

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—Henry County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Ad—Adrian muck, drained, 0 to 1 percent slopes				
	95	Adrian, drained	4w	—
ArB—Arkport fine sand, 2 to 6 percent slopes				
	100	Arkport	2e	—
ArC—Arkport fine sand, 6 to 12 percent slopes				
	100	Arkport	3e	—
AsA—Aurand fine sandy loam, 0 to 2 percent slopes				
	90	Aurand	2w	—
AtA—Aurand loam, 0 to 2 percent slopes				
	91	Aurand	2w	—
BcA—Bixler loamy fine sand, 0 to 3 percent slopes				
	85	Bixler	2w	—
Ca—Clay pits				
	100	Clay pits	—	—
Ch—Cohoctah fine sandy loam				
	100	Cohoctah	3w	—
Ck—Colwood fine sandy loam, 0 to 1 percent slopes				
	90	Colwood	2w	—
Cm—Colwood loam, 0 to 1 percent slopes				
	90	Colwood	2w	—
Cn—Colwood loam				
	95	Colwood	2w	—
Co—Colwood silt loam				
	95	Colwood	2w	—
CoB—Colonie fine sand, 1 to 6 percent slopes				
	92	Colonie	3s	—
CoC—Colonie fine sand, 6 to 12 percent slopes				
	96	Colonie	3e	—

Land Capability Classification—Henry County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
CoD—Colonie fine sand, 12 to 18 percent slopes				
	90	Colonie	3e	—
Cu—Cut and fill land				
	100	Cut and fill land	—	—
DeA—Del Rey loam, 0 to 2 percent slopes				
	100	Del rey	2w	—
DfA—Del Rey silt loam, 0 to 2 percent slopes				
	100	Del rey	2w	—
DuA—Digby fine sandy loam, 0 to 2 percent slopes				
	100	Digby	2w	—
DyA—Digby loam, 0 to 2 percent slopes				
	90	Digby	2w	—
DzA—Digby loam, 0 to 3 percent slopes				
	92	Digby	2w	—
Ee—Eel loam, 0 to 2 percent slopes, frequently flooded				
	100	Eel	2w	—
FsA—Fulton loam, 0 to 2 percent slopes				
	95	Fulton	3w	—
FsB—Fulton loam, 2 to 6 percent slopes				
	100	Fulton	3e	—
FuA—Fulton silty clay loam, 0 to 2 percent slopes				
	95	Fulton	3w	—
FuB—Fulton silty clay loam, 2 to 6 percent slopes				
	100	Fulton	3e	—
FvA—Fulton loam, sandy subsoil variant, 0 to 2 percent slopes				
	95	Fulton variant	3w	—
GaA—Galen fine sand, 0 to 2 percent slopes				
	100	Galen	2s	—
GaB—Galen fine sand, 2 to 6 percent slopes				
	100	Galen	2e	—

Land Capability Classification—Henry County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
GbB—Galen loamy fine sand, 1 to 6 percent slopes				
	85	Galen	2e	—
Gm—Genesee loam				
	100	Genesee	2w	—
Go—Gilford fine sandy loam				
	95	Gilford	2w	—
Gr—Granby loamy fine sand				
	95	Granby	4w	—
Gv—Gravel pits				
	100	Gravel pits	—	—
HaA—Haney fine sandy loam, 0 to 2 percent slopes				
	90	Haney	1	—
HaB—Haney fine sandy loam, 2 to 6 percent slopes				
	95	Haney	2e	—
HcA—Hoytville silty clay loam, 0 to 1 percent slopes				
	91	Hoytville	2w	—
HdA—Haney loam, 0 to 2 percent slopes				
	95	Haney	1	—
HdB—Haney loam, 2 to 6 percent slopes				
	100	Haney	2e	—
HeC—Haney and Rawson loams, 6 to 12 percent slopes				
	50	Haney	3e	—
	50	Rawson	3e	—
HkA—Haskins fine sandy loam, 0 to 2 percent slopes				
	95	Haskins	2w	—
HIA—Haskins loam, 0 to 2 percent slopes				
	95	Haskins	2w	—
HIB—Haskins loam, 2 to 6 percent slopes				
	85	Haskins	2e	—
HnA—Haskins fine sandy loam, stratified substratum, 0 to 2 percent slopes				
	95	Haskins	2w	—

