

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--Wyandot County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AdC2—Alexandria silt loam, 6 to 12 percent slopes, moderately eroded				
	93	Alexandria	3e	—
BeA—Belmore loam, 0 to 2 percent slopes				
	90	Belmore	2s	—
BeB—Belmore loam, 2 to 6 percent slopes				
	85	Belmore	2e	—
BgA—Bennington silt loam, 0 to 2 percent slopes				
	80	Bennington	2w	—
BgB—Bennington silt loam, 2 to 6 percent slopes				
	90	Bennington	2e	—
BkB—Biglick-Milton complex, 2 to 6 percent slopes				
	55	Biglick	3e	—
	40	Milton	2e	—
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	—
BpA—Blount-Jenera complex, 0 to 3 percent slopes				
	55	Blount	2w	—
	40	Jenera	1	—

Land Capability Classification--Wyandot County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Br—Bono silty clay				
	85	Bono	3w	—
BtA—Bogart loam, 0 to 2 percent slopes				
	90	Bogart	2s	—
BtB—Bogart loam, 2 to 6 percent slopes				
	100	Bogart	2e	—
CdB—Cardington silt loam, 2 to 6 percent slopes				
	92	Cardington	2e	—
CdB2—Cardington silt loam, 2 to 6 percent slopes, eroded				
	86	Cardington	2e	—
CdC2—Cardington silt loam, 6 to 12 percent slopes, eroded				
	87	Cardington	3e	—
CdD2—Cardington silt loam, 12 to 18 percent slopes, eroded				
	85	Cardington	4e	—
CeB—Centerburg silt loam, 1 to 4 percent slopes				
	85	Centerburg	2e	—
Ck—Carlisle muck				
	91	Carlisle	3w	—
Cm—Chagrin silt loam, rarely flooded				
	90	Chagrin	1	—
CnA—Chili loam, 0 to 2 percent slopes				
	100	Chili	2s	—
CnB—Chili loam, 2 to 6 percent slopes				
	100	Chili	2e	—
CnC2—Chili loam, 6 to 12 percent slopes, moderately eroded				
	100	Chili	3e	—
Co—Colwood silt loam				
	85	Colwood	2w	—
DeA—Del Rey silt loam, 0 to 2 percent slopes				
	91	Del rey	2w	—
DeB—Del Rey silt loam, 2 to 6 percent slopes				
	91	Del rey	2e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
DfA—Del Rey silt loam, 0 to 3 percent slopes				
	85	Del rey	2w	—
DgA—Digby loam, 0 to 3 percent slopes				
	86	Digby	2w	—
EtA—Elliott silt loam, 0 to 3 percent slopes				
	88	Elliott	2w	—
FcA—Fitchville silt loam, 0 to 2 percent slopes				
	86	Fitchville	2w	—
FcB—Fitchville silt loam, 2 to 6 percent slopes				
	86	Fitchville	2e	—
FuA—Fulton silty clay loam, 0 to 2 percent slopes				
	80	Fulton	3w	—
GaB—Gallman loam, 2 to 6 percent slopes				
	90	Gallman	2e	—
Ge—Genesee silt loam, occasionally flooded				
	75	Genesee	2w	—
GfB—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	—
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	—
Gwe1B2—Glynwood silt 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	—
Gwg1B2—Glynwood silt loam, ground moraine, 2 to 6 percent slopes, eroded				
	85	Glynwood, ground moraine	2e	—

Land Capability Classification--Wyandot County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
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				
	88	Haney	1	—
HaB—Haney loam, 2 to 6 percent slopes				
	92	Haney	2e	—
HaC2—Haney loam, 6 to 12 percent slopes, eroded				
	90	Haney	3e	—
HkA—Haskins loam, 0 to 2 percent slopes				
	73	Haskins	2w	—
HkB—Haskins loam, 2 to 6 percent slopes				
	76	Haskins	2e	—
HpE—Hennepin-Alexandria silt loams, 18 to 50 percent slopes				
	50	Hennepin	7e	—
	50	Alexandria	6e	—
HrB—Houcktown loam, 2 to 6 percent slopes				
	90	Houcktown	2e	—
JtA—Jimtown loam, 0 to 2 percent slopes				
	94	Jimtown	2w	—
KbA—Kibbie fine sandy loam, till substratum, 0 to 2 percent slopes				
	86	Kibbie	2w	—
KbB—Kibbie fine sandy loam, till substratum, 2 to 6 percent slopes				
	85	Kibbie	2e	—
KcA—Kibbie-Blount complex, 0 to 2 percent slopes				
	40	Kibbie	2w	—
	35	Blount	2w	—
KcB—Kibbie-Blount complex, 2 to 6 percent slopes				
	40	Kibbie	2e	—
	35	Blount	2e	—

