

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—Putnam County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AkA—Alvada loam, 0 to 1 percent slopes				
	90	Alvada	2w	—
AmA—Alvada silty clay loam, 0 to 1 percent slopes				
	90	Alvada	2w	—
ArB—Arkport loamy fine sand, 2 to 6 percent slopes				
	100	Arkport	2e	—
AsA—Aurand loam, 0 to 2 percent slopes				
	90	Aurand	2w	—
AuA—Aurand loam, 0 to 3 percent slopes				
	85	Aurand	2w	—
BIB—Belmore sandy loam, 2 to 6 percent slopes				
	100	Belmore	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	—
BmA—Belmore loam, 0 to 2 percent slopes				
	100	Belmore	2s	—
BmB—Belmore loam, 2 to 6 percent slopes				
	100	Belmore	2e	—
BmC—Belmore loam, 6 to 12 percent slopes				
	100	Belmore	3e	—
BnA—Blount loam, 0 to 2 percent slopes				
	85	Blount	2w	—

Land Capability Classification--Putnam County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
BrB—Blount-Del Rey silt loams, 1 to 6 percent slopes				
	35	Blount	2e	—
	35	Del rey	2e	—
Bs—Bono silty clay loam				
	100	Bono	3w	—
BtB—Broughton silty clay loam, 2 to 6 percent slopes				
	100	Broughton	3e	—
BuB2—Broughton clay, 2 to 6 percent slopes, moderately eroded				
	100	Broughton	3e	—
BuC2—Broughton clay, 6 to 12 percent slopes, moderately eroded				
	100	Broughton	4e	—
BuC3—Broughton clay, 6 to 12 percent slopes, severely eroded				
	85	Broughton	6e	—
BuD2—Broughton clay, 12 to 18 percent slopes, moderately eroded				
	100	Broughton	6e	—
BuE3—Broughton clay, 18 to 25 percent slopes, severely eroded				
	100	Broughton	7e	—
BvA—Blount-Jenera complex, 0 to 3 percent slopes				
	55	Blount	2w	—
	40	Jenera	1	—
BwB2—Broughton silty clay loam, 2 to 6 percent slopes, eroded				
	93	Broughton	3e	—
BwC2—Broughton silty clay loam, 6 to 12 percent slopes, eroded				
	95	Broughton	4e	—
BwD2—Broughton silty clay loam, 12 to 18 percent slopes, eroded				
	95	Broughton	6e	—
Cp—Clay pits				
	95	Clay pits	—	—

Land Capability Classification--Putnam County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
CsA—Colwood loam, 0 to 1 percent slopes				
	80	Colwood	2w	—
Cw—Colwood loam				
	100	Colwood	2w	—
Cx—Cut and fill land				
	95	Cut and fill land	—	—
CyA—Cygnet loam, 0 to 2 percent slopes				
	90	Cygnet	1	—
CzA—Cygnet loam, 0 to 3 percent slopes				
	90	Cygnet	1	—
DbA—Darroch loam, 0 to 2 percent slopes				
	90	Darroch	2w	—
Df—Defiance silty clay loam				
	95	Defiance	3w	—
DgA—Del Rey loam, 0 to 2 percent slopes				
	90	Del rey	2w	—
DhA—Del Rey-Blount complex, 0 to 3 percent slopes				
	55	Del rey	2w	—
	40	Blount	2w	—
DIA—Del Rey silt loam, 0 to 2 percent slopes				
	90	Del rey	2w	—
DIB—Del Rey silt loam, 2 to 6 percent slopes				
	90	Del rey	2e	—
DmB—Del Rey-Fulton silt loams, 1 to 6 percent slopes				
	40	Del rey	2e	—
	40	Fulton	3e	—
DnA—Digby loam, 0 to 2 percent slopes				
	90	Digby	2w	—
DnB—Digby loam, 2 to 6 percent slopes				
	90	Digby	2e	—
DoA—Digby loam, moderately shallow variant, 0 to 2 percent slopes				
	95	Digby variant	2w	—
FsA—Fulton silt loam, 0 to 2 percent slopes				
	80	Fulton	3w	—