Land Capability Classification—Henry County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
HoA—Hoytville clay loam, 0 to 1 percent slopes				
	91	Hoytville	2w	—
KeA—Kibbie loamy fine sand, 0 to 2 percent slopes				
	90	Kibbie	2w	—
KfA—Kibbie fine sandy loam, 0 to 2 percent slopes				
	100	Kibbie	2w	—
KIA—Kibbie loam, 0 to 2 percent slopes				
	100	Kibbie	2w	—
La—Latty clay				
	95	Latty	3w	—
Lb—Latty silty clay				
	85	Latty	3w	—
Le—Lenawee loam				
	95	Lenawee	2w	—
Lf—Lenawee silty clay loam				
	95	Lenawee	2w	—
LwB2—Lucas silty clay loam, 2 to 6 percent slopes, moderately eroded				
	95	Lucas	3e	—
LwC2—Lucas silty clay loam, 6 to 12 percent slopes, moderately eroded				
	95	Lucas	4e	—
LxC3—Lucas silty clay, 6 to 12 percent slopes, severely eroded				
	95	Lucas	6e	—
LxE3—Lucas silty clay, 12 to 45 percent slopes, severely eroded				
	95	Lucas	7e	—
Mb—Mermill-Aurand complex, 0 to 1 percent slopes				
	60	Mermill	2w	—
	35	Aurand	2w	—
Mc—Mermill silty clay loam				
	95	Mermill	2w	—
Md—Medway silt loam				
	100	Medway	2w	—

