderately eroded				
	100	Cardington	6e	—
Ch—Carlisle muck				
	100	Carlisle	3w	—
Cm—Chagrin silt loam				
	100	Chagrin	2w	—
CnA—Chili loam, 0 to 2 percent slopes				
	100	Chili	2s	—
CnB—Chili loam, 2 to 6 percent slopes				
	100	Chili	2e	—
CnC—Chili loam, 6 to 12 percent slopes				
	100	Chili	3e	—

Land Capability Classification--Medina County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
CoC2—Chili gravelly loam, 6 to 12 percent slopes, moderately eroded				
	100	Chili	3e	—
CoE2—Chili gravelly loam, 12 to 25 percent slopes, moderately eroded				
	100	Chili	6e	—
CoF2—Chili gravelly loam, 25 to 70 percent slopes, moderately eroded				
	100	Chili	7e	—
CpA—Chili silt loam, 0 to 2 percent slopes				
	100	Chili	2s	—
CpB—Chili silt loam, 2 to 6 percent slopes				
	100	Chili	2e	—
CpC—Chili silt loam, 6 to 12 percent slopes				
	100	Chili	3e	—
CqD—Chili gravelly loam, 12 to 18 percent slopes				
	85	Chili	2s	—
Cr—Chagrin silt loam, occasionally flooded				
	85	Chagrin	2w	—
CuB—Chili-Urban land complex, undulating				
	40	Chili	—	—
	35	Urban land	—	—
Cy—Condit silt loam, 0 to 1 percent slopes				
	90	Condit	3w	—
Cz—Condit silty clay loam				
	85	Condit	3w	—
DeD—DeKalb sandy loam, 12 to 18 percent slopes				
	85	DeKalb	4e	—
DkF—DeKalb-Loudonville complex, 25 to 70 percent slopes				
	40	DeKalb	7e	—
	40	Loudonville	7e	—
EIB—Ellsworth silt loam, 2 to 6 percent slopes				
	85	Ellsworth	2e	—

Land Capability Classification--Medina County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
EIB2—Ellsworth silt loam, 2 to 6 percent slopes, eroded				
	85	Ellsworth, eroded	2e	—
EIC—Ellsworth silt loam, 6 to 12 percent slopes				
	90	Ellsworth	3e	—
EIC2—Ellsworth silt loam, 6 to 12 percent slopes, eroded				
	90	Ellsworth, eroded	3e	—
EIE2—Ellsworth silt loam, 12 to 25 percent slopes, eroded				
	90	Ellsworth, eroded	4e	—
EIF—Ellsworth silt loam, 25 to 70 percent slopes				
	85	Ellsworth	7e	—
EIF2—Ellsworth silt loam, 18 to 50 percent slopes, eroded				
	85	Ellsworth, eroded	6e	—
EsB—Ellsworth silt loam, sandstone substratum, 2 to 6 percent slopes				
	85	Ellsworth, sandstone substratum	2e	—
EsC2—Ellsworth silt loam, sandstone substratum, 6 to 12 percent slopes, eroded				
	85	Ellsworth, sandstone substratum, eroded	3e	—
EuB—Ellsworth-Urban land complex, 2 to 6 percent slopes				
	45	Ellsworth	2e	—
	30	Urban land	8	—
EvA—Euclid silt loam, occasionally flooded				
	85	Euclid	2w	—
ExC—Ellsworth-Urban land complex, 6 to 18 percent slopes				
	55	Ellsworth	3e	—
	30	Urban land	8	—
FcA—Fitchville silt loam, 0 to 2 percent slopes				
	95	Fitchville	2w	—
FcB—Fitchville silt loam, 2 to 6 percent slopes				
	100	Fitchville	2e	—

