

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—Coshocton County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AaB—Aaron silt loam, 2 to 6 percent slopes	85	Aaron	2e	—
AaC2—Aaron silt loam, 6 to 15 percent slopes, eroded	85	Aaron	3e	—
AbB—Aaron silt loam, 2 to 8 percent slopes	80	Aaron	2e	—
AbC—Aaron silt loam, 8 to 15 percent slopes	85	Aaron	3e	—
AbC2—Aaron silt loam, 8 to 15 percent slopes, eroded	80	Aaron	3e	—
AfB—Alford silt loam, 2 to 6 percent slopes	85	Alford	2e	—
AfC2—Alford silt loam, 6 to 15 percent slopes, eroded	85	Alford	3e	—
AgC2—Alford silt loam, 8 to 15 percent slopes, eroded	80	Alford	3e	—
BfE—Bethesda clay loam, 25 to 40 percent slopes	90	Bethesda	6e	—
BgB—Bethesda loam, 0 to 8 percent slopes	90	Bethesda	3s	—
BgD—Bethesda loam, 8 to 25 percent slopes	90	Bethesda	4s	—
BgE—Bethesda loam, 25 to 40 percent slopes	90	Bethesda	6e	—
BhB—Bethesda channery loam, 0 to 8 percent slopes	85	Bethesda	6s	—

Land Capability Classification--Coshocton County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
BhD—Bethesda channery loam, 8 to 25 percent slopes				
	85	Bethesda	6s	—
BhF—Bethesda channery loam, 25 to 70 percent slopes				
	85	Bethesda	7e	—
BkC—Bethesda channery clay loam, 8 to 15 percent slopes				
	95	Bethesda	6s	—
BkF—Bethesda channery clay loam, 25 to 70 percent slopes				
	85	Bethesda	7e	—
BrD—Brownsville channery silt loam, 15 to 25 percent slopes				
	85	Brownsville	4e	—
BrE—Brownsville channery silt loam, 25 to 35 percent slopes				
	85	Brownsville	6e	—
BrF—Brownsville channery silt loam, 35 to 70 percent slopes				
	85	Brownsville	7e	—
BsF—Brownsville-Westmoreland complex, 25 to 40 percent slopes				
	60	Brownsville	6e	—
	30	Westmoreland	6e	—
BtF—Brownsville-Rock outcrop complex, 35 to 70 percent slopes				
	40	Brownsville	7e	—
	40	Rock outcrop	—	—
CbC—Chili gravelly loam, 6 to 12 percent slopes				
	85	Chili	3e	—
CbD—Chili gravelly loam, 12 to 18 percent slopes				
	85	Chili	4e	—
CcA—Chavies loam, 0 to 2 percent slopes				
	80	Chavies	1	—
CdA—Caneadea silt loam, 0 to 2 percent slopes				
	80	Caneadea	3w	—

Land Capability Classification--Coshocton County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
CfA—Chili loam, 0 to 2 percent slopes				
	85	Chili	2s	—
CfB—Chili loam, 2 to 6 percent slopes				
	85	Chili	2e	—
CfC—Chili loam, 6 to 15 percent slopes				
	85	Chili	3e	—
CfD—Chili loam, 15 to 25 percent slopes				
	90	Chili	6e	—
CfE—Chili loam, 25 to 35 percent slopes				
	85	Chili	7e	—
CgA—Chili-Urban land complex, 0 to 2 percent slopes				
	50	Chili	—	—
	30	Urban land	—	—
CgB—Chili-Urban land complex, 2 to 6 percent slopes				
	50	Chili	—	—
	30	Urban land	—	—
ChA—Cidermill silt loam, 0 to 2 percent slopes				
	90	Cidermill	1	—
ChB—Cidermill silt loam, 2 to 6 percent slopes				
	90	Cidermill	2e	—
CkC—Clarksburg silt loam, 6 to 15 percent slopes				
	85	Clarksburg	3e	—
CkD—Clarksburg silt loam, 15 to 25 percent slopes				
	83	Clarksburg	4e	—
CIC2—Chili loam, 6 to 12 percent slopes, eroded				
	100	Chili	3e	—
CmC2—Clarksburg silt loam, 8 to 15 percent slopes, eroded				
	85	Clarksburg	3e	—
CnC2—Coshocton silt loam, 8 to 15 percent slopes, eroded				
	85	Coshocton	3e	—

