

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—Seneca County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AdA—Adrian muck, drained, 0 to 1 percent slopes				
	95	Adrian, drained	4w	—
BdB—Belmore loam, 2 to 6 percent slopes				
	90	Belmore	2e	—
BfF2—Belmore-Morley complex, 18 to 50 percent slopes, eroded				
	65	Belmore	7e	—
	30	Morley	7e	—
BgA—Bennington silt loam, 0 to 2 percent slopes				
	85	Bennington	2w	—
BgB—Bennington silt loam, 2 to 6 percent slopes				
	95	Bennington	2e	—
BgB2—Bennington silt loam, 2 to 6 percent slopes, eroded				
	90	Bennington	3e	—
BhA—Bixler loamy fine sand, 0 to 2 percent slopes				
	85	Bixler	2w	—
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	—

Land Capability Classification--Seneca County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Bp--Bono silty clay, loamy substratum				
	90	Bono	3w	—
BrA--Blount-Houcktown complex, 0 to 3 percent slopes				
	60	Blount	2w	—
	35	Houcktown	1	—
BsA--Blount-Urban land complex, 0 to 2 percent slopes				
	50	Blount	—	—
	35	Urban land	—	—
BtA--Bogart loam, 0 to 2 percent slopes				
	90	Bogart	2s	—
Ca--Carlisle muck				
	95	Carlisle	5w	—
CdB2--Cardington silt loam, 2 to 6 percent slopes, moderately eroded				
	92	Cardington	2e	—
CdC2--Cardington silt loam, 6 to 12 percent slopes, moderately eroded				
	93	Cardington	3e	—
Ch--Chagrin silt loam, occasionally flooded				
	85	Chagrin	2w	—
CnA--Channahon silt loam, 0 to 2 percent slopes				
	85	Channahon	3s	—
CnB--Channahon silt loam, 2 to 6 percent slopes				
	85	Channahon	3e	—
Co--Colwood silt loam				
	85	Colwood	2w	—
Cp--Colwood fine sandy loam				
	90	Colwood	2w	—
CvA--Cygnet loam, 0 to 2 percent slopes				
	90	Cygnet	1	—
DeA--Del Rey silt loam, 0 to 2 percent slopes				
	91	Del rey	2w	—
DmA--Digby loam, 1 to 4 percent slopes				
	95	Digby	2w	—

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			Nonirrigated	Irrigated
DnA—Digby loam, 0 to 3 percent slopes				
	86	Digby	2w	—
DpB—Dunbridge loamy fine sand, 1 to 4 percent slopes				
	100	Dunbridge	3s	—
DrB—Dunbridge sandy loam, 1 to 4 percent slopes				
	90	Dunbridge	3s	—
DsB—Dunbridge-Spinks, deep to limestone, loamy fine sands, 2 to 6 percent slopes				
	47	Dunbridge	3s	—
	43	Spinks, deep to limestone	3e	—
FbA—Fitchville silt loam, 0 to 2 percent slopes				
	86	Fitchville	2w	—
FcA—Fitchville silt loam, 1 to 4 percent slopes				
	95	Fitchville	2w	—
GaA—Gallman loam, 0 to 2 percent slopes				
	90	Gallman	1	—
GaB—Gallman loam, 2 to 6 percent slopes				
	90	Gallman	2e	—
Ge—Genesee silt loam, occasionally flooded				
	75	Genesee	2w	—
GfA—Gilford mucky loam, 0 to 1 percent slopes				
	90	Gilford	3w	—
GhB—Glenford silt loam, 2 to 6 percent slopes				
	85	Glenford	2e	—
GmA—Glynwood loam, limestone substratum, 0 to 2 percent slopes				
	100	Glynwood, limestone substratum	1	—
GwA—Glynwood silt loam, 0 to 2 percent slopes				
	85	Glynwood	1	—
Gwd5C2—Glynwood clay loam, 6 to 12 percent slopes, eroded				
	85	Glynwood	4e	—
Gwe1B1—Glynwood silt loam, end moraine, 2 to 6 percent slopes				
	85	Glynwood, end moraine	2e	—

Land Capability Classification--Seneca County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Gwe5B2—Glynwood clay loam, end moraine, 2 to 6 percent slopes, eroded				
	85	Glynwood, end moraine	2e	—
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	—
Gwg5C2—Glynwood clay loam, ground moraine, 6 to 12 percent slopes, eroded				
	85	Glynwood	3e	—
HaA—Haney loam, 0 to 2 percent slopes				
	90	Haney	1	—
HaB—Haney loam, 2 to 6 percent slopes				
	90	Haney	2e	—
HaC2—Haney loam, 6 to 12 percent slopes, eroded				
	90	Haney	3e	—
HbB—Haskins sandy loam, 1 to 4 percent slopes				
	90	Haskins	2e	—
HcA—Hoytville silty clay loam, 0 to 1 percent slopes				
	91	Hoytville	2w	—
HkA—Haskins loam, 0 to 2 percent slopes				
	90	Haskins	2w	—
HkB—Haskins loam, 2 to 6 percent slopes				
	90	Haskins	2e	—
HmB—Haskins-Seward complex, 2 to 6 percent slopes				
	60	Haskins	2e	—
	30	Seward	2e	—
HnB—Houcktown loam, 2 to 6 percent slopes				
	90	Houcktown	2e	—
HoA—Hoytville clay loam, 0 to 1 percent slopes				
	91	Hoytville	2w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
HyA--Hoytville-Urban land complex, 0 to 1 percent slopes				
	60	Hoytville	—	—
	35	Urban land	—	—
JtA--Jimtown loam, 0 to 3 percent slopes				
	80	Jimtown	2w	—
KbA--Kibbie fine sandy loam, 0 to 2 percent slopes				
	90	Kibbie	2w	—
KcA--Kibbie-Blount complex, 0 to 2 percent slopes				
	40	Kibbie	2w	—
	35	Blount	2w	—
Le--Lenawee silty clay loam				
	95	Lenawee	2w	—
Lw--Linwood muck				
	90	Linwood	2w	—
LzB--Lykens-Milton silt loams, 2 to 6 percent slopes				
	50	Lykens	2e	—
	30	Milton	2e	—
MbA--Mermill loam, 0 to 1 percent slopes				
	90	Mermill	2w	—
MdA--Mermill-Urban land complex, 0 to 1 percent slopes				
	60	Mermill	—	—
	30	Urban land	—	—
Me--Mermill loam				
	85	Mermill	2w	—
Mf--Millgrove loam				
	95	Millgrove	2w	—
Mg--Millgrove silt loam				
	85	Millgrove	2w	—
Mh--Milford silty clay loam				
	85	Milford	2w	—
MkA--Millsdale silty clay loam, 0 to 1 percent slopes				
	90	Millsdale	3w	—