Land Capability Classification--Putnam County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
FtA—Fulton loam, 0 to 2 percent slopes				
	95	Fulton	3w	—
FuA—Fulton silty clay loam, 0 to 2 percent slopes				
	95	Fulton	3w	—
FuB—Fulton silty clay loam, 2 to 6 percent slopes				
	90	Fulton	3e	—
FvA—Fulton silty clay loam, gravelly substratum, 0 to 2 percent slopes				
	90	Fulton	3w	—
FwA—Fulton silty clay loam, loamy substratum, 0 to 2 percent slopes				
	95	Fulton	3w	—
FxA—Fulton silt loam, till substratum, 0 to 2 percent slopes				
	95	Fulton, till substratum	3w	—
GaB—Gallman loam, 2 to 6 percent slopes				
	95	Gallman	2e	—
GdA—Glynwood loam, 0 to 2 percent slopes				
	100	Glynwood	1	—
GfB—Glynwood-Blount-Houcktown complex, 1 to 4 percent slopes				
	40	Glynwood	3e	—
	35	Blount	2e	—
	15	Houcktown	2e	—
Gn—Genesee silt loam				
	95	Genesee	2w	—
Gp—Gravel pits				
	95	Gravel pits	—	—
Gwg1B1—Glynwood silt loam, ground moraine, 2 to 6 percent slopes				
	85	Glynwood, ground moraine	2e	—
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	—

