

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—Huron County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AcC2—Alexandria silt loam, 6 to 12 percent slopes, moderately eroded				
	90	Alexandria	3e	—
AcD—Alexandria silt loam, 12 to 18 percent slopes				
	90	Alexandria	4e	—
AcF—Alexandria silt loam, 25 to 50 percent slopes				
	85	Alexandria	7e	—
AdD2—Alexandria silty clay loam, 12 to 18 percent slopes, eroded				
	80	Alexandria	4e	—
AfD2—Amanda loam, 12 to 18 percent slopes, eroded				
	90	Amanda	4e	—
AgG—Amanda-Dekalb-Rock outcrop association, 40 to 70 percent slopes				
	50	Amanda	7e	—
	25	Dekalb	7e	—
	20	Rock outcrop	—	—
BeD—Belmore loam, 12 to 18 percent slopes				
	95	Belmore	4e	—
BgA—Bennington silt loam, 0 to 2 percent slopes				
	90	Bennington	2w	—
BgB—Bennington silt loam, 2 to 6 percent slopes				
	90	Bennington	2e	—
BgB2—Bennington silt loam, 2 to 6 percent slopes, moderately eroded				
	90	Bennington	3e	—
BkA—Bixler loamy fine sand, 0 to 2 percent slopes				
	85	Bixler	2w	—

Land Capability Classification--Huron 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	—
BrF—Brecksville silt loam, 40 to 70 percent slopes				
	85	Brecksville	7e	—
CcC2—Cardington silty clay loam, 6 to 12 percent slopes, eroded				
	90	Cardington	3e	—
CdB—Cardington silt loam, 2 to 6 percent slopes				
	85	Cardington	2e	—
CdB2—Cardington silt loam, 2 to 6 percent slopes, eroded				
	95	Cardington	2e	—
CdC—Cardington silt loam, 6 to 12 percent slopes				
	95	Cardington	3e	—
CdC2—Cardington silt loam, 6 to 12 percent slopes, eroded				
	90	Cardington	3e	—
Ce—Carlisle muck				
	90	Carlisle	3w	—
Cf—Carlisle muck, ponded				
	90	Carlisle	5w	—
CgB—Castalia channery silt loam, 2 to 6 percent slopes				
	90	Castalia	3s	—
ChB—Chili loam, loamy substratum, 2 to 6 percent slopes				
	85	Chili	2e	—

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			Nonirrigated	Irrigated
ChC—Chili loam, loamy substratum, 6 to 12 percent slopes				
	85	Chili	3e	—
CjB—Castalia very channery loam, 2 to 6 percent slopes				
	85	Castalia	3s	—
CkE—Chili-Udorthents complex, 18 to 30 percent slopes				
	60	Chili	6e	—
	25	Udorthents	—	—
CIB—Chili loam, 2 to 6 percent slopes				
	100	Chili	2e	—
Cm—Colwood silt loam				
	90	Colwood	2w	—
Co—Condit silty clay loam				
	90	Condit	3w	—
CpA—Colwood loam, 0 to 1 percent slopes				
	90	Colwood	2w	—
CrA—Condit silt loam, 0 to 1 percent slopes				
	90	Condit	3w	—
EmA—Elnora loamy fine sand, 0 to 4 percent slopes				
	95	Elnora	2w	—
EnA—Elnora loamy fine sand, 1 to 3 percent slopes				
	90	Elnora	2w	—
FcA—Fitchville silt loam, 0 to 2 percent slopes				
	90	Fitchville	2w	—
FpA—Fries silty clay loam, 0 to 1 percent slopes				
	85	Fries	3w	—
Fr—Fries silty clay loam				
	85	Fries	3w	—
Gwd5C2—Glynwood clay loam, 6 to 12 percent slopes, eroded				
	85	Glynwood	4e	—
Gwe5B2—Glynwood clay loam, end moraine, 2 to 6 percent slopes, eroded				
	85	Glynwood, end moraine	2e	—

