

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—Crawford County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AdB—Alexandria silt loam, 2 to 6 percent slopes				
	97	Alexandria	2e	—
AdC2—Alexandria silt loam, 6 to 12 percent slopes, moderately eroded				
	93	Alexandria	3e	—
AdD2—Alexandria silt loam, 12 to 18 percent slopes, moderately eroded				
	92	Alexandria	4e	—
Ag—Algiers silt loam				
	90	Algiers	2w	—
BeA—Bennington silt loam, 0 to 3 percent slopes				
	85	Bennington	2w	—
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	—
BhB—Bennington-Urban land complex, undulating				
	55	Bennington	—	—
	40	Urban land	—	—
BkB—Bennington-Fitchville silt loams, 2 to 6 percent slopes				
	55	Bennington	2e	—
	35	Fitchville	2e	—
Ble1A1—Blount silt loam, end moraine, 0 to 2 percent slopes				
	85	Blount, end moraine	2w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
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	—
BtA—Bogart loam, 0 to 2 percent slopes				
	90	Bogart	2s	—
BtB—Bogart loam, 2 to 6 percent slopes				
	100	Bogart	2e	—
Bw—Bono silty clay loam				
	100	Bono	3w	—
CdB—Cardington silt loam, 2 to 6 percent slopes				
	92	Cardington	2e	—
CdB2—Cardington silt loam, 2 to 6 percent slopes, moderately eroded				
	92	Cardington	2e	—
CdC—Cardington silt loam, 6 to 12 percent slopes				
	85	Cardington	3e	—
CdC2—Cardington silt loam, 6 to 12 percent slopes, moderately eroded				
	93	Cardington	3e	—
CdD2—Cardington silt loam, 12 to 18 percent slopes, moderately eroded				
	100	Cardington	4e	—
CeC—Cardington-Urban land complex, rolling				
	55	Cardington	—	—
	40	Urban land	—	—
CfB—Centerburg silt loam, 1 to 4 percent slopes				
	85	Centerburg	2e	—
Ck—Carlisle muck				
	100	Carlisle	3w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
CmB—Centerburg silt loam, 2 to 6 percent slopes				
	85	Centerburg	2e	—
CmC2—Centerburg silt loam, 6 to 12 percent slopes, eroded				
	85	Centerburg	3e	—
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	—
CnD2—Chili loam, 12 to 18 percent slopes, moderately eroded				
	100	Chili	4e	—
Co—Colwood silt loam				
	100	Colwood	2w	—
Cp—Condit silt loam, 0 to 1 percent slopes				
	90	Condit	3w	—
Cr—Condit-Bennington silt loams				
	50	Condit	3w	—
	30	Bennington	2w	—
Ct—Condit silty clay loam				
	90	Condit	3w	—
DeA—Del Rey silt loam, 0 to 2 percent slopes				
	100	Del rey	2w	—
Du—Dumps				
	100	Dumps	—	—
EtA—Elliott silt loam, 0 to 3 percent slopes				
	92	Elliott	2w	—
FcA—Fitchville silt loam, 0 to 2 percent slopes				
	92	Fitchville	2w	—
FcB—Fitchville silt loam, 2 to 6 percent slopes				
	92	Fitchville	2e	—
GaA—Gallman silt loam, 0 to 2 percent slopes				
	100	Gallman	1	—

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			Nonirrigated	Irrigated
GaB—Gallman silt loam, 2 to 6 percent slopes				
	100	Gallman	2e	—
GfB—Glenford silt loam, 2 to 6 percent slopes				
	95	Glenford	2e	—
GwD2—Glynwood silt loam, 12 to 18 percent slopes, moderately eroded				
	100	Glynwood	4e	—
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	—
Gwg5C2—Glynwood clay loam, ground moraine, 6 to 12 percent slopes, eroded				
	85	Glynwood	3e	—
HpE—Hennepin-Alexandria silt loams, 18 to 50 percent slopes				
	50	Hennepin	7e	—
	50	Alexandria	6e	—
JtA—Jimtown loam, 0 to 2 percent slopes				
	94	Jimtown	2w	—
JtB—Jimtown loam, 2 to 6 percent slopes				
	97	Jimtown	2e	—
KaA—Kibbie loam, 0 to 2 percent slopes				
	90	Kibbie	2w	—
KbA—Kibbie fine sandy loam, 0 to 2 percent slopes				
	100	Kibbie	2w	—

