

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—Wood County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AgA—Alvada loam, 0 to 1 percent slopes				
	95	Alvada	2w	—
AmA—Aurand fine sandy loam, 0 to 2 percent slopes				
	90	Aurand	2w	—
AnA—Aurand loam, 0 to 2 percent slopes				
	91	Aurand	2w	—
AsA—Aurand-Urban land complex, 0 to 2 percent slopes				
	50	Aurand	—	—
	40	Urban land	—	—
BeB—Belmore sandy loam, 1 to 4 percent slopes				
	90	Belmore	2e	—
BfB—Belmore loam, 1 to 4 percent slopes				
	100	Belmore	2e	—
CaA—Castalia very cobbly loam, 0 to 2 percent slopes				
	90	Castalia	6s	—
CbB—Castalia-Marblehead complex, very stony, 0 to 6 percent slopes				
	60	Castalia	6s	—
	35	Marblehead	6s	—
CcA—Colwood fine sandy loam, 0 to 1 percent slopes				
	90	Colwood	2w	—
CdA—Colwood loam, 0 to 1 percent slopes				
	90	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--Wood 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	—
CtA—Colwood-Urban land complex, 0 to 1 percent slopes				
	55	Colwood	—	—
	35	Urban land	—	—
CvA—Cygnet loam, 0 to 2 percent slopes				
	90	Cygnet	1	—
CxB—Castalia-Marblehead-Urban land complex, very stony, 0 to 6 percent slopes				
	40	Castalia	—	—
	30	Marblehead	—	—
	25	Urban land	—	—
DgA—Digby sandy loam, 0 to 2 percent slopes				
	95	Digby	2w	—
DhA—Digby loam, 0 to 2 percent slopes				
	90	Digby	2w	—
DrA—Dunbridge sandy loam, 0 to 2 percent slopes				
	90	Dunbridge	3s	—
DsA—Dunbridge-Spinks, deep to limestone, loamy fine sands, 0 to 2 percent slopes				
	47	Dunbridge	3s	—
	43	Spinks, deep to limestone	3e	—
DsB—Dunbridge-Spinks, deep to limestone, loamy fine sands, 2 to 6 percent slopes				
	47	Dunbridge	3s	—
	43	Spinks, deep to limestone	3e	—
EaA—Eel loam, 0 to 2 percent slopes, frequently flooded				
	100	Eel	2w	—
EmA—Eel silt loam, 0 to 2 percent slopes, frequently flooded				
	100	Eel	2w	—
EnA—Eel silt loam, moderately deep to limestone, 0 to 2 percent slopes, frequently flooded				
	100	Eel, moderately deep to limestone	2w	—

Land Capability Classification--Wood County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
FcA—Flatrock silt loam, 0 to 2 percent slopes, occasionally flooded				
	90	Flatrock	2w	—
FuA—Fulton silty clay loam, till substratum, 0 to 2 percent slopes				
	95	Fulton, till substratum	3w	—
FuB—Fulton silty clay loam, till substratum, 2 to 6 percent slopes				
	95	Fulton, till substratum	3e	—
FzA—Fulton, till substratum-Urban land complex, 0 to 2 percent slopes				
	60	Fulton, till substratum	—	—
	35	Urban land	—	—
GmA—Genesee loam, 0 to 2 percent slopes, frequently flooded				
	100	Genesee	2w	—
GnA—Genesee silt loam, 0 to 2 percent slopes, frequently flooded				
	100	Genesee	2w	—
GpA—Granby loamy fine sand, till substratum, 0 to 1 percent slopes				
	85	Granby, till substratum	4w	—
HaA—Haney sandy loam, 0 to 2 percent slopes				
	100	Haney	1	—
HaB—Haney sandy loam, 2 to 6 percent slopes				
	100	Haney	2e	—
HcA—Hoytville silty clay loam, 0 to 1 percent slopes				
	91	Hoytville	2w	—
HdA—Haney loam, 0 to 2 percent slopes				
	100	Haney	1	—
HdB—Haney loam, 2 to 6 percent slopes				
	100	Haney	2e	—
HeA—Haskins and Digby, till substratum, fine sandy loams, 0 to 2 percent slopes				
	46	Haskins	2w	—
	44	Digby, till substratum	2w	—

Land Capability Classification--Wood County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
HeB—Haskins and Digby, till substratum, fine sandy loams, 2 to 6 percent slopes				
	46	Haskins	2e	—
	44	Digby, till substratum	2e	—
HfA—Haskins and Digby, till substratum, loams, 0 to 2 percent slopes				
	46	Haskins	2w	—
	44	Digby, till substratum	2w	—
HfB—Haskins and Digby, till substratum, loams, 2 to 6 percent slopes				
	46	Haskins	2e	—
	44	Digby, till substratum	2e	—
HoA—Hoytville clay loam, 0 to 1 percent slopes				
	91	Hoytville	2w	—
HyA—Hoytville-Urban land complex, 0 to 1 percent slopes				
	60	Hoytville	—	—
	35	Urban land	—	—
JoA—Joliet silty clay loam, 0 to 1 percent slopes				
	90	Joliet	4w	—
KeA—Kibbie loamy fine sand, 0 to 2 percent slopes				
	90	Kibbie	2w	—
KfA—Kibbie fine sandy loam, 0 to 2 percent slopes				
	90	Kibbie	2w	—
KfB—Kibbie fine sandy loam, 2 to 6 percent slopes				
	90	Kibbie	2e	—
KkA—Kibbie-Urban land complex, 0 to 2 percent slopes				
	55	Kibbie	—	—
	35	Urban land	—	—
LbB—Landes loamy fine sand, 0 to 6 percent slopes, frequently flooded				
	95	Landes	2w	—
LdA—Latty silty clay, till substratum, 0 to 1 percent slopes				
	93	Latty, till substratum	3w	—