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			Nonirrigated	Irrigated
Gwg1B1—Glynwood silt loam, ground moraine, 2 to 6 percent slopes				
	85	Glynwood, ground moraine	2e	—
Gwg5B2—Glynwood clay loam, ground moraine, 2 to 6 percent slopes, eroded				
	85	Glynwood, ground moraine	2e	—
HhA—Haskins loam, 0 to 2 percent slopes				
	85	Haskins	2w	—
HkA—Haskins loam, 0 to 3 percent slopes				
	80	Haskins	2w	—
HnA—Holly silt loam, 0 to 1 percent slopes, occasionally flooded				
	90	Holly	3w	—
Ho—Holly silt loam, frequently flooded				
	85	Holly	3w	—
HrA—Hornell silty clay loam, 0 to 2 percent slopes				
	85	Hornell	3w	—
JsA—Jimtown loam, 0 to 2 percent slopes				
	85	Jimtown	2w	—
JtA—Jimtown loam, 0 to 3 percent slopes				
	80	Jimtown	2w	—
KaA—Kibbie fine sandy loam, 0 to 2 percent slopes				
	90	Kibbie	2w	—
KbA—Kibbie loam, 0 to 2 percent slopes				
	90	Kibbie	2w	—
Le—Lenawee silty clay loam				
	85	Lenawee	2w	—
Lf—Lenawee variant silty clay loam				
	85	Lenawee variant	3w	—
Lm—Linwood muck				
	90	Linwood	2w	—
Ln—Lobdell silt loam, rarely flooded				
	80	Lobdell	1	—
Lo—Lobdell silt loam, frequently flooded				
	80	Lobdell	2w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Lp—Lobdell silt loam				
	95	Lobdell	2w	—
Lq—Lorain silty clay loam				
	90	Lorain	3w	—
LrB—Lordstown loam, 2 to 6 percent slopes				
	85	Lordstown	2e	—
Lu—Luray silty clay loam				
	100	Luray	2w	—
LzB—Lykens silt loam, 2 to 6 percent slopes				
	100	Lykens	2e	—
MkA—Millsdale silty clay loam, 0 to 1 percent slopes				
	85	Millsdale	3w	—
Mm—Millsdale silty clay loam				
	85	Millsdale	3w	—
MnA—Milton silt loam, 0 to 2 percent slopes				
	85	Milton	2s	—
MnB—Milton silt loam, 2 to 6 percent slopes				
	85	Milton	2e	—
Mr—Miner silty clay loam, 0 to 2 percent slopes				
	85	Miner	5w	—
MwB—Mitiwanga silt loam, 1 to 4 percent slopes				
	90	Mitiwanga	2e	—
MxB—Mitiwanga silt loam, 2 to 6 percent slopes				
	85	Mitiwanga	2e	—
Om—Orrville silt loam				
	85	Orrville	2w	—
OnA—Orrville silt loam, bedrock substratum, 0 to 2 percent slopes, occasionally flooded				
	85	Orrville	2w	—
OpA—Orrville silt loam, bedrock substratum, 0 to 2 percent slopes, frequently flooded				
	85	Orrville	2w	—
Or—Orrville silt loam, frequently flooded				
	90	Orrville	2w	—

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			Nonirrigated	Irrigated
OsB—Oshtemo fine sandy loam, 2 to 6 percent slopes				
	85	Oshtemo	3s	3e
OtB—Otisville gravelly sandy loam, 2 to 6 percent slopes				
	90	Otisville	4s	—
OvB—Oshtemo loamy sand, 0 to 6 percent slopes				
	90	Oshtemo	3s	—
Pa—Pandora silty clay loam				
	85	Pandora	2w	—
PkA—Pewamo silty clay loam, 0 to 1 percent slopes				
	90	Pewamo	2w	—
Pm—Pewamo silty clay loam				
	90	Pewamo	2w	—
Pn—Pinnebog muck				
	90	Pinnebog	3w	—
Ps—Pits				
	100	Pits	—	—
PuA—Prout silt loam, 0 to 2 percent slopes				
	90	Prout	3w	—
SaF—Saylesville silt loam, 25 to 40 percent slopes				
	90	Saylesville	7e	—
Sb—Sebring silt loam				
	100	Sebring	3w	—
ScB—Shinrock silt loam, 2 to 6 percent slopes				
	85	Shinrock	2e	—
Sd—Shoals silt loam, 0 to 2 percent slopes, frequently flooded				
	85	Shoals	2w	—
SeA—Seward loamy fine sand, 0 to 2 percent slopes				
	85	Seward	2s	—
Sh—Shoals silt loam, 0 to 2 percent slopes, occasionally flooded				
	85	Shoals	2w	—

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			Nonirrigated	Irrigated
SnB—Spinks loamy fine sand, 0 to 6 percent slopes				
	95	Spinks	3s	—
SpB—Spinks loamy fine sand, 2 to 6 percent slopes				
	90	Spinks	3s	3s
Tg—Tioga loam, occasionally flooded				
	80	Tioga	1	—
TrA—Tiro silt loam, 0 to 2 percent slopes				
	85	Tiro	2w	—
TrB—Tiro silt loam, 2 to 6 percent slopes				
	85	Tiro	2e	—
TuA—Tuscola fine sandy loam, 0 to 2 percent slopes				
	90	Tuscola	1	—
TuB—Tuscola fine sandy loam, 2 to 6 percent slopes				
	85	Tuscola	2e	—
Ud—Udorthents, loamy				
	90	Udorthents	—	—
W—Water				
	100	Water	—	—
Wa—Walkkill silt loam, lacustrine substratum, occasionally flooded				
	90	Walkkill	3w	—

Data Source Information

Soil Survey Area: Huron County, Ohio
 Survey Area Data: Version 14, Sep 18, 2014