Land Capability Classification—Henry County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Me—Merrill loam				
	95	Merrill	2w	—
Mf—Merrill clay loam				
	95	Merrill	2w	—
Mg—Merrill loam, stratified substratum				
	95	Merrill	2w	—
Mh—Millgrove loam				
	95	Millgrove	2w	—
Mk—Millgrove clay loam				
	95	Millgrove	2w	—
NaA—Nappanee loam, 0 to 2 percent slopes				
	95	Nappanee	3w	—
NaB—Nappanee loam, 2 to 6 percent slopes				
	95	Nappanee	3e	—
NtA—Nappanee silty clay loam, 0 to 2 percent slopes				
	95	Nappanee	3w	—
NtB—Nappanee silty clay loam, 2 to 6 percent slopes				
	95	Nappanee	3e	—
NtB2—Nappanee silty clay loam, 2 to 6 percent slopes, moderately eroded				
	100	Nappanee	3e	—
OaC—Oakville fine sand, 2 to 12 percent slopes				
	100	Oakville	6s	—
ObB—Oakville fine sand, 2 to 6 percent slopes				
	85	Oakville	4s	—
ObC—Oakville fine sand, 6 to 12 percent slopes				
	85	Oakville	6s	—
OsB—Oshtemo sandy loam, 2 to 6 percent slopes				
	100	Oshtemo	3s	3e
OtB—Ottokee fine sand, 1 to 5 percent slopes				
	100	Ottokee	3s	—
OuB—Ottokee fine sand, 0 to 6 percent slopes				
	85	Ottokee	3s	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
OzB—Ottokee-Spinks loamy fine sands, 2 to 6 percent slopes				
	51	Ottokee	3s	—
	49	Spinks	3s	3s
Pa—Paulding clay, 0 to 1 percent slopes				
	93	Paulding	3w	—
Pt—Pits, quarry				
	100	Pits, quarry	—	—
RaB—Rawson sandy loam, 2 to 6 percent slopes				
	95	Rawson	2e	—
RdB—Rawson loam, 2 to 6 percent slopes				
	95	Rawson	2e	—
ReB—Rawson fine sandy loam, stratified substratum, 2 to 6 percent slopes				
	100	Rawson	2e	—
RfA—Rimer loamy fine sand, 0 to 2 percent slopes				
	95	Rimer	2w	—
RgA—Rimer loamy fine sand, 0 to 3 percent slopes				
	85	Rimer	2w	—
RhB—Rimer and Tedrow, till substratum, loamy fine sands, 2 to 6 percent slopes				
	46	Rimer	2e	—
	44	Tedrow, till substratum	3s	—
RmA—Rimer loamy fine sand, stratified substratum, 0 to 2 percent slopes				
	95	Rimer	2w	—
RoA—Roselms silty clay loam, 0 to 2 percent slopes				
	95	Roselms	3w	—
RrA—Roselms silty clay, 0 to 2 percent slopes				
	95	Roselms	3w	—
Rs—Ross loam				
	100	Ross	2w	—
SaE3—St. Clair clay, 18 to 35 percent slopes, severely eroded				
	85	St. clair	7e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
SbB2—St. Clair silty clay loam, 2 to 6 percent slopes, moderately eroded				
	100	St. clair	3e	—
SbC2—St. Clair silty clay loam, 6 to 12 percent slopes, moderately eroded				
	100	St. clair	4e	—
SbD2—St. Clair silty clay loam, 12 to 18 percent slopes, eroded				
	90	St. clair	6e	—
SbE2—St. Clair silty clay loam, 18 to 25 percent slopes, eroded				
	90	St. clair	7e	—
ScC3—St. Clair silty clay, 6 to 12 percent slopes, severely eroded				
	95	St. clair	6e	—
ScD3—St. Clair silty clay, 12 to 18 percent slopes, severely eroded				
	95	St. clair	7e	—
ScE3—St. Clair silty clay, 18 to 25 percent slopes, severely eroded				
	95	St. clair	7e	—
ScF3—St. Clair silty clay, 25 to 45 percent slopes, severely eroded				
	95	St. clair	7e	—
SdB—Seward loamy fine sand, 2 to 6 percent slopes				
	95	Seward	2e	—
SdC—Seward loamy fine sand, 6 to 12 percent slopes				
	100	Seward	3e	—
SdD—Seward loamy fine sand, 12 to 18 percent slopes				
	100	Seward	4e	—
SeB—Seward loamy fine sand, stratified substratum, 2 to 6 percent slopes				
	100	Seward	2e	—
SeC—Seward loamy fine sand, stratified substratum, 6 to 12 percent slopes				
	100	Seward	3e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
SfA—Shinrock silt loam, sandy subsoil variant, 0 to 2 percent slopes				
	95	Shinrock variant	2s	—
Sh—Shoals silt loam				
	95	Shoals	2w	—
Sm—Sloan silty clay loam, 0 to 1 percent slopes, frequently flooded				
	90	Sloan	3w	—
Sn—Sloan loam, occasionally flooded				
	80	Sloan	3w	—
So—Sloan silty clay loam				
	90	Sloan	3w	—
SpB—Spinks fine sand, 2 to 6 percent slopes				
	100	Spinks	3s	3s
SpC—Spinks fine sand, 6 to 12 percent slopes				
	100	Spinks	3e	3e
SpD—Spinks fine sand, 12 to 18 percent slopes				
	100	Spinks	4e	—
TdA—Tedrow loamy fine sand, 0 to 2 percent slopes				
	95	Tedrow	3s	—
TeA—Tedrow loamy fine sand, silty subsoil variant, 0 to 2 percent slopes				
	95	Tedrow variant	2w	—
To—Toledo silty clay loam				
	95	Toledo	3w	—
TsA—Toussaint silty clay loam, 0 to 1 percent slopes				
	98	Toussaint	2w	—
Tt—Toledo silty clay				
	95	Toledo	3w	—
TuB2—Tuscola loam, 2 to 6 percent slopes, moderately eroded				
	100	Tuscola	2e	—
TuC2—Tuscola loam, 6 to 12 percent slopes, moderately eroded				
	100	Tuscola	3e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Ud—Udorthents, rolling				
	95	Udorthents	—	—
Ur—Urban land				
	100	Urban land	—	—
VaA—Vaughnsville loam, 0 to 2 percent slopes				
	100	Vaughnsville	2w	—
W—Water				
	100	Water	—	—
Wa—Wabasha silty clay				
	95	Wabasha	3w	—
Wc—Warners muck				
	95	Warners	3w	—
Wf—Wauseon fine sandy loam				
	95	Wauseon	3w	—
Wg—Wauseon loamy fine sand, stratified substratum				
	95	Wauseon	3w	—

Data Source Information

Soil Survey Area: Henry County, Ohio
 Survey Area Data: Version 10, Sep 18, 2014