Land Capability Classification--Medina County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
FIA—Fitchville silt loam, low terrace, 0 to 2 percent slopes				
	95	Fitchville	2w	—
GbB—Geeburg silt loam, 2 to 6 percent slopes				
	85	Geeburg	3e	—
GbC—Geeburg silt loam, 6 to 18 percent slopes				
	100	Geeburg	6e	—
GbD2—Geeburg silt loam, 12 to 18 percent slopes, moderately eroded				
	90	Geeburg	6e	—
GfA—Glenford silt loam, 0 to 2 percent slopes				
	100	Glenford	1	—
GfB—Glenford silt loam, 2 to 6 percent slopes				
	100	Glenford	2e	—
GfC—Glenford silt loam, 6 to 12 percent slopes				
	85	Glenford	3e	—
GfC2—Glenford silt loam, 6 to 12 percent slopes, moderately eroded				
	100	Glenford	3e	—
HsA—Haskins loam, 0 to 2 percent slopes				
	100	Haskins	2w	—
HsB—Haskins loam, 2 to 6 percent slopes				
	100	Haskins	2e	—
Hy—Holly silt loam				
	95	Holly	3w	—
HzB—Hornell silt loam, 2 to 6 percent slopes				
	85	Hornell	3w	—
JsA—Jimtown silt loam, 0 to 2 percent slopes				
	95	Jimtown	2w	—
JtA—Jimtown loam, 0 to 2 percent slopes				
	95	Jimtown	2w	—
JtB—Jimtown loam, 2 to 6 percent slopes				
	100	Jimtown	2e	—
Ju—Jimtown-Urban land complex				
	40	Jimtown	—	—
	35	Urban land	—	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Ld—Linwood muck				
	100	Linwood	2w	—
Le—Lobdell silt loam				
	95	Lobdell	2w	—
Ln—Lorain silty clay loam				
	100	Lorain	3w	—
LoB—Loudonville silt loam, 2 to 6 percent slopes				
	100	Loudonville	2e	—
LoC—Loudonville silt loam, 6 to 12 percent slopes				
	100	Loudonville	3e	—
LoC2—Loudonville silt loam, 6 to 12 percent slopes, moderately eroded				
	100	Loudonville	3e	—
LoE2—Loudonville silt loam, 12 to 25 percent slopes, moderately eroded				
	100	Loudonville	6e	—
LrD—Loudonville silt loam, 12 to 18 percent slopes				
	90	Loudonville	4e	—
Ly—Luray silt loam				
	100	Luray	2w	—
MgA—Mahoning silt loam, 0 to 2 percent slopes				
	85	Mahoning	3w	—
MgB—Mahoning silt loam, 2 to 6 percent slopes				
	85	Mahoning	3w	—
MgB2—Mahoning silt loam, 2 to 6 percent slopes, eroded				
	85	Mahoning, eroded	3w	—
MIA—Mahoning silt loam, sandstone substratum, 0 to 2 percent slopes				
	85	Mahoning, sandstone substratum	3w	—
MIB—Mahoning silt loam, sandstone substratum, 2 to 6 percent slopes				
	90	Mahoning, sandstone substratum	3w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
MmA—Mahoning-Tiro silt loams, 0 to 2 percent slopes				
	50	Mahoning	3w	—
	30	Tiro	2w	—
MnA—Mahoning-Urban land complex, 0 to 2 percent slopes				
	45	Mahoning	3w	—
	35	Urban land	8	—
MoB—Mentor silt loam, 2 to 6 percent slopes				
	85	Mentor	2e	—
MpB—Mahoning-Urban land complex, 2 to 6 percent slopes				
	45	Mahoning	3w	—
	30	Urban land	8	—
Mr—Miner silty clay loam, 0 to 2 percent slopes				
	85	Miner	5w	—
Od—Olmsted loam				
	100	Olmsted	2w	—
Or—Orrville silt loam				
	95	Orrville	2w	—
Os—Orrville silt loam, bedrock substratum				
	100	Orrville	2w	—
OtB—Oshtemo sandy loam, 2 to 6 percent slopes				
	100	Oshtemo	3s	3e
Ou—Orrville silt loam, frequently flooded				
	85	Orrville	2w	—
Pg—Pits, gravel				
	100	Gravel pit	—	—
Pq—Pits, quarry				
	100	Quarries	—	—
ReA—Ravenna silt loam, 0 to 2 percent slopes				
	95	Ravenna	2w	—
ReB—Ravenna silt loam, 2 to 6 percent slopes				
	95	Ravenna	2e	—