Land Capability Classification--Wood County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
LgA—Latty, till substratum-Urban land complex, 0 to 1 percent slopes				
	63	Latty, till substratum	—	—
	30	Urban land	—	—
MbA—Millgrove loam, 0 to 1 percent slopes				
	90	Millgrove	2w	—
McA—Mermill fine sandy loam, 0 to 1 percent slopes				
	90	Mermill	2w	—
MdA—Mermill loam, 0 to 1 percent slopes				
	90	Mermill	2w	—
MeA—Mermill sandy clay loam, 0 to 1 percent slopes				
	90	Mermill	2w	—
MfA—Mermill-Aurand complex, 0 to 1 percent slopes				
	60	Mermill	2w	—
	35	Aurand	2w	—
MgA—Mermill-Urban land complex, 0 to 1 percent slopes				
	60	Mermill	—	—
	30	Urban land	—	—
MhA—Millsdale silty clay loam, 0 to 1 percent slopes				
	90	Millsdale	3w	—
MkA—Millsdale silty clay loam, stony, 0 to 1 percent slopes				
	90	Millsdale	6s	—
MmA—Millsdale-Urban land complex, 0 to 1 percent slopes				
	65	Millsdale	—	—
	25	Urban land	—	—
MnA—Milton loam, 0 to 2 percent slopes				
	90	Milton	2s	—
MnB—Milton loam, 2 to 6 percent slopes				
	90	Milton	2e	—
NmA—Nappanee sandy loam, 0 to 2 percent slopes				
	100	Nappanee	3w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
NmB—Nappanee sandy loam, 2 to 6 percent slopes				
	100	Nappanee	3e	—
NnA—Nappanee loam, 0 to 2 percent slopes				
	90	Nappanee	3w	—
NnB—Nappanee loam, 2 to 6 percent slopes				
	90	Nappanee	3e	—
NnB2—Nappanee loam, 2 to 6 percent slopes, eroded				
	90	Nappanee	3e	—
NpA—Nappanee silty clay loam, 0 to 2 percent slopes				
	90	Nappanee	3w	—
NpB—Nappanee silty clay loam, 2 to 6 percent slopes				
	100	Nappanee	3e	—
NpB2—Nappanee silty clay loam, 2 to 6 percent slopes, eroded				
	90	Nappanee	3e	—
NsA—Nappanee-Urban land complex, 0 to 2 percent slopes				
	60	Nappanee	—	—
	30	Urban land	—	—
OsB—Oshtemo sandy loam, till substratum, 2 to 6 percent slopes				
	95	Oshtemo, till substratum	3e	—
OtA—Ottokee-Spinks loamy fine sands, 0 to 2 percent slopes				
	46	Ottokee	3s	—
	44	Spinks	3s	—
OtB—Ottokee-Spinks loamy fine sands, 2 to 6 percent slopes				
	51	Ottokee	3s	—
	49	Spinks	3s	3s
OzB—Ottokee-Spinks-Urban land complex, 0 to 6 percent slopes				
	36	Ottokee	—	—
	34	Spinks	—	—
	25	Urban land	—	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Pt—Pits, quarry				
	100	Pits, quarry	—	—
RbA—Randolph loam, 0 to 2 percent slopes				
	90	Randolph	3w	—
RbB—Randolph loam, 2 to 6 percent slopes				
	90	Randolph	3e	—
RcA—Rimer loamy fine sand, 0 to 2 percent slopes				
	95	Rimer	2w	—
RdA—Randolph loam, stony, 0 to 2 percent slopes				
	90	Randolph	6s	—
ReA—Randolph-Urban land complex, 0 to 2 percent slopes				
	55	Randolph	—	—
	35	Urban land	—	—
RfA—Rimer and Tedrow, till substratum, loamy fine sands, 0 to 2 percent slopes				
	46	Rimer	2w	—
	44	Tedrow, till substratum	3s	—
RfB—Rimer and Tedrow, till substratum, loamy fine sands, 2 to 6 percent slopes				
	46	Rimer	2e	—
	44	Tedrow, till substratum	3s	—
RgA—Rimer and Tedrow-Urban land complex, 0 to 2 percent slopes				
	34	Rimer	—	—
	31	Tedrow, till substratum	—	—
	25	Urban land	—	—
RhA—Ritchey loam, 0 to 2 percent slopes				
	90	Ritchey	3s	—
RhB—Ritchey loam, 2 to 6 percent slopes				
	90	Ritchey	3e	—
RkA—Ritchey loam, stony, 0 to 2 percent slopes				
	90	Ritchey	6s	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
RmA—Risingsun-Rollersville complex, 0 to 1 percent slopes				
	60	Risingsun	3w	—
	35	Rollersville	3w	—
RnA—Rollersville-Risingsun complex, 0 to 1 percent slopes				
	65	Rollersville	3w	—
	35	Risingsun	3w	—
RsA—Rossburg silt loam, 0 to 2 percent slopes, frequently flooded				
	100	Rossburg	2w	—
SdA—Seward and Ottokee, till substratum, loamy fine sands, 0 to 2 percent slopes				
	46	Seward	2s	—
	44	Ottokee, till substratum	3s	—
SdB—Seward and Ottokee, till substratum, loamy fine sands, 2 to 6 percent slopes				
	46	Seward	2e	—
	44	Ottokee, till substratum	3s	—
SeA—Shawtown loam, 0 to 2 percent slopes				
	98	Shawtown	1	—
SeB—Shawtown loam, 2 to 6 percent slopes				
	98	Shawtown	2e	—
SgA—Shoals loam, 0 to 2 percent slopes, frequently flooded				
	100	Shoals	2w	—
ShA—Shoals silt loam, 0 to 2 percent slopes, frequently flooded				
	90	Shoals	2w	—
SkA—Shoals silty clay loam, 0 to 2 percent slopes, frequently flooded				
	90	Shoals	2w	—
SmA—Shoals and Sloan complex, moderately deep to limestone, 0 to 2 percent slopes, frequently flooded				
	51	Shoals, moderately deep to limestone	3w	—
	49	Sloan, moderately deep to limestone	3w	—
SnA—Sloan silt loam, 0 to 1 percent slopes, frequently flooded				
	90	Sloan	3w	—