Land Capability Classification--Coshocton County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
CoB—Coshocton silt loam, 2 to 6 percent slopes				
	85	Coshocton	2e	—
CoC2—Coshocton silt loam, 6 to 15 percent slopes, eroded				
	85	Coshocton	3e	—
CoD—Coshocton silt loam, 15 to 25 percent slopes				
	85	Coshocton	4e	—
CoD2—Coshocton silt loam, 15 to 25 percent slopes, eroded				
	85	Coshocton	4e	—
CoE—Coshocton silt loam, 25 to 35 percent slopes				
	85	Coshocton	6e	—
CpC—Coshocton silt loam, 6 to 15 percent slopes, very stony				
	85	Coshocton	6s	—
CpD—Coshocton silt loam, 15 to 25 percent slopes, very stony				
	85	Coshocton	6s	—
CrD—Coshocton-Rigley complex, 15 to 25 percent slopes				
	45	Coshocton	4e	—
	35	Rigley	6e	—
CrE—Coshocton-Rigley complex, 25 to 35 percent slopes				
	45	Coshocton	6e	—
	35	Rigley	7e	—
CsD—Coshocton-Westmoreland complex, 15 to 25 percent slopes				
	50	Coshocton	4e	—
	30	Westmoreland	4e	—
CsE—Coshocton-Westmoreland complex, 25 to 35 percent slopes				
	50	Coshocton	6e	—
	30	Westmoreland	6e	—