Land Capability Classification--Putnam County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
HdA—Haney loam, 0 to 2 percent slopes				
	100	Haney	1	—
HdB—Haney loam, 2 to 6 percent slopes				
	100	Haney	2e	—
HkA—Haskins fine sandy loam, 0 to 2 percent slopes				
	95	Haskins	2w	—
HkB—Haskins fine sandy loam, 2 to 6 percent slopes				
	95	Haskins	2e	—
HnA—Haskins loam, 0 to 2 percent slopes				
	90	Haskins	2w	—
HnB—Haskins loam, 2 to 6 percent slopes				
	85	Haskins	2e	—
HoA—Hoytville clay loam, 0 to 1 percent slopes				
	91	Hoytville	2w	—
HtA—Hoytville silty clay, 0 to 1 percent slopes				
	92	Hoytville	2w	—
HwB—Houcktown sandy loam, 2 to 4 percent slopes				
	95	Houcktown	2e	—
HxA—Houcktown loam, 0 to 2 percent slopes				
	95	Houcktown	1	—
HxB—Houcktown loam, 2 to 6 percent slopes				
	95	Houcktown	2e	—
HyB—Houcktown-Glynwood-Jenera complex, 1 to 4 percent slopes				
	40	Houcktown	2e	—
	30	Glynwood	3e	—
	25	Jenera	2e	—
JeA—Jenera fine sandy loam, 0 to 2 percent slopes				
	85	Jenera	1	—
KbA—Kibbie loam, 0 to 2 percent slopes				
	85	Kibbie	2w	—
KsA—Kibbie silt loam, 0 to 2 percent slopes				
	95	Kibbie	2w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
KtB—Kibbie-Del Rey silt loams, 1 to 6 percent slopes				
	40	Del rey	2e	—
	40	Kibbie	2e	—
Kw—Knoxdale silt loam, occasionally flooded				
	90	Knoxdale	2w	—
La—Latty silty clay loam				
	100	Latty	3w	—
Lb—Latty silty clay				
	95	Latty	3w	—
Lc—Latty clay				
	95	Latty	3w	—
Ln—Lenawee silt loam				
	100	Lenawee	2w	—
Ls—Lenawee silty clay loam				
	95	Lenawee	2w	—
LuB2—Lucas silty clay loam, loamy substratum, 2 to 6 percent slopes, eroded				
	95	Lucas	3e	—
LwB—Lucas silty clay loam, 2 to 6 percent slopes				
	100	Lucas	3e	—
LwB2—Lucas silty clay loam, 2 to 6 percent slopes, eroded				
	95	Lucas	3e	—
LwC2—Lucas silty clay loam, 6 to 12 percent slopes, moderately eroded				
	100	Lucas	4e	—
LwD2—Lucas silty clay loam, 12 to 18 percent slopes, moderately eroded				
	100	Lucas	6e	—
Mb—Medway silt loam, occasionally flooded				
	100	Medway	2w	—
Md—Mermill loam				
	95	Mermill	2w	—
Me—Mermill silty clay loam				
	95	Mermill	2w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Mf—Millgrove loam				
	95	Millgrove	2w	—
Mg—Millgrove silty clay loam				
	95	Millgrove	2w	—
Mh—Millgrove loam, till substratum				
	85	Millgrove	2w	—
MvB—Mortimer silt loam, 2 to 6 percent slopes				
	95	Mortimer	3e	—
NaA—Nappanee loam, 0 to 2 percent slopes				
	90	Nappanee	3w	—
NaB—Nappanee loam, 2 to 6 percent slopes				
	90	Nappanee	3e	—
NpA—Nappanee silt loam, 0 to 2 percent slopes				
	90	Nappanee	3w	—
NpB—Nappanee silt loam, 2 to 6 percent slopes				
	90	Nappanee	3e	—
NsA—Nappanee clay loam, 0 to 2 percent slopes				
	95	Nappanee	3w	—
NtA—Nappanee silty clay loam, 0 to 2 percent slopes				
	90	Nappanee	3w	—
OgB—Oshtemo fine sandy loam, 2 to 6 percent slopes				
	93	Oshtemo	3e	3e
OhB—Oshtemo sandy loam, till substratum, 2 to 6 percent slopes				
	92	Oshtemo, till substratum	3e	—
OkB—Ottokee loamy fine sand, 1 to 6 percent slopes				
	100	Ottokee	3s	—
OtB—Ottokee-Tuscola complex, 2 to 6 percent slopes				
	40	Tuscola	2e	—
	40	Ottokee	3s	—
Pa—Paulding silty clay loam				
	90	Paulding	3w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Pd—Paulding clay, 0 to 1 percent slopes				
	93	Paulding	3w	—
PfA—Patton silty clay loam, 0 to 1 percent slopes				
	85	Patton	2w	—
Pm—Pewamo silty clay loam				
	95	Pewamo	2w	—
PnA—Pewamo silty clay loam, 0 to 1 percent slopes				
	95	Pewamo	2w	—
Qu—Quarries				
	100	Quarries	—	—
RhA—Rensselaer loam, till substratum, 0 to 1 percent slopes				
	90	Rensselaer	2w	—
RkA—Rimer loamy sand, 0 to 2 percent slopes				
	96	Rimer	2w	—
RmA—Rawson loam, 0 to 2 percent slopes				
	100	Rawson	1	—
RmB—Rawson loam, 2 to 6 percent slopes				
	100	Rawson	2e	—
RmC2—Rawson loam, 6 to 12 percent slopes, moderately eroded				
	100	Rawson	3e	—
RnA—Rimer loamy fine sand, 0 to 2 percent slopes				
	100	Rimer	2w	—
RnB—Rimer loamy fine sand, 2 to 6 percent slopes				
	100	Rimer	2e	—
RoA—Roselms silt loam, 0 to 2 percent slopes				
	95	Roselms	3w	—
RoB—Roselms silt loam, 2 to 6 percent slopes				
	95	Roselms	3w	—
RsA—Roselms silty clay loam, 0 to 2 percent slopes				
	95	Roselms	3w	—

