

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—Lucas County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Be—Belleville loamy sand				
	90	Belleville	3w	—
BxA—Bixler loamy fine sand, 0 to 2 percent slopes				
	80	Bixler	2w	—
BxB—Bixler loamy fine sand, 2 to 6 percent slopes				
	80	Bixler	2e	—
ByA—Bixler-Urban land complex, 0 to 3 percent slopes				
	55	Bixler	—	—
	25	Urban land	—	—
Ce—Ceresco sandy loam, occasionally flooded				
	80	Ceresco	2w	—
Co—Colwood loam				
	80	Colwood	2w	—
CoB—Colonie fine sand, 1 to 6 percent slopes				
	92	Colonie	3s	—
Cp—Colwood-Urban land complex				
	55	Colwood	—	—
	30	Urban land	—	—
Cr—Corunna sandy loam				
	85	Corunna	2w	—
DcA—Del Rey-Urban land complex, 0 to 3 percent slopes				
	50	Del rey	—	—
	35	Urban land	—	—
DdA—Del Rey loam, 0 to 3 percent slopes				
	80	Del rey	2w	—
DeA—Del Rey loam, sandy substratum, 0 to 2 percent slopes				
	80	Del rey	2w	—

Land Capability Classification—Lucas County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
DfA—Del Rey silt loam, 0 to 3 percent slopes				
	100	Del rey	2w	—
DgA—Digby sandy loam, 0 to 2 percent slopes				
	85	Digby	2w	—
DgB—Digby sandy loam, 2 to 6 percent slopes				
	85	Digby	2e	—
DoA—Digby-Urban land complex, 0 to 3 percent slopes				
	45	Digby	—	—
	35	Urban land	—	—
Dp—Dumps				
	100	Dumps	—	—
DsA—Dixboro fine sandy loam, 0 to 2 percent slopes				
	75	Dixboro	2w	—
DtA—Dixboro-Urban land complex, 0 to 2 percent slopes				
	50	Dixboro	—	—
	25	Urban land	—	—
DuB—Dunbridge sandy loam, 0 to 4 percent slopes				
	80	Dunbridge	3s	—
Ee—Eel loam, occasionally flooded				
	80	Eel	2w	—
FuA—Fulton silty clay loam, 0 to 2 percent slopes				
	90	Fulton	3w	—
FuB—Fulton silty clay loam, 2 to 6 percent slopes				
	80	Fulton	3e	—
FwA—Fulton-Urban land complex, 0 to 3 percent slopes				
	50	Fulton	—	—
	35	Urban land	—	—
Gf—Gilford fine sandy loam				
	80	Gilford	2w	—
Gr—Granby loamy fine sand				
	80	Granby	4w	—

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			Nonirrigated	Irrigated
Gs—Granby-Urban land complex				
	50	Granby	—	—
	30	Urban land	—	—
HnA—Haskins loam, 0 to 3 percent slopes				
	85	Haskins	2w	—
HoA—Hoytville clay loam, 0 to 1 percent slopes				
	91	Hoytville	2w	—
La—Lamson fine sandy loam				
	85	Lamson	3w	—
Lc—Latty silty clay				
	85	Latty	3w	—
Lf—Lenawee silty clay loam				
	100	Lenawee	2w	—
Lg—Lenawee-Urban land complex				
	45	Lenawee	—	—
	35	Urban land	—	—
Mf—Mermill loam				
	80	Mermill	2w	—
Mh—Mermill-Urban land complex				
	60	Mermill	—	—
	30	Urban land	—	—
MmA—Metamora sandy loam, 0 to 3 percent slopes				
	85	Metamora	2w	—
Mu—Muskego muck				
	85	Muskego	4w	—
NnA—Nappanee loam, 0 to 3 percent slopes				
	80	Nappanee	3w	—
OaB—Oakville fine sand, 2 to 6 percent slopes				
	85	Oakville	4s	—
OaC—Oakville fine sand, 6 to 18 percent slopes				
	85	Oakville	6s	—
OcB—Oakville-Urban land complex, 2 to 12 percent slopes				
	50	Oakville	—	—
	30	Urban land	—	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
OtB—Ottokee fine sand, 0 to 6 percent slopes				
	80	Ottokee	3s	—
OuB—Ottokee-Urban land complex, 0 to 6 percent slopes				
	45	Ottokee	—	—
	35	Urban land	—	—
Pq—Pits, quarry				
	100	Pits, quarry	—	—
Ps—Pits, sand				
	100	Pits, sand	—	—
RnA—Rimer loamy fine sand, 0 to 3 percent slopes				
	85	Rimer	2w	—
Rs—Ross loam, occasionally flooded				
	85	Ross	2w	—
SdB—Seward loamy fine sand, 2 to 6 percent slopes				
	80	Seward	2e	—
Sh—Shoals loam, occasionally flooded				
	85	Shoals	2w	—
SmB—Sisson loam, 2 to 6 percent slopes				
	80	Sisson	2e	—
SmC—Sisson loam, 6 to 12 percent slopes				
	85	Sisson	3e	—
SmD—Sisson loam, 12 to 18 percent slopes				
	80	Sisson	4e	—
SnB—Sisson-Urban land complex, 2 to 12 percent slopes				
	45	Sisson	—	—
	30	Urban land	—	—
So—Sloan loam, occasionally flooded				
	80	Sloan	3w	—
Sp—Sloan loam				
	90	Sloan	5w	—
StC2—St. Clair loam, 7 to 15 percent slopes, moderately eroded				
	95	St. clair, moderately eroded	4e	—

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			Nonirrigated	Irrigated
SuC2—St. Clair silty clay loam, 4 to 12 percent slopes, eroded				
	85	St. clair	3e	—
SuE3—St. Clair silty clay loam, 12 to 25 percent slopes, severely eroded				
	85	St. clair	6e	—
TdA—Tedrow fine sand, 0 to 3 percent slopes				
	80	Tedrow	3s	—
TeA—Tedrow-Urban land complex, 0 to 3 percent slopes				
	45	Tedrow	—	—
	35	Urban land	—	—
To—Toledo silty clay				
	80	Toledo	3w	—
Tp—Toledo silty clay, ponded				
	85	Toledo	4w	—
Ts—Toledo-Urban land complex				
	45	Toledo	—	—
	35	Urban land	—	—
TuB—Tuscola fine sandy loam, 3 to 8 percent slopes				
	85	Tuscola	2e	—
Un—Udorthents, sandy				
	85	Udorthents, sandy	—	—
Uo—Udorthents, loamy				
	75	Udorthents, loamy	—	—
Up—Udorthents, clayey				
	100	Udorthents, clayey	—	—
Ur—Urban land				
	100	Urban land	—	—
W—Water				
	100	Water	—	—
Wt—Wauseon fine sandy loam				
	85	Wauseon	3w	—
Zie5A—Ziegenfuss clay loam, 0 to 1 percent slopes				
	86	Ziegenfuss	2w	—

Data Source Information

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