

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—Hocking County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AaC—Aaron silt loam, 6 to 15 percent slopes				
	85	Aaron	3e	—
AbE—Alexandria silt loam, 18 to 35 percent slopes				
	90	Alexandria	6e	—
AcC2—Alexandria silt loam, 6 to 12 percent slopes, eroded				
	90	Alexandria	3e	—
AcE2—Alexandria silt loam, 20 to 35 percent slopes, eroded				
	90	Alexandria	6e	—
AdD2—Alexandria silt loam, 12 to 18 percent slopes, eroded				
	85	Alexandria	4e	—
AdE—Alexandria silt loam, 18 to 25 percent slopes				
	85	Alexandria	6e	—
AdF—Alexandria silt loam, 25 to 40 percent slopes				
	85	Alexandria	6e	—
AfB—Alford silt loam, 2 to 6 percent slopes				
	85	Alford	2e	—
AfC—Alford silt loam, 6 to 12 percent slopes				
	85	Alford	3e	—
AgB—Allegheny loam, 2 to 6 percent slopes				
	85	Allegheny	2e	—
AgC—Allegheny loam, 6 to 12 percent slopes				
	85	Allegheny	3e	—
AmC2—Amanda silt loam, 6 to 12 percent slopes, eroded				
	80	Amanda	3e	—

Land Capability Classification--Hocking County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AmD2—Amanda silt loam, 12 to 20 percent slopes, eroded				
	80	Amanda	4e	—
AoC3—Amanda silty clay loam, 6 to 12 percent slopes, severely eroded				
	80	Amanda	4e	—
BcA—Bennington silt loam, 0 to 2 percent slopes				
	90	Bennington	2w	—
BcB—Bennington silt loam, 2 to 6 percent slopes				
	95	Bennington	2e	—
BeA—Bennington silt loam, 0 to 3 percent slopes				
	85	Bennington	2w	—
BkD—Berks-Westmoreland silt loams, 15 to 25 percent slopes				
	50	Berks	4e	—
	35	Westmoreland	4e	—
BkE—Berks-Westmoreland silt loams, 25 to 40 percent slopes				
	55	Berks	6e	—
	35	Westmoreland	6e	—
BkF—Berks-Westmoreland silt loams, 40 to 70 percent slopes				
	55	Berks	7e	—
	35	Westmoreland	7e	—
BnC—Berks-Tarhollow complex, 6 to 15 percent slopes				
	50	Berks	3e	—
	40	Tarhollow	3e	—
BrD—Berks channery silt loam, 12 to 20 percent slopes				
	85	Berks	4e	—
BrF—Berks channery silt loam, 35 to 70 percent slopes				
	85	Berks	7e	—
BtB—Bethesda channery loam, 0 to 8 percent slopes				
	90	Bethesda	6s	—

Land Capability Classification--Hocking County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
BtC—Bethesda channery loam, 8 to 20 percent slopes				
	90	Bethesda	6s	—
BtE—Bethesda channery loam, 20 to 40 percent slopes				
	90	Bethesda	7e	—
BtF—Bethesda channery loam, 40 to 70 percent slopes				
	90	Bethesda	7e	—
BuB—Bethesda silty clay loam, 0 to 8 percent slopes				
	85	Bethesda	3s	—
BuC—Bethesda silty clay loam, 8 to 20 percent slopes				
	85	Bethesda	4s	—
BuE—Bethesda silty clay loam, 20 to 40 percent slopes				
	85	Bethesda	6e	—
CaC2—Cana Variant silt loam, 8 to 15 percent slopes, eroded				
	85	Cana variant	3e	—
CaD2—Cana Variant silt loam, 15 to 25 percent slopes, eroded				
	85	Cana variant	4e	—
CbD2—Cana silt loam, 12 to 20 percent slopes, eroded				
	90	Cana	4e	—
CdB—Cardington silt loam, 2 to 6 percent slopes				
	85	Cardington	2e	—
CdC2—Cardington silt loam, 6 to 12 percent slopes, eroded				
	85	Cardington	3e	—
CeF—Cedarfalls-Rock outcrop complex, 40 to 70 percent slopes				
	50	Cedarfalls	7s	—
	30	Rock outcrop	—	—
Cg—Chagrin silt loam, 0 to 3 percent slopes, frequently flooded				
	85	Chagrin	2w	—

Land Capability Classification--Hocking County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
ChA—Chili loam, 0 to 3 percent slopes				
	80	Chili	2s	—
ChC2—Chili loam, 8 to 15 percent slopes, eroded				
	80	Chili	3e	—
Chg1AF—Chagrin silt loam, 0 to 3 percent slopes, frequently flooded				
	95	Chagrin	2w	—
CkB—Cincinnati silt loam, 2 to 6 percent slopes				
	85	Cincinnati	2e	—
CkC2—Cincinnati silt loam, 6 to 12 percent slopes, eroded				
	85	Cincinnati	3e	—
Cp—Clifty silt loam, occasionally flooded				
	90	Clifty	2s	—
CrB—Crosby silt loam, 2 to 6 percent slopes				
	95	Crosby	2e	—
CtC—Cruze silt loam, 8 to 15 percent slopes				
	85	Cruze	3e	—
DkF—DeKalb-Shelocka-Rock outcrop complex, 40 to 70 percent slopes				
	50	DeKalb	7e	—
	20	Shelocka	7e	—
	15	Rock outcrop	—	—
DtD—DeKalb-Westmoreland complex, 15 to 25 percent slopes				
	55	DeKalb	4e	—
	35	Westmoreland	4e	—
DtE—DeKalb-Westmoreland complex, 25 to 40 percent slopes				
	55	DeKalb	6e	—
	35	Westmoreland	6e	—
DtF—DeKalb-Westmoreland complex, 40 to 70 percent slopes				
	55	DeKalb	7e	—
	35	Westmoreland	7e	—
EcA—Euclid silt loam, rarely flooded				
	85	Euclid	2w	—