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			Nonirrigated	Irrigated
KcB--Kibbie-Bennington complex, 2 to 6 percent slopes				
	50	Kibbie	2e	—
	40	Bennington	2e	—
Le--Lenawee silty clay loam				
	100	Lenawee	2w	—
Lg--Lenawee silt loam, overwash				
	100	Lenawee	2w	—
Lh--Lenawee Variant silty clay loam				
	100	Lenawee variant	3w	—
Lk--Lindside silt loam, occasionally flooded				
	76	Lindside	2w	—
Lm--Linwood muck				
	90	Linwood	2w	—
Lo--Lobdell silt loam				
	96	Lobdell	2w	—
Lu--Luray silty clay loam				
	100	Luray	2w	—
Lw--Luray-Urban land complex				
	50	Luray	—	—
	35	Urban land	—	—
LzB--Lykens silt loam, 2 to 6 percent slopes				
	100	Lykens	2e	—
Mb--Marengo silty clay loam				
	100	Marengo	2w	—
Md--Medway silt loam				
	95	Medway	2w	—
Mf--Milford silty clay loam				
	85	Milford	2w	—
MkA--Mitiwanga silt loam, 0 to 3 percent slopes				
	100	Mitiwanga	2w	—
MrD2--Morley silt loam, 12 to 18 percent slopes, eroded				
	76	Morley	4e	—

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			Nonirrigated	Irrigated
MrF2--Morley silt loam, 18 to 50 percent slopes, eroded				
	85	Morley	7e	—
Mu--Muskego muck				
	100	Muskego	4w	—
Ne--Newark silt loam, occasionally flooded				
	85	Newark	2w	—
On--Olentangy mucky silt loam				
	100	Olentangy	3w	—
Os--Olmsted silty clay loam				
	100	Olmsted	2w	—
OtC2--Oshtemo fine sandy loam, 6 to 18 percent slopes, eroded				
	82	Oshtemo	3e	—
Pa--Pandora silt loam				
	85	Pandora	2w	—
Pb--Pandora silty clay loam				
	90	Pandora	2w	—
Pm--Pewamo silty clay loam				
	100	Pewamo	2w	—
Po--Pits, gravel				
	100	Gravel pit	—	—
Pp--Pits, quarry				
	100	Quarries	—	—
RsB--Rittman silt loam, 2 to 6 percent slopes				
	95	Rittman	2e	—
RsC2--Rittman silt loam, 6 to 12 percent slopes, moderately eroded				
	85	Rittman	3e	—
Sb--Sebring silt loam				
	100	Sebring	3w	—
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	—

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			Nonirrigated	Irrigated
So—Sloan silt loam				
	100	Sloan	3w	—
Sp—Sloan silty clay loam, occasionally flooded				
	85	Sloan	3w	—
TrA—Tiro silt loam, 0 to 2 percent slopes				
	94	Tiro	2w	—
TrB—Tiro silt loam, 2 to 6 percent slopes				
	94	Tiro	2e	—
TsB—Tuscola fine sandy loam, 2 to 6 percent slopes				
	100	Tuscola	2e	—
TuB—Tuscola-Bennington complex, 2 to 6 percent slopes				
	30	Bennington	2e	—
	30	Tuscola	2e	—
Ud—Udorthents, loamy				
	100	Udorthents	—	—
Ur—Urban land				
	100	Urban land	—	—
W—Water				
	100	Water	—	—
WaA—Wadsworth silt loam, 0 to 2 percent slopes				
	96	Wadsworth	3w	—
WaB—Wadsworth silt loam, 2 to 6 percent slopes				
	92	Wadsworth	3w	—
Wb—Walkill silt loam				
	100	Walkill	3w	—
Wc—Walkill silt loam, lacustrine substratum, occasionally flooded				
	90	Walkill	3w	—
We—Westland clay loam				
	90	Westland	2w	—
WIa—Wilmer Variant silt loam, 0 to 2 percent slopes				
	95	Wilmer variant	1	—

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			Nonirrigated	Irrigated
WIB--Wilmer Variant silt loam, 2 to 6 percent slopes				
	97	Wilmer variant	2e	—

Data Source Information

Soil Survey Area: Crawford County, Ohio
 Survey Area Data: Version 14, Sep 18, 2014