

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—Hardin County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
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 silt loam, limestone substratum, 0 to 3 percent slopes				
	85	Blount	2w	—
BrA—Blount-Houcktown complex, 0 to 3 percent slopes				
	60	Blount	2w	—
	35	Houcktown	1	—
Ca—Carlisle muck				
	90	Carlisle	3w	—
Co—Colwood loam				
	85	Colwood	2w	—
DeA—Del Rey silt loam, 0 to 3 percent slopes				
	90	Del rey	2w	—
DfA—Del Rey silt loam, till substratum, 0 to 3 percent slopes				
	80	Del rey	2w	—
Ee—Eel silt loam, occasionally flooded				
	90	Eel	2w	—
FcA—Flatrock silt loam, 0 to 2 percent slopes, occasionally flooded				
	90	Flatrock	2w	—

Land Capability Classification--Hardin County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
FnA--Fox loam, 0 to 2 percent slopes				
	90	Fox	2s	—
FoA--Fox silt loam, 0 to 2 percent slopes				
	90	Fox	2s	—
FoB--Fox silt loam, 2 to 6 percent slopes				
	85	Fox	2e	—
FpC2--Fox clay loam, 6 to 12 percent slopes, eroded				
	85	Fox	3e	—
FuA--Fulton silt loam, 0 to 2 percent slopes				
	90	Fulton	3w	—
FuB--Fulton silt loam, 2 to 6 percent slopes				
	90	Fulton	3e	—
FvA--Fulton silty clay loam, 0 to 2 percent slopes				
	80	Fulton	3w	—
Gn--Genesee silt loam				
	95	Genesee	2w	—
GwA--Glynwood silt loam, 0 to 2 percent slopes				
	90	Glynwood	1	—
GwD2--Glynwood silt loam, 12 to 18 percent slopes, eroded				
	90	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	—
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	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Gwg5C2—Glynwood clay loam, ground moraine, 6 to 12 percent slopes, eroded				
	85	Glynwood	3e	—
HkA—Haskins silt loam, 0 to 2 percent slopes				
	85	Haskins	2w	—
HkB—Haskins silt loam, 2 to 6 percent slopes				
	80	Haskins	2e	—
KaB—Kendallville silt loam, 2 to 6 percent slopes				
	85	Kendallville	2e	—
KbA—Kibbie loam, 0 to 3 percent slopes				
	85	Kibbie	2w	—
KnA—Knoxdale silt loam, 0 to 2 percent slopes, occasionally flooded				
	90	Knoxdale	2w	—
La—Latty silty clay loam				
	90	Latty	3w	—
Le—Latty silty clay				
	90	Latty	3w	—
Ln—Linwood muck				
	90	Linwood	2w	—
MaB—Martinsville loam, 1 to 4 percent slopes				
	90	Martinsville	2e	—
Mc—McGuffey muck				
	95	Mcguffey	3w	—
Mf—Milford silty clay loam				
	90	Milford	2w	—
Mk—Millsdale silty clay loam				
	90	Millsdale	3w	—
Mn13A—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	—
Mny3A—Minster silty clay loam, gravelly substratum, 0 to 1 percent slopes				
	90	Minster, gravelly substratum	3w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
MrD2—Morley clay loam, 12 to 18 percent slopes, eroded				
	85	Morley	4e	—
MsC2—Morley-Belmore complex, 6 to 15 percent slopes, eroded				
	65	Morley	4e	—
	20	Belmore	4e	—
MtB—Morley-Milton silt loams, 2 to 6 percent slopes				
	60	Morley	2e	—
	30	Milton	2e	—
NaB—Nappanee silt loam, 2 to 6 percent slopes				
	91	Nappanee	3e	—
Ne—Newark silt loam, occasionally flooded				
	85	Newark	2w	—
No—Nolin silt loam, occasionally flooded				
	90	Nolin	2w	—
OcA—Ockley loam, 0 to 2 percent slopes				
	80	Ockley	1	—
OcB—Ockley loam, 2 to 6 percent slopes				
	90	Ockley	2e	—
Ot—Olentangy silt loam				
	90	Olentangy	3w	—
Pa—Patton silty clay loam				
	90	Patton	2w	—
PkA—Pewamo silty clay loam, 0 to 1 percent slopes				
	95	Pewamo	2w	—
Pm—Pewamo silty clay loam				
	90	Pewamo	2w	—
Po—Pewamo variant muck				
	90	Pewamo variant	2w	—
Ps—Pits, gravel				
	100	Pits, gravel	—	—
Pt—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
Ro--Roundhead muck				
	90	Roundhead	2w	—
Sa--Saranac silty clay loam, occasionally flooded				
	95	Saranac	3w	—
SgA--Shoals silt loam, till substratum, 0 to 1 percent slopes, occasionally flooded				
	95	Shoals	2w	—
ShB--Shinrock silt loam, 2 to 6 percent slopes				
	90	Shinrock	2e	—
SjA--Shoals silt loam, 0 to 2 percent slopes, occasionally flooded				
	85	Shoals	2w	—
SkA--Sleeth silt loam, 0 to 3 percent slopes				
	85	Sleeth	2w	—
SmA--Sleeth silt loam, 0 to 2 percent slopes				
	95	Sleeth	2w	—
So--Sloan silt loam, frequently flooded				
	85	Sloan	3w	—
SrA--Sloan silty clay loam, till substratum, 0 to 1 percent slopes, frequently flooded				
	90	Sloan	3w	—
W--Water				
	100	Water	—	—
Wa--Walkkill silt loam, frequently flooded				
	90	Walkkill	3w	—
Wb--Walkkill silt loam				
	100	Walkkill	3w	—
We--Westland clay loam				
	85	Westland	2w	—
Wf--Westland silty clay loam, clay substratum				
	95	Westland	2w	—

Data Source Information

Soil Survey Area: Hardin County, Ohio
 Survey Area Data: Version 12, Sep 18, 2014