

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—Auglaize County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Ble1A1—Blount silt loam, end moraine, 0 to 2 percent slopes				
	85	Blount, end moraine	2w	—
Ble1B1—Blount silt loam, end moraine, 2 to 4 percent slopes				
	85	Blount, end moraine	2e	—
Blg1A1—Blount silt loam, ground moraine, 0 to 2 percent slopes				
	85	Blount, ground moraine	2w	—
Blg1B1—Blount silt loam, ground moraine, 2 to 4 percent slopes				
	85	Blount, ground moraine	2e	—
Ca—Carlisle silty clay loam				
	100	Carlisle	3w	—
Cb—Carlisle muck				
	90	Carlisle	3w	—
CyA—Cygnet loam, 0 to 3 percent slopes				
	90	Cygnet	1	—
Dc—Defiance silty clay, frequently flooded				
	100	Defiance	3w	—
DdA—Del Rey silt loam, 0 to 2 percent slopes				
	90	Del rey	2w	—
DeA—Del Rey silt loam, till substratum, 0 to 3 percent slopes				
	80	Del rey	2w	—
DmA—Digby loam, 0 to 2 percent slopes				
	85	Digby	2w	—
DmB—Digby loam, 2 to 6 percent slopes				
	85	Digby	2e	—
DoA—Digby variant silt loam, 0 to 2 percent slopes				
	85	Digby variant	2w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
EkB—Eldean silt loam, 1 to 4 percent slopes				
	95	Eldean	2e	—
EmB—Eldean loam, 2 to 6 percent slopes				
	85	Eldean	2e	—
EmC—Eldean loam, 6 to 12 percent slopes				
	85	Eldean	3e	—
EnA—Eldean silt loam, 0 to 3 percent slopes				
	90	Eldean	2s	—
GaB—Gallman loam, 2 to 6 percent slopes				
	85	Gallman	2e	—
Gn—Genesee silt loam, occasionally flooded				
	90	Genesee	2w	—
Gwd1C1—Glynwood silt loam, 6 to 12 percent slopes				
	85	Glynwood	3e	—
Gwd5C2—Glynwood clay loam, 6 to 12 percent slopes, eroded				
	85	Glynwood	4e	—
Gwe1B1—Glynwood silt loam, end moraine, 2 to 6 percent slopes				
	85	Glynwood, end moraine	2e	—
Gwe1B2—Glynwood silt loam, end moraine, 2 to 6 percent slopes, eroded				
	85	Glynwood, end moraine	2e	—
Gwg1B1—Glynwood silt loam, ground moraine, 2 to 6 percent slopes				
	85	Glynwood, ground moraine	2e	—
Gwg1B2—Glynwood silt loam, ground moraine, 2 to 6 percent slopes, eroded				
	85	Glynwood, ground moraine	2e	—
Gwg5C2—Glynwood clay loam, ground moraine, 6 to 12 percent slopes, eroded				
	85	Glynwood	3e	—
Gwg5C3—Glynwood clay loam, 6 to 12 percent slopes, severely eroded				
	85	Glynwood	4e	—
GxD3—Glynwood clay loam, 12 to 18 percent slopes, severely eroded				
	85	Glynwood	6e	—

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			Nonirrigated	Irrigated
GzB—Glynwood-Urban land complex, 2 to 6 percent slopes				
	50	Glynwood	—	—
	45	Urban land	—	—
HkA—Haskins loam, 0 to 2 percent slopes				
	90	Haskins	2w	—
HkB—Haskins loam, 2 to 6 percent slopes				
	80	Haskins	2e	—
HrB—Houcktown loam, 2 to 6 percent slopes				
	95	Houcktown	2e	—
Kn—Knoxdale silt loam, 0 to 2 percent slopes, occasionally flooded				
	90	Knoxdale	2w	—
La—Latty silty clay				
	95	Latty	3w	—
McA—McGary silt loam, 0 to 4 percent slopes				
	90	Mcgary	3w	—
MdA—McGary silty clay loam, 0 to 2 percent slopes				
	95	Mcgary	3w	—
Me—Milford silty clay loam				
	90	Milford	2w	—
Mf—Milford silty clay				
	85	Milford	2w	—
Mk—Millgrove clay loam				
	85	Millgrove	2w	—
Mni3A—Minster silty clay loam, till substratum, 0 to 1 percent slopes				
	85	Minster, till substratum	3w	—
Mns3A—Minster silty clay loam, 0 to 1 percent slopes				
	90	Minster	3w	—
Mny3A—Minster silty clay loam, gravelly substratum, 0 to 1 percent slopes				
	90	Minster, gravelly substratum	3w	—
MrD2—Morley clay loam, 12 to 18 percent slopes, eroded				
	85	Morley	4e	—

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			Nonirrigated	Irrigated
Mu—Muskego muck				
	100	Muskego	4w	—
Po—Pewamo silt loam, overwash				
	90	Pewamo	2w	—
Pt—Pewamo silty clay loam, 0 to 1 percent slopes				
	95	Pewamo	2w	—
Pw—Pewamo silty clay loam				
	85	Pewamo	2w	—
Px—Pits, gravel				
	100	Pits	—	—
Sac3AF—Saranac silty clay loam, 0 to 1 percent slopes, frequently flooded				
	90	Saranac, brief duration	3w	—
Sa3AF—Saranac-Spencerville silty clay loams, 0 to 1 percent slopes, frequently flooded				
	65	Saranac, brief duration	3w	—
	25	Spencerville	3w	—
Sb—Saranac silty clay loam, 0 to 1 percent slopes, rarely flooded				
	90	Saranac	3w	—
Sc—Saranac silty clay loam, till substratum, 0 to 1 percent slopes, frequently flooded				
	95	Saranac	3w	—
Sho1AO—Shoals silt loam, 0 to 2 percent slopes, occasionally flooded				
	85	Shoals	2w	—
Sho3AF—Shoals silty clay loam, 0 to 1 percent slopes, frequently flooded				
	85	Shoals	2w	—
Sk—Shoals silt loam, till substratum, 0 to 1 percent slopes, occasionally flooded				
	95	Shoals	2w	—
Slo3AF—Sloan silty clay loam, 0 to 1 percent slopes, frequently flooded				
	90	Sloan, brief duration	3w	—
So—Sloan silty clay loam, frequently flooded				
	90	Sloan	3w	—

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			Nonirrigated	Irrigated
Sr—Sloan silty clay loam, till substratum, 0 to 1 percent slopes, frequently flooded				
	90	Sloan	3w	—
ThB—Thackery sandy loam, sandy substratum, 1 to 3 percent slopes				
	95	Thackery	1	—
TkA—Thackery loam, sandy substratum, 0 to 2 percent slopes				
	100	Thackery	1	—
Ud—Udorthents, loamy, rolling				
	100	Udorthents	—	—
W—Water				
	100	Water	—	—
Wa—Walkkill silty clay loam				
	90	Walkkill	3w	—
Wd—Westland clay loam, 0 to 1 percent slopes				
	90	Westland	2w	—
Wu—Westland silty clay loam, clay substratum				
	95	Westland	2w	—

Data Source Information

Soil Survey Area: Auglaize County, Ohio
 Survey Area Data: Version 12, Sep 18, 2014