

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—Paulding County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
BeB—Belmore loam, till substratum, 2 to 6 percent slopes				
	88	Belmore	2e	—
BkA—Bixler loamy sand, clayey substratum, 0 to 2 percent slopes				
	92	Bixler	2w	—
BrB2—Broughton silty clay loam, 2 to 6 percent slopes, eroded				
	93	Broughton	3e	—
BrC2—Broughton silty clay loam, 6 to 12 percent slopes, eroded				
	95	Broughton	4e	—
BrD2—Broughton silty clay loam, 12 to 18 percent slopes, eroded				
	95	Broughton	6e	—
BrE2—Broughton silty clay loam, 18 to 35 percent slopes, eroded				
	95	Broughton	7e	—
BsC3—Broughton silty clay, 6 to 12 percent slopes, severely eroded				
	95	Broughton	6e	—
BsD3—Broughton silty clay, 12 to 18 percent slopes, severely eroded				
	95	Broughton	7e	—
Db—Defiance silty clay loam, occasionally flooded				
	93	Defiance	3w	—
Dc—Defiance silty clay loam, frequently flooded				
	93	Defiance	3w	—
Fb—Flatrock silt loam, occasionally flooded				
	97	Flatrock	2w	—
Fc—Flatrock silt loam, frequently flooded				
	97	Flatrock	2w	—

Land Capability Classification--Paulding County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
FtA—Fulton loam, 0 to 2 percent slopes				
	94	Fulton	3w	—
FuA—Fulton silty clay loam, 0 to 2 percent slopes				
	94	Fulton	3w	—
FuB2—Fulton silty clay loam, 2 to 6 percent slopes, eroded				
	95	Fulton	3e	—
FxA—Fulton silty clay loam, loamy substratum, 0 to 2 percent slopes				
	95	Fulton	3w	—
FxB—Fulton silty clay loam, loamy substratum, 2 to 6 percent slopes				
	95	Fulton	3e	—
Gr—Granby loamy sand, clayey substratum				
	92	Granby	4w	—
HaA—Haskins loamy sand, 0 to 2 percent slopes				
	88	Haskins	2w	—
HcA—Hoytville silty clay loam, 0 to 1 percent slopes				
	91	Hoytville	2w	—
HkA—Haskins loam, 0 to 2 percent slopes				
	95	Haskins	2w	—
HkB—Haskins loam, 2 to 6 percent slopes				
	95	Haskins	2e	—
HtA—Hoytville silty clay, 0 to 1 percent slopes				
	92	Hoytville	2w	—
Kn—Knoxdale silt loam, occasionally flooded				
	97	Knoxdale	2w	—
La—Landes loam, occasionally flooded				
	100	Landes	2w	—
Lb—Latty silty clay loam				
	90	Latty	3w	—
Lc—Latty silty clay				
	95	Latty	3w	—

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			Nonirrigated	Irrigated
LtA—Lucas silt loam, loamy substratum, 0 to 2 percent slopes				
	95	Lucas	1	—
LuB2—Lucas silty clay loam, loamy substratum, 2 to 6 percent slopes, eroded				
	95	Lucas	3e	—
LuC2—Lucas silty clay loam, loamy substratum, 6 to 12 percent slopes, eroded				
	93	Lucas	4e	—
Md—Medway silt loam, occasionally flooded				
	100	Medway	2w	—
Me—Mermill loam				
	92	Mermill	2w	—
Mg—Millgrove loam, till substratum				
	85	Millgrove	2w	—
NnA—Nappanee loam, 0 to 2 percent slopes				
	93	Nappanee	3w	—
NpA—Nappanee silty clay loam, 0 to 2 percent slopes				
	90	Nappanee	3w	—
NpB—Nappanee silty clay loam, 2 to 6 percent slopes				
	95	Nappanee	3e	—
NpB2—Nappanee silty clay loam, 2 to 6 percent slopes, eroded				
	95	Nappanee	3e	—
OsB—Oshtemo sandy loam, till substratum, 2 to 6 percent slopes				
	89	Oshtemo	3s	—
OtB—Ottokee loamy sand, 0 to 6 percent slopes				
	95	Ottokee	3s	—
Pc—Paulding clay, 0 to 1 percent slopes				
	93	Paulding	3w	—
Pt—Pits, quarry				
	100	Pits, quarry	—	—
RkA—Rimer loamy sand, 0 to 2 percent slopes				
	96	Rimer	2w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
RkB—Rimer loamy sand, 2 to 6 percent slopes				
	96	Rimer	2e	—
RmA—Rimer-Fulton complex, 0 to 2 percent slopes				
	64	Rimer	2w	—
	30	Fulton	3w	—
RnA—Roselms loam, 0 to 2 percent slopes				
	95	Roselms	3w	—
RoA—Roselms silty clay loam, 0 to 2 percent slopes				
	97	Roselms	3w	—
RoB—Roselms silty clay loam, 2 to 6 percent slopes				
	95	Roselms	3e	—
RpA—Roselms silty clay, 0 to 2 percent slopes				
	95	Roselms	3w	—
RpB2—Roselms silty clay, 2 to 6 percent slopes, eroded				
	95	Roselms	3e	—
Rt—Rossburg silt loam, occasionally flooded				
	100	Rossburg	2w	—
Sb—Saranac silty clay loam, occasionally flooded				
	90	Saranac	3w	—
Sh—Shoals silt loam, occasionally flooded				
	93	Shoals	2w	—
Sk—Shoals silt loam, frequently flooded				
	93	Shoals	2w	—
StB2—St. Clair silty clay loam, 2 to 6 percent slopes, eroded				
	95	St. clair	3e	—
StC2—St. Clair silty clay loam, 6 to 12 percent slopes, eroded				
	97	St. clair	4e	—
StD2—St. Clair silty clay loam, 12 to 18 percent slopes, eroded				
	95	St. clair	6e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
StE2—St. Clair silty clay loam, 18 to 35 percent slopes, eroded				
	95	St. clair	7e	—
SuC3—St. Clair silty clay, 6 to 12 percent slopes, severely eroded				
	95	St. clair	6e	—
SuE3—St. Clair silty clay, 12 to 25 percent slopes, severely eroded				
	95	St. clair	7e	—
TeA—Tedrow loamy sand, 0 to 3 percent slopes				
	93	Tedrow	3s	—
Tn—Toledo silty clay loam				
	95	Toledo	3w	—
To—Toledo silty clay				
	95	Toledo	3w	—
Uc—Udorthents, clayey, hilly				
	80	Udorthents	—	—
W—Water				
	100	Water	—	—
Wb—Wabasha silty clay loam, frequently flooded				
	90	Wabasha	3w	—
WhA—Whitaker loam, 0 to 2 percent slopes				
	100	Whitaker	2w	—

Data Source Information

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