Land Capability Classification--Wyandot County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
KdB—Kibbie-Bennington complex, 2 to 6 percent slopes				
	50	Kibbie	2e	—
	40	Bennington	2e	—
KeB—Kendallville loam, 2 to 6 percent slopes				
	85	Kendallville	2e	—
Lb—Latty silty clay loam				
	86	Latty	3w	—
Lc—Latty silty clay				
	85	Latty	3w	—
Le—Lenawee silty clay loam				
	95	Lenawee	2w	—
Lk—Lindside silt loam, occasionally flooded				
	76	Lindside	2w	—
Lm—Linwood muck				
	90	Linwood	2w	—
Lu—Luray silty clay loam				
	91	Luray	2w	—
LyA—Lykens silt loam, 0 to 2 percent slopes				
	85	Lykens	1	—
LyB—Lykens silt loam, 2 to 6 percent slopes				
	81	Lykens	2e	—
LzB—Lykens-Milton silt loams, 2 to 6 percent slopes				
	50	Lykens	2e	—
	30	Milton	2e	—
MaB—Martinsville fine sandy loam, 2 to 6 percent slopes				
	81	Martinsville	2e	—
Mb—Marengo silty clay loam				
	100	Marengo	2w	—
Md—Medway silt loam, rarely flooded				
	80	Medway	1	—
Mf—Merrill loam				
	85	Merrill	2w	—
Mg—Merrill silty clay loam				
	85	Merrill	2w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Mh—Milford silty clay loam				
	85	Milford	2w	—
Mj—Millgrove loam				
	95	Millgrove	2w	—
Mk—Millgrove silt loam				
	85	Millgrove	2w	—
Mm—Millsdale silty clay loam				
	90	Millsdale	3w	—
MnA—Millsdale silty clay loam, 0 to 1 percent slopes				
	90	Millsdale	3w	—
MoA—Milton silt loam, 0 to 2 percent slopes				
	91	Milton	2s	—
MoB—Milton silt loam, 2 to 6 percent slopes				
	82	Milton	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				
	76	Morley	4e	—
MrF2—Morley silt loam, 18 to 50 percent slopes, eroded				
	85	Morley	7e	—
MsB—Morley-Milton silt loams, 2 to 6 percent slopes				
	60	Morley	2e	—
	30	Milton	2e	—
MtB—Morley, limestone substratum-Milton complex, 2 to 6 percent slopes				
	60	Morley, limestone substratum	2e	—
	30	Milton	2e	—
NpB—Nappanee silt loam, 2 to 6 percent slopes				
	91	Nappanee	3e	—
NtA—Nappanee silty clay loam, 0 to 2 percent slopes				
	91	Nappanee	3w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
NtB2—Nappanee silty clay loam, 2 to 6 percent slopes, eroded				
	86	Nappanee	3e	—
NtC2—Nappanee silty clay loam, 6 to 12 percent slopes, eroded				
	80	Nappanee	4e	—
Nw—Newark silt loam, occasionally flooded				
	85	Newark	2w	—
OcB—Ockley loam, 2 to 6 percent slopes				
	90	Ockley	2e	—
On—Olentangy mucky silt loam				
	91	Olentangy	3w	—
OrB—Oshtemo sandy loam, 2 to 6 percent slopes				
	85	Oshtemo	3s	3s
OsB—Oshtemo fine sandy loam, 1 to 6 percent slopes				
	83	Oshtemo	3s	3e
OsC2—Oshtemo fine sandy loam, 6 to 18 percent slopes, eroded				
	82	Oshtemo	3e	—
OsE—Oshtemo fine sandy loam, 18 to 35 percent slopes				
	81	Oshtemo	7e	—
Pa—Pandora silty clay loam				
	90	Pandora	2w	—
Pd—Paulding clay				
	91	Paulding	3w	—
PkA—Pewamo silty clay loam, 0 to 1 percent slopes				
	94	Pewamo	2w	—
Pm—Pewamo silty clay loam				
	86	Pewamo	2w	—
Ps—Pits, gravel				
	100	Pits, gravel	—	—
Pu—Pits, quarry				
	100	Pits, quarry	—	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
RaA—Randolph silt loam, 0 to 3 percent slopes				
	91	Randolph	3w	—
RbA—Randolph silt loam, 0 to 2 percent slopes				
	85	Randolph	3w	—
RhB—Ritchey silt loam, 1 to 6 percent slopes				
	81	Ritchey	3e	—
RhC—Ritchey silt loam, 6 to 12 percent slopes				
	81	Ritchey	4e	—
SeB—Shinrock silt loam, 2 to 6 percent slopes				
	90	Shinrock	2e	—
SeB2—Shinrock silt loam, 2 to 6 percent slopes, eroded				
	81	Shinrock	2e	—
SeC2—Shinrock silt loam, 6 to 12 percent slopes, eroded				
	81	Shinrock	3e	—
SfC2—Shinrock-Martinsville complex, 6 to 12 percent slopes, eroded				
	30	Shinrock	3e	—
	30	Martinsville	3e	—
SfD2—Shinrock-Martinsville complex, 12 to 18 percent slopes, eroded				
	30	Martinsville	4e	—
	30	Shinrock	4e	—
Sg—Shoals silt loam, rarely flooded				
	76	Shoals	2w	—
Sh—Shoals silt loam, 0 to 2 percent slopes, occasionally flooded				
	85	Shoals	2w	—
Sk—Shoals silt loam, 0 to 2 percent slopes, frequently flooded				
	85	Shoals	2w	—
So—Sloan silt loam, occasionally flooded				
	79	Sloan	3w	—
SpA—Sloan silty clay loam, 0 to 1 percent slopes, occasionally flooded				
	90	Sloan	3w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
TrA—Tiro silt loam, 0 to 2 percent slopes				
	87	Tiro	2w	—
TrB—Tiro silt loam, 2 to 6 percent slopes				
	87	Tiro	2e	—
TuB—Tuscola fine sandy loam, 2 to 6 percent slopes				
	85	Tuscola	2e	—
Ud—Udorthents, loamy				
	80	Udorthents, loamy	—	—
Ur—Urban land-Udorthents complex				
	50	Udorthents	—	—
	50	Urban land	—	—
W—Water				
	100	Water	—	—
We—Westland clay loam				
	90	Westland	2w	—
WfA—Westland-Rensselaer complex, 0 to 1 percent slopes				
	50	Westland	2w	—
	40	Rensselaer	2w	—
WmB—Wilmer Variant silt loam, 2 to 6 percent slopes				
	97	Wilmer variant	2e	—

Data Source Information

Soil Survey Area: Wyandot County, Ohio
 Survey Area Data: Version 14, Sep 19, 2014