

## 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—Van Wert County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
BIB—Belmore sandy loam, 2 to 6 percent slopes				
	100	Belmore	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	—
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	—
BnB—Blount loam, 2 to 6 percent slopes				
	85	Blount	2e	—
BoB2—Blount silt loam, 2 to 6 percent slopes, eroded				
	85	Blount	2e	—
Cp—Clay pits				
	99	Clay pits	—	—
Cw—Colwood silt loam				
	100	Colwood	2w	—

Land Capability Classification--Van Wert County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Cx—Cut and fill land				
	98	Cut and fill land	—	—
De—Defiance silt loam				
	92	Defiance	3w	—
Df—Defiance silty clay loam				
	92	Defiance	3w	—
DgA—Digby sandy loam, 0 to 2 percent slopes				
	92	Digby	2w	—
DgB—Digby sandy loam, 2 to 6 percent slopes				
	92	Digby	2e	—
DmA—Digby loam, 0 to 2 percent slopes				
	90	Digby	2w	—
DmB—Digby loam, 2 to 6 percent slopes				
	90	Digby	2e	—
Em—Eel silt loam				
	95	Eel	2w	—
EoB—Elliott silt loam, 0 to 4 percent slopes				
	94	Elliott	2e	—
GaB—Gallman sandy loam, 2 to 6 percent slopes				
	100	Gallman	2e	—
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--Van Wert 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	—
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				
	99	Haney	1	—
HdB—Haney loam, 2 to 6 percent slopes				
	100	Haney	2e	—
HkA—Haskins fine sandy loam, 0 to 2 percent slopes				
	93	Haskins	2w	—
HkB—Haskins fine sandy loam, 2 to 6 percent slopes				
	95	Haskins	2e	—
HnA—Haskins loam, 0 to 2 percent slopes				
	92	Haskins	2w	—
HnB—Haskins loam, 2 to 6 percent slopes				
	88	Haskins	2e	—
Hs—Hoytville silty clay loam, moderately shallow variant				
	100	Hoytville variant	3w	—
HtA—Hoytville silty clay, 0 to 1 percent slopes				
	92	Hoytville	2w	—
Ks—Kibbie silt loam				
	94	Kibbie	2w	—
La—Latty silty clay loam				
	99	Latty	3w	—
Lb—Latty silty clay				
	95	Latty	3w	—
Lc—Latty clay				
	100	Latty	3w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Mc—McGary silt loam				
	92	Mcgary	3w	—
Md—Mermill silt loam				
	100	Mermill	2w	—
Me—Millgrove silt loam				
	99	Millgrove	2w	—
Mg—Millgrove silty clay loam				
	98	Millgrove	2w	—
Mni3A—Minster silty clay loam, till substratum, 0 to 1 percent slopes				
	85	Minster, till substratum	3w	—
Mns3A—Minster silty clay loam, 0 to 1 percent slopes				
	90	Minster	3w	—
MoB—Glynwood loam, 2 to 6 percent slopes				
	85	Glynwood	2e	—
MrD2—Morley silt loam, 12 to 18 percent slopes, moderately eroded				
	100	Morley	4e	—
NaA—Nappanee loam, 0 to 2 percent slopes				
	91	Nappanee	3w	—
NpA—Nappanee silt loam, 0 to 2 percent slopes				
	91	Nappanee	3w	—
NpB—Nappanee silt loam, 2 to 6 percent slopes				
	91	Nappanee	3e	—
NsA—Nappanee clay loam, 0 to 2 percent slopes				
	95	Nappanee	3w	—
NtA—Nappanee silty clay loam, 0 to 2 percent slopes				
	92	Nappanee	3w	—
NtB—Nappanee silty clay loam, 2 to 6 percent slopes				
	91	Nappanee	3e	—
NtB2—Nappanee silty clay loam, 2 to 6 percent slopes, moderately eroded				
	96	Nappanee	3e	—

Land Capability Classification--Van Wert County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Pk—Pewamo silty clay loam, 0 to 1 percent slopes				
	95	Pewamo	2w	—
Pm—Pewamo silty clay loam				
	97	Pewamo	2w	—
Po—Pewamo silty clay				
	100	Pewamo	2w	—
Qu—Quarry				
	100	Quarry	—	—
RmB—Rawson loam, 2 to 6 percent slopes				
	100	Rawson	2e	—
Sac3AF—Saranac silty clay loam, 0 to 1 percent slopes, frequently flooded				
	90	Saranac, brief duration	3w	—
SbA—Saranac silty clay loam, till substratum, 0 to 1 percent slopes, frequently flooded				
	95	Saranac	3w	—
ScB—St. Clair silt loam, 2 to 6 percent slopes				
	100	St. clair	3e	—
ScC2—St. Clair silt loam, 6 to 12 percent slopes, moderately eroded				
	99	St. clair	4e	—
SdC2—St. Clair silty clay loam, 6 to 12 percent slopes, eroded				
	97	St. clair	4e	—
Sho3AF—Shoals silty clay loam, 0 to 1 percent slopes, frequently flooded				
	85	Shoals	2w	—
Slo3AF—Sloan silty clay loam, 0 to 1 percent slopes, frequently flooded				
	90	Sloan, brief duration	3w	—
Tic3AF—Tice silty clay loam, 0 to 1 percent slopes, frequently flooded				
	90	Tice	3w	—
To—Toledo silty clay				
	100	Toledo	3w	—
W—Water				
	100	Water	—	—

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			Nonirrigated	Irrigated
Wa--Wabasha silty clay loam				
	100	Wabasha	3w	—
Wb--Wabasha silty clay loam, moderately shallow variant				
	100	Wabasha variant	3w	—
Wh--Wabasha silty clay				
	100	Wabasha	3w	—

### Data Source Information

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