Land Capability Classification--Coshocton County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
CtE—Coshocton-Westmoreland silt loams, 25 to 40 percent slopes				
	45	Coshocton	6e	—
	35	Westmoreland	6e	—
CuD—Coshocton-Guernsey silt loams, 15 to 25 percent slopes				
	60	Coshocton	4e	—
	30	Guernsey	4e	—
CvD—Coshocton-Guernsey very stony silt loams, 15 to 25 percent slopes				
	55	Coshocton	6s	—
	30	Guernsey	6s	—
DeC—DeKalb channery sandy loam, 6 to 15 percent slopes, stony				
	90	DeKalb	4s	—
Ds—Dumps, mine				
	100	Dumps	—	—
EuA—Euclid silt loam, occasionally flooded				
	85	Euclid	2w	—
FaB—Fairpoint loam, 0 to 8 percent slopes				
	90	Fairpoint	3s	—
FaD—Fairpoint loam, 8 to 25 percent slopes				
	90	Fairpoint	4s	—
FaE—Fairpoint loam, 25 to 35 percent slopes				
	90	Fairpoint	6e	—
FeB—Farmerstown loam, 0 to 8 percent slopes				
	85	Farmerstown	3e	—
FeC—Farmerstown loam, 8 to 20 percent slopes				
	90	Farmerstown	4e	—
FhA—Fitchville silt loam, 0 to 3 percent slopes				
	85	Fitchville	2w	—
FhB—Fitchville silt loam, 3 to 8 percent slopes				
	85	Fitchville	2e	—
GdB—Germano sandy loam, 2 to 6 percent slopes				
	85	Germano	2e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
GdC2—Germano sandy loam, 6 to 15 percent slopes, eroded				
	80	Germano	3e	—
GhB—Gilpin silt loam, 3 to 8 percent slopes				
	85	Gilpin	2e	—
GhC—Gilpin silt loam, 8 to 15 percent slopes				
	80	Gilpin	3e	—
GhD—Gilpin silt loam, 15 to 25 percent slopes				
	85	Gilpin	4e	—
GkC—Gilpin silt loam, 8 to 15 percent slopes				
	85	Gilpin	3e	—
GkC2—Gilpin silt loam, 8 to 15 percent slopes, eroded				
	80	Gilpin	3e	—
GnA—Glenford silt loam, 0 to 3 percent slopes				
	85	Glenford	1	—
GnB—Glenford silt loam, 3 to 8 percent slopes				
	85	Glenford	2e	—
GnC—Glenford silt loam, 8 to 15 percent slopes				
	85	Glenford	3e	—
GnC2—Glenford silt loam, 6 to 15 percent slopes, eroded				
	80	Glenford	3e	—
GpA—Glenford silt loam, occasionally flooded				
	90	Glenford	1	—
GuC—Guernsey silt loam, 6 to 15 percent slopes				
	85	Guernsey	3e	—
GuD—Guernsey silt loam, 15 to 25 percent slopes				
	85	Guernsey	4e	—
HaD—Hazleton channery sandy loam, 15 to 25 percent slopes				
	90	Hazleton	4e	—
HaE—Hazleton channery sandy loam, 25 to 35 percent slopes				
	85	Hazleton	6e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
HaF—Hazleton channery sandy loam, 35 to 70 percent slopes				
	85	Hazleton	7e	—
HeF—Hazleton channery sandy loam, 25 to 70 percent slopes, very bouldery				
	85	Hazleton	7s	—
HfF—Hazleton channery loam, 25 to 70 percent slopes, stony				
	85	Hazleton	7s	—
HgD—Hazleton channery loam, 15 to 25 percent slopes				
	85	Hazleton	4e	—
HgE—Hazleton channery loam, 25 to 40 percent slopes				
	85	Hazleton	6e	—
HgF—Hazleton channery loam, 40 to 60 percent slopes				
	85	Hazleton	7e	—
HoB—Homewood silt loam, 2 to 6 percent slopes				
	85	Homewood	2e	—
HoC—Homewood silt loam, 6 to 15 percent slopes				
	85	Homewood	3e	—
Ht—Huntington silt loam, rarely flooded				
	90	Huntington	1	—
JmA—Jimtown loam, 0 to 2 percent slopes				
	90	Jimtown	2w	—
KeB—Keene silt loam, 3 to 8 percent slopes				
	90	Keene	2e	—
KeC—Keene silt loam, 6 to 15 percent slopes				
	90	Keene	3e	—
KeC2—Keene silt loam, 6 to 15 percent slopes, eroded				
	80	Keene	3e	—
KfC—Keene silt loam, 8 to 15 percent slopes				
	85	Keene	3e	—
La—Landes sandy loam, rarely flooded				
	90	Landes	2s	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Lb--Landes loam, occasionally flooded				
	90	Landes	2w	—
Lo--Lobdell silt loam, 0 to 3 percent slopes, occasionally flooded				
	85	Lobdell	2w	—
LrB--Loudon silt loam, 2 to 6 percent slopes				
	85	Loudon	2e	—
LrC--Loudon silt loam, 6 to 15 percent slopes				
	85	Loudon	3e	—
LvC--Loudonville silt loam, 6 to 15 percent slopes				
	90	Loudonville	3e	—
LvD--Loudonville silt loam, 15 to 20 percent slopes				
	85	Loudonville	4e	—
MaB--Markland silt loam, 2 to 6 percent slopes				
	85	Markland	3e	—
MaC--Markland silt loam, 6 to 15 percent slopes				
	85	Markland	4e	—
MaD2--Markland silt loam, 15 to 35 percent slopes, eroded				
	85	Markland	7e	—
McD2--Markland-Glenford complex, 15 to 35 percent slopes, eroded				
	40	Markland	6e	—
	30	Glenford	6e	—
Mg--Melvin silt loam, frequently flooded				
	85	Melvin	3w	—
Mh--Melvin silt loam, ponded				
	90	Melvin	5w	—
MnA--Mentor silt loam, 0 to 2 percent slopes				
	85	Mentor	1	—
MnB--Mentor silt loam, 2 to 6 percent slopes				
	85	Mentor	2e	—
MnC--Mentor silt loam, 6 to 15 percent slopes				
	85	Mentor	3e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
MnD—Mentor silt loam, 15 to 25 percent slopes				
	85	Mentor	6e	—
MoC—Mentor silt loam, 8 to 15 percent slopes				
	90	Mentor	3e	—
MrD2—Mentor silt loam, 12 to 18 percent slopes, eroded				
	100	Mentor	4e	—
Ne—Newark silt loam, occasionally flooded				
	85	Newark	2w	—
Nf—Newark silt loam, frequently flooded				
	85	Newark	3w	—
Nn—Nolin silt loam, rarely flooded				
	90	Nolin	1	—
No—Nolin silt loam, 0 to 3 percent slopes, occasionally flooded				
	85	Nolin, occasionally flooded	2w	—
Np—Nolin silt loam, 0 to 3 percent slopes, frequently flooded				
	90	Nolin	2w	—
Or—Orrville silt loam, occasionally flooded				
	80	Orrville	2w	—
Pg—Pits, gravel				
	100	Pits	—	—
Ph—Pits, quarry				
	100	Pits	—	—
RcC—Richland silt loam, 6 to 15 percent slopes				
	85	Richland	3e	—
RcD—Richland silt loam, 15 to 25 percent slopes				
	85	Richland	4e	—
RdD—Rigley channery loam, 15 to 25 percent slopes				
	80	Rigley	4e	—
ReF—Rigley fine sandy loam, 25 to 35 percent slopes				
	100	Rigley	7e	—
RfC—Rigley loam, 8 to 15 percent slopes				
	80	Rigley	3e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
RgC—Rigley sandy loam, 6 to 15 percent slopes				
	85	Rigley	3e	—
RgD—Rigley sandy loam, 15 to 25 percent slopes				
	85	Rigley	4e	—
RgE—Rigley sandy loam, 25 to 35 percent slopes				
	85	Rigley	6e	—
RhD—Rigley sandy loam, 12 to 25 percent slopes, very stony				
	85	Rigley	6s	—
RkE—Rigley-Coshocton complex, 25 to 40 percent slopes				
	40	Rigley	7e	—
	35	Coshocton	6e	—
RIE—Rigley sandy loam, 25 to 40 percent slopes				
	100	Rigley	7e	—
SaD—Schaffemaker loamy sand, 12 to 25 percent slopes				
	95	Schaffemaker	6s	—
SbF—Schaffemaker very bouldery loamy sand, 25 to 60 percent slopes				
	95	Schaffemaker	7s	—
Se—Sebring silt loam				
	90	Sebring	3w	—
Th—Tioga fine sandy loam, rarely flooded				
	90	Tioga	1	—
Tk—Tioga fine sandy loam, occasionally flooded				
	90	Tioga	1	—
Tm—Tioga fine sandy loam, frequently flooded				
	95	Tioga	2w	—
To—Tioga-Urban land complex, rarely flooded				
	50	Tioga	—	—
	30	Urban land	—	—
TsB—Titusville silt loam, 2 to 6 percent slopes				
	85	Titusville	2e	—