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			Nonirrigated	Irrigated
SoA—Sloan silty clay loam, 0 to 1 percent slopes, occasionally flooded				
	95	Sloan	3w	—
SpA—Sloan silty clay loam, 0 to 1 percent slopes, frequently flooded				
	90	Sloan	3w	—
SrB—Spinks fine sand, 2 to 6 percent slopes				
	90	Spinks	3s	3s
SrC—Spinks fine sand, 6 to 12 percent slopes				
	90	Spinks	3e	3e
SrD—Spinks fine sand, 12 to 18 percent slopes				
	90	Spinks	4e	—
SsB—Spinks loamy fine sand, 2 to 6 percent slopes				
	90	Spinks	3s	3s
SsC—Spinks loamy fine sand, 6 to 12 percent slopes				
	90	Spinks	3e	3e
StB—St. Clair loam, 2 to 6 percent slopes				
	90	St. clair	3e	—
StC2—St. Clair loam, 6 to 12 percent slopes, eroded				
	90	St. clair	4e	—
SuB2—St. Clair silty clay loam, 2 to 6 percent slopes, eroded				
	100	St. clair	3e	—
SuC2—St. Clair silty clay loam, 6 to 12 percent slopes, eroded				
	90	St. clair	4e	—
SuD2—St. Clair silty clay loam, 12 to 18 percent slopes, eroded				
	90	St. clair	6e	—
SuE2—St. Clair silty clay loam, 18 to 25 percent slopes, eroded				
	90	St. clair	7e	—
TeA—Tedrow loamy fine sand, 0 to 2 percent slopes				
	90	Tedrow	3s	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
TeB—Tedrow loamy fine sand, 2 to 6 percent slopes				
	100	Tedrow	3s	—
TfA—Tedrow-Urban land complex, 0 to 2 percent slopes				
	60	Tedrow	—	—
	30	Urban land	—	—
TpA—Toledo silty clay loam, 0 to 1 percent slopes				
	90	Toledo	3w	—
TsA—Toussaint silty clay loam, 0 to 1 percent slopes				
	98	Toussaint	2w	—
TuA—Toledo-Urban land complex, 0 to 1 percent slopes				
	55	Toledo	—	—
	35	Urban land	—	—
UcA—Udorthents, loamy, 0 to 2 percent slopes				
	85	Udorthents	—	—
UcE—Udorthents, loamy, 2 to 25 percent slopes				
	90	Udorthents	—	—
Ur—Urban land				
	100	Urban land	—	—
W—Water				
	100	Water	—	—
WbA—Wabasha silty clay, 0 to 1 percent slopes, frequently flooded				
	90	Wabasha	3w	—
WmA—Wauseon loamy fine sand, 0 to 1 percent slopes				
	90	Wauseon	3w	—
WnA—Wauseon fine sandy loam, deep to till, 0 to 1 percent slopes				
	90	Wauseon, deep to till	3w	—
WyA—Wauseon fine sandy loam, 0 to 1 percent slopes				
	90	Wauseon	3w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
WzA--Wauseon-Urban land complex, 0 to 1 percent slopes				
	55	Wauseon	—	—
	35	Urban land	—	—

Data Source Information

Soil Survey Area: Wood County, Ohio
 Survey Area Data: Version 16, Sep 19, 2014