

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—Sandusky County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AaA—Adrian muck, 0 to 1 percent slopes				
	93	Adrian	5w	—
An—Aquents, nearly level				
	100	Aquents	—	—
BaB—Belmore loam, 2 to 6 percent slopes				
	95	Belmore	2e	—
BeA—Bennington silt loam, 0 to 2 percent slopes				
	90	Bennington	2w	—
BkB—Bixler loamy fine sand, 2 to 6 percent slopes				
	85	Bixler	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	—
Bt—Bono silty clay				
	95	Bono	3w	—
ChB—Castalia very stony loam, 1 to 6 percent slopes				
	90	Castalia	6s	—
CkB—Chili loam, loamy substratum, 2 to 6 percent slopes				
	85	Chili	2e	—
Co—Colwood fine sandy loam				
	90	Colwood	2w	—
DAM—Dam				
	100	Dam	—	—
DeA—Del Rey silt loam, 0 to 2 percent slopes				
	90	Del rey	2w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
DkA—Dixboro-Kibbie complex, 0 to 2 percent slopes				
	65	Dixboro	2w	—
	25	Kibbie	2w	—
Do—Dumps				
	100	Dumps	—	—
DuB—Dunbridge sandy loam, 1 to 4 percent slopes				
	90	Dunbridge	3s	—
FuA—Fulton silty clay loam, 0 to 3 percent slopes				
	95	Fulton	3w	—
Ge—Gilford fine sandy loam				
	85	Gilford	2w	—
GtB—Glenford silt loam, 2 to 6 percent slopes				
	85	Glenford	2e	—
GwB—Glynwood silt loam, 2 to 6 percent slopes				
	85	Glynwood	2e	—
Gx—Granby loamy sand				
	85	Granby	4w	—
HaB—Haskins sandy loam, 1 to 4 percent slopes				
	90	Haskins	2e	—
HcA—Hoytville silty clay loam, 0 to 1 percent slopes				
	91	Hoytville	2w	—
HoA—Hoytville clay loam, 0 to 1 percent slopes				
	91	Hoytville	2w	—
KbA—Kibbie fine sandy loam, 0 to 2 percent slopes				
	90	Kibbie	2w	—
Le—Lenawee silty clay loam				
	85	Lenawee	2w	—
LuB—Lucas silty clay, 2 to 6 percent slopes				
	90	Lucas	3e	—
MeB—Mentor silt loam, 1 to 4 percent slopes				
	85	Mentor	2e	—

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			Nonirrigated	Irrigated
MeF—Mentor silt loam, 25 to 50 percent slopes				
	85	Mentor	7e	—
MnA—Mermill loam, 0 to 1 percent slopes				
	90	Mermill	2w	—
Mo—Mermill loam				
	85	Mermill	2w	—
Mp—Mermill Variant sandy loam				
	90	Mermill variant	3w	—
Ms—Millsdale silty clay loam				
	85	Millsdale	3w	—
NpA—Nappanee silt loam, 0 to 3 percent slopes				
	85	Nappanee	3w	—
Pe—Pewamo silty clay loam				
	90	Pewamo	2w	—
Pq—Pits, quarry				
	100	Pits	—	—
RoB—Rimer loamy fine sand, 1 to 4 percent slopes				
	85	Rimer	2e	—
Rs—Rossburg silt loam, occasionally flooded				
	90	Rossburg	2w	—
Sa—Sandusky gravelly coarse sandy loam				
	85	Sandusky	3w	—
SbC2—Saylesville silty clay loam, 6 to 12 percent slopes, eroded				
	90	Saylesville	3e	—
SeB—Seward loamy fine sand, 2 to 6 percent slopes				
	85	Seward	2e	—
Sh—Shoals silt loam, frequently flooded				
	90	Shoals	2w	—
SoB—Spinks fine sand, 2 to 6 percent slopes				
	85	Spinks	3s	3s
TeA—Tedrow loamy fine sand, 0 to 2 percent slopes				
	90	Tedrow	3s	—

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			Nonirrigated	Irrigated
TfA--Tedrow-Dixboro complex, 0 to 2 percent slopes				
	65	Tedrow	3s	—
	25	Dixboro	2s	—
To--Toledo silty clay				
	90	Toledo	3w	—
Tp--Toledo silty clay loam, ponded				
	100	Toledo	4w	—
Un--Udorthents, strongly sloping				
	100	Udorthents	—	—
W--Water				
	100	Water	—	—
Wa--Weyers coarse sandy loam				
	90	Weyers	3w	—

Data Source Information

Soil Survey Area: Sandusky County, Ohio
 Survey Area Data: Version 10, Sep 19, 2014