Land Capability Classification--Medina County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
RnA—Ravenna-Urban land complex, nearly level				
	40	Ravenna	—	—
	35	Urban land	—	—
RoB—Rawson loam, 2 to 6 percent slopes				
	100	Rawson	2e	—
RoC2—Rawson loam, 6 to 12 percent slopes, moderately eroded				
	95	Rawson	3e	—
RsB—Rittman silt loam, 2 to 6 percent slopes				
	100	Rittman	2e	—
RsB2—Rittman silt loam, 2 to 6 percent slopes, moderately eroded				
	100	Rittman	2e	—
RsC—Rittman silt loam, 6 to 12 percent slopes				
	100	Rittman	3e	—
RsC2—Rittman silt loam, 6 to 12 percent slopes, moderately eroded				
	100	Rittman	3e	—
RsE2—Rittman silt loam, 12 to 25 percent slopes, moderately eroded				
	100	Rittman	6e	—
RsF—Rittman silt loam, 25 to 70 percent slopes				
	100	Rittman	7e	—
RtD2—Rittman silt loam, 12 to 18 percent slopes, moderately eroded				
	100	Rittman	4e	—
ScF—Schaffemaker loamy sand, 25 to 70 percent slopes				
	100	Schaffemaker	7s	—
Sg—Sebring silt loam				
	95	Sebring	3w	—
St—Sebring silt loam, till substratum				
	100	Sebring	3w	—
Su—Shoals silt loam				
	95	Shoals	2w	—
Tg—Tioga loam				
	100	Tioga	1	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
TrA—Trumbull silt loam, 0 to 2 percent slopes				
	90	Trumbull	4w	—
TsA—Trumbull silty clay loam, 0 to 2 percent slopes				
	90	Trumbull	4w	—
Ud—Udorthents, loamy				
	100	Udorthents	6s	—
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				
	100	Wadsworth	3e	—
WbB—Wadsworth-Urban land complex, undulating				
	40	Wadsworth	—	—
	35	Urban land	—	—
Wc—Walkkill silt loam				
	100	Walkkill	3w	—
WhB—Wheeling silt loam, 2 to 6 percent slopes				
	95	Wheeling	2e	—
Wt—Willette muck				
	100	Willette	3w	—
WuB—Wooster silt loam, 2 to 6 percent slopes				
	100	Wooster	2e	—
WuB2—Wooster silt loam, 2 to 6 percent slopes, moderately eroded				
	100	Wooster	2e	—
WuC2—Wooster silt loam, 6 to 12 percent slopes, moderately eroded				
	100	Wooster	3e	—
WuE2—Wooster silt loam, 12 to 25 percent slopes, moderately eroded				
	100	Wooster	6e	—
WuF—Wooster silt loam, 25 to 70 percent slopes				
	100	Wooster	7e	—

Land Capability Classification--Medina County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
WvB—Wooster-Riddles silt loams, 2 to 6 percent slopes				
	45	Riddles	2e	—
	45	Wooster	2e	—
WvC2—Wooster-Riddles silt loams, 6 to 12 percent slopes, eroded				
	45	Riddles	3e	—
	45	Wooster	3e	—
WvD2—Wooster-Riddles silt loams, 12 to 18 percent slopes, eroded				
	45	Riddles	4e	—
	45	Wooster	4e	—

### Data Source Information

Soil Survey Area: Medina County, Ohio  
 Survey Area Data: Version 14, Sep 19, 2014