Land Capability Classification--Putnam County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
R _s B—Roselms silty clay loam, 2 to 6 percent slopes				
	95	Roselms	3w	—
R _t A—Roselms silty clay, 0 to 2 percent slopes				
	95	Roselms	3w	—
R _t B ₂ —Roselms silty clay, 2 to 6 percent slopes, eroded				
	95	Roselms	3e	—
R _w —Rossburg silt loam, occasionally flooded				
	85	Rossburg	2w	—
S _a B—St. Clair loam, 2 to 6 percent slopes				
	100	St. clair	3e	—
S _b C ₂ —St. Clair silty clay loam, 6 to 12 percent slopes, eroded				
	97	St. clair	4e	—
S _c B—St. Clair silt loam, 2 to 6 percent slopes				
	100	St. clair	3e	—
S _c C ₂ —St. Clair silt loam, 6 to 12 percent slopes, moderately eroded				
	100	St. clair	4e	—
S _c D ₂ —St. Clair silt loam, 12 to 18 percent slopes, moderately eroded				
	100	St. clair	6e	—
S _d A—Seward loamy fine sand, 0 to 2 percent slopes				
	100	Seward	2s	—
S _d B—Seward loamy fine sand, 2 to 6 percent slopes				
	100	Seward	2e	—
S _e B—Shawtown loam, 2 to 6 percent slopes				
	93	Shawtown	2e	—
S _f B—Shinrock silt loam, 2 to 6 percent slopes				
	100	Shinrock	2e	—
S _f C ₂ —Shinrock silt loam, 6 to 12 percent slopes, moderately eroded				
	100	Shinrock	3e	—
S _g C ₂ —Shinrock clay loam, 6 to 12 percent slopes, eroded				
	95	Shinrock	3e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Sh—Shoals silt loam				
	95	Shoals	2w	—
Sk—Shoals silt loam, moderately shallow variant				
	95	Shoals variant	2w	—
SmB—Shinrock, till substratum-Glynwood complex, 1 to 4 percent slopes				
	50	Shinrock, till substratum	2e	—
	40	Glynwood	3e	—
SnA—Shoals silt loam, 0 to 2 percent slopes, occasionally flooded				
	95	Shoals	2w	—
So—Sloan silty clay loam				
	95	Sloan	3w	—
SpA—Sloan loam, 0 to 1 percent slopes, occasionally flooded				
	90	Sloan	3w	—
SrA—Sloan silty clay loam, 0 to 1 percent slopes, occasionally flooded				
	90	Sloan	3w	—
SsA—Sloan silty clay loam, till substratum, 0 to 1 percent slopes, frequently flooded				
	90	Sloan	3w	—
TdA—Tedrow loamy fine sand, 0 to 3 percent slopes				
	100	Tedrow	3s	—
ThA—Thackery loam, till substratum, 0 to 2 percent slopes				
	80	Thackery, till substratum	1	—
TkA—Tiderishi loam, 0 to 2 percent slopes				
	90	Tiderishi	2w	—
To—Toledo silty clay loam				
	100	Toledo	3w	—
TpA—Toledo silty clay loam, 0 to 1 percent slopes				
	90	Toledo	3w	—
Tt—Toledo silty clay				
	95	Toledo	3w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
TuB—Tuscola loam, 2 to 6 percent slopes				
	100	Tuscola	2e	—
TvB—Tuscola loamy fine sand, 2 to 6 percent slopes				
	93	Tuscola	2e	—
TwB—Tuscola-Shinrock complex, 2 to 6 percent slopes				
	40	Tuscola	2e	—
	40	Shinrock	2e	—
TxA—Tuscola fine sandy loam, 0 to 2 percent slopes				
	93	Tuscola	1	—
UdD—Udorthents, loamy, 12 to 25 percent slopes				
	90	Udorthents	—	—
Ur—Urban land				
	100	Urban land	—	—
VaB—Vaughnsville loam, 2 to 6 percent slopes				
	100	Vaughnsville	2e	—
VbA—Vanlue loam, 0 to 2 percent slopes				
	90	Vanlue	2w	—
W—Water				
	100	Water	—	—
Wa—Wabasha silty clay				
	100	Wabasha	3w	—
Wb—Wabasha silty clay loam, moderately shallow variant				
	100	Wabasha variant	3w	—
Wc—Wabasha silty clay loam, frequently flooded				
	90	Wabasha	3w	—
Wf—Wauseon fine sandy loam				
	95	Wauseon	3w	—
Wm—Willette muck				
	100	Willette	3w	—

Data Source Information

Soil Survey Area: Putnam County, Ohio
Survey Area Data: Version 13, Sep 19, 2014