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			Nonirrigated	Irrigated
M1A—Milton loam, 0 to 2 percent slopes				
	90	Milton	2s	—
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	—
MoA—Milton variant loam, 0 to 2 percent slopes				
	85	Milton variant	2s	—
MoB—Milton variant loam, 2 to 6 percent slopes				
	85	Milton variant	2e	—
MpA—Morley loam, limestone substratum, 0 to 2 percent slopes				
	95	Morley, limestone substratum	1	—
MrD2—Morley silt loam, 12 to 18 percent slopes, eroded				
	95	Morley	4e	—
MrF2—Morley silt loam, 18 to 50 percent slopes, eroded				
	85	Morley	7e	—
MsB—Morley, limestone substratum-Milton complex, 2 to 6 percent slopes				
	60	Morley, limestone substratum	2e	—
	30	Milton	2e	—
NaA—Nappanee loam, 0 to 2 percent slopes				
	90	Nappanee	3w	—
NoA—Nappanee silt loam, 0 to 3 percent slopes				
	85	Nappanee	3w	—
NpA—Nappanee silt loam, 0 to 2 percent slopes				
	85	Nappanee	3w	—
NpB—Nappanee silt loam, 2 to 6 percent slopes				
	85	Nappanee	3e	—

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			Nonirrigated	Irrigated
NrA--Nappanee silty clay loam, 0 to 2 percent slopes				
	90	Nappanee	3w	—
NsA--Nappanee-Urban land complex, 0 to 2 percent slopes				
	60	Nappanee	—	—
	30	Urban land	—	—
OnC2--Oshtemo fine sandy loam, 6 to 18 percent slopes, eroded				
	82	Oshtemo	3e	—
OnE--Oshtemo fine sandy loam, 18 to 35 percent slopes				
	81	Oshtemo	7e	—
OpB--Oshtemo sandy loam, 2 to 6 percent slopes				
	85	Oshtemo	3s	3s
Pa--Pandora silt loam				
	85	Pandora	2w	—
Pb--Pandora silty clay loam				
	85	Pandora	2w	—
Pm--Pewamo silty clay loam				
	85	Pewamo	2w	—
PnA--Pewamo silty clay loam, 0 to 1 percent slopes				
	94	Pewamo	2w	—
PoA--Pewamo-Urban land complex, 0 to 2 percent slopes				
	50	Pewamo	—	—
	30	Urban land	—	—
Pt--Pits, quarries				
	100	Pits	—	—
RaA--Randolph loam, 0 to 2 percent slopes				
	90	Randolph	3w	—
RbA--Randolph silt loam, 0 to 2 percent slopes				
	85	Randolph	3w	—
RmB--Rawson loam, 2 to 6 percent slopes				
	85	Rawson	2e	—

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			Nonirrigated	Irrigated
RnB—Rimer loamy fine sand, 1 to 4 percent slopes				
	85	Rimer	2e	—
RoA—Rimer loamy sand, 0 to 2 percent slopes				
	85	Rimer	2w	—
RpB—Ritchey silt loam, 1 to 6 percent slopes				
	81	Ritchey	3e	—
RsB—Ritchey loam, 2 to 6 percent slopes				
	90	Ritchey	3e	—
Ru—Ross silt loam, occasionally flooded				
	90	Ross	2w	—
Rw—Rossburg silt loam, occasionally flooded				
	90	Rossburg	2w	—
Sb—Sebring silt loam				
	90	Sebring	3w	—
SdA—Seward loamy fine sand, 0 to 2 percent slopes				
	85	Seward	2s	—
SdB—Seward loamy fine sand, 2 to 6 percent slopes				
	85	Seward	2e	—
SeB—Shawtown loam, 2 to 6 percent slopes				
	98	Shawtown	2e	—
Sg—Shoals silt loam, 0 to 2 percent slopes, occasionally flooded				
	85	Shoals	2w	—
Sh—Shoals silt loam, 0 to 2 percent slopes, frequently flooded				
	85	Shoals	2w	—
SkA—Sloan silt loam, 0 to 1 percent slopes, frequently flooded				
	90	Sloan	3w	—
SoB—Spinks fine sand, 2 to 6 percent slopes				
	85	Spinks	3s	3s
SpB—Spinks loamy sand, 2 to 6 percent slopes				
	90	Spinks	3s	3s
TrA—Tiro silt loam, 0 to 2 percent slopes				
	90	Tiro	2w	—

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			Nonirrigated	Irrigated
TrB--Tiro silt loam, 2 to 6 percent slopes				
	85	Tiro	2e	—
Ua--Udorthents, loamy				
	90	Udorthents	—	—
Ur--Urban land				
	100	Urban land	—	—
W--Water				
	100	Water	—	—

Data Source Information

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