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			Nonirrigated	Irrigated
TsC—Titusville silt loam, 6 to 15 percent slopes				
	85	Titusville	3e	—
Ud—Udorthents, loamy, hilly				
	70	Udorthents	—	—
Ug—Udorthents, loamy				
	95	Udorthents	—	—
Uh—Udorthents, loamy-skeletal				
	100	Udorthents	—	—
Up—Udorthents-Pits complex				
	70	Udorthents	—	—
	20	Pits	—	—
W—Water				
	100	Water	—	—
WaA—Watertown sandy loam, 0 to 2 percent slopes				
	90	Watertown	3s	—
WaB—Watertown sandy loam, 2 to 6 percent slopes				
	90	Watertown	3s	—
WaC—Watertown sandy loam, 6 to 15 percent slopes				
	90	Watertown	3e	—
WaD—Watertown sandy loam, 15 to 25 percent slopes				
	90	Watertown	6e	—
WaF—Watertown sandy loam, 25 to 70 percent slopes				
	90	Watertown	7e	—
Wb—Wappinger sandy loam, rarely flooded				
	90	Wappinger	1	—
WeC—Wellston silt loam, 8 to 15 percent slopes				
	85	Wellston	3e	—
WfC—Wellston silt loam, 8 to 15 percent slopes				
	85	Wellston	3e	—
WhC—Westmoreland silt loam, 8 to 15 percent slopes				
	80	Westmoreland	3e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
WhD—Westmoreland silt loam, 15 to 25 percent slopes				
	80	Westmoreland	4e	—
WhE—Westmoreland silt loam, 25 to 35 percent slopes				
	80	Westmoreland	6e	—
WkF—Westmoreland silt loam, 35 to 60 percent slopes				
	80	Westmoreland	7e	—
WIC2—Westmoreland-Coshocton complex, 8 to 15 percent slopes, eroded				
	50	Westmoreland	3e	—
	40	Coshocton	3e	—
WmD—Westmoreland-Guernsey silt loams, 15 to 25 percent slopes				
	60	Westmoreland	4e	—
	25	Guernsey	4e	—
WmE—Westmoreland-Guernsey silt loams, 25 to 40 percent slopes				
	60	Westmoreland	6e	—
	25	Guernsey	6e	—
WnA—Wheeling silt loam, 0 to 2 percent slopes				
	90	Wheeling	1	—
WnB—Wheeling silt loam, 2 to 6 percent slopes				
	90	Wheeling	2e	—
WrA—Wheeling-Urban land complex, nearly level				
	50	Wheeling	—	—
	30	Urban land	—	—
WtC—Westmoreland silt loam, 8 to 15 percent slopes				
	85	Westmoreland	3e	—
WtC2—Westmoreland silt loam, 8 to 15 percent slopes, eroded				
	80	Westmoreland	3e	—
WtE—Westmoreland silt loam, 25 to 40 percent slopes				
	80	Westmoreland	6e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Zp--Zipp silty clay loam, frequently flooded				
	90	Zipp	4w	—

Data Source Information

Soil Survey Area: Coshocton County, Ohio
 Survey Area Data: Version 10, Sep 15, 2014