Land Capability Classification--Hocking County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
GcE—Germano sandy loam, 25 to 40 percent slopes				
	80	Germano	6e	—
GdF—Germano-Rock outcrop complex, 40 to 70 percent slopes				
	70	Germano	7e	—
	15	Rock outcrop	—	—
GfA—Glenford silt loam, 0 to 3 percent slopes				
	85	Glenford	1	—
GfB—Glenford silt loam, 3 to 8 percent slopes				
	85	Glenford	2e	—
GgD—Gilpin-Guernsey complex, 15 to 25 percent slopes				
	50	Gilpin	4e	—
	30	Guernsey	4e	—
GgE—Gilpin-Guernsey complex, 25 to 40 percent slopes				
	50	Gilpin	6e	—
	35	Guernsey	6e	—
GgF—Gilpin-Guernsey complex, 40 to 70 percent slopes				
	50	Gilpin	7e	—
	35	Guernsey	7e	—
GkC—Gilpin silt loam, 8 to 15 percent slopes				
	80	Gilpin	3e	—
GkD—Gilpin silt loam, 15 to 25 percent slopes				
	75	Gilpin	4e	—
GnC2—Glenford silt loam, 6 to 15 percent slopes, eroded				
	90	Glenford	3e	—
GuC—Guernsey silt loam, 8 to 15 percent slopes				
	80	Guernsey	3e	—
GwD—Guernsey-Westmoreland silt loams, 15 to 25 percent slopes				
	45	Guernsey	4e	—
	35	Westmoreland	4e	—

Land Capability Classification--Hocking County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Hay1AF---Haymond silt loam, 0 to 3 percent slopes, frequently flooded				
	85	Haymond	2w	—
HcD2---Hickory-Gilpin complex, 12 to 20 percent slopes, eroded				
	50	Hickory	4e	—
	30	Gilpin	4e	—
HkD2---Hickory silt loam, 12 to 20 percent slopes, eroded				
	90	Hickory	4e	—
HkE2---Hickory silt loam, 20 to 35 percent slopes, eroded				
	90	Hickory	6e	—
HmC2---Hickory silt loam, 6 to 12 percent slopes, eroded				
	80	Hickory	3e	—
HmD2---Hickory silt loam, 12 to 18 percent slopes, eroded				
	85	Hickory	4e	—
HmE---Hickory silt loam, 18 to 25 percent slopes				
	80	Hickory	6e	—
HmF---Hickory silt loam, 25 to 40 percent slopes				
	80	Hickory	7e	—
HrE---Hickory-Germano complex, 20 to 35 percent slopes				
	45	Hickory	6e	—
	35	Germano	6e	—
JeB---Jeneva silt loam, 2 to 6 percent slopes				
	85	Jeneva	2e	—
Lic1B1---Licking silt loam, 2 to 6 percent slopes				
	85	Licking	2e	—
Lic1C2---Licking silt loam, 6 to 12 percent slopes, eroded				
	85	Licking	4e	—
Lic1D2---Licking silt loam, 12 to 18 percent slopes, eroded				
	85	Licking	6e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
LnC—Lily silt loam, 8 to 15 percent slopes				
	80	Lily	3e	—
LnD—Lily silt loam, 15 to 25 percent slopes				
	80	Lily	6e	—
Ls—Lindside silt loam, occasionally flooded				
	75	Lindside	2w	—
McA—McGary silt loam, 0 to 3 percent slopes				
	85	Mcgary	3w	—
Me—Melvin silt loam, frequently flooded				
	85	Melvin	3w	—
Me11AF—Melvin silt loam, 0 to 2 percent slopes, frequently flooded				
	90	Melvin	3w	—
NbC2—Negley loam, 6 to 12 percent slopes, eroded				
	90	Negley	3e	—
NeC—Negley silt loam, 8 to 15 percent slopes				
	80	Negley	3e	—
NeD—Negley silt loam, 15 to 25 percent slopes				
	85	Negley	6e	—
NeE—Negley silt loam, 25 to 40 percent slopes				
	80	Negley	6e	—
NeF—Negley silt loam, 40 to 70 percent slopes				
	80	Negley	7e	—
Nk—Newark silt loam, occasionally flooded				
	80	Newark	2w	—
OcA—Ockley silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes				
	85	Ockley	1	—
Omu1B1—Omulga silt loam, 2 to 6 percent slopes				
	85	Omulga	2e	—
Omu1C1—Omulga silt loam, 6 to 12 percent slopes				
	85	Omulga	3e	—
Omu1D2—Omulga silt loam, 12 to 18 percent slopes, eroded				
	85	Omulga	3e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Or--Orrville silt loam, frequently flooded				
	80	Orrville	2w	—
Orr1AF--Orrville silt loam, 0 to 3 percent slopes, frequently flooded				
	85	Orrville	2w	—
OtB--Otwell silt loam, 2 to 6 percent slopes				
	85	Otwell	2e	—
OtC--Otwell silt loam, 6 to 12 percent slopes				
	80	Otwell	3e	—
OtD2--Otwell silt loam, 12 to 18 percent slopes, eroded				
	80	Otwell	4e	—
PkC2--Pike silt loam, 6 to 12 percent slopes, eroded				
	90	Pike	3e	—
Po--Pope loam, occasionally flooded				
	85	Pope	2w	—
PpS1AF--Pope-Stokly silt loams, 0 to 3 percent slopes, frequently flooded				
	45	Pope	2w	—
	40	Stokly	2w	—
RcD--Richland loam, 15 to 25 percent slopes				
	85	Richland	4e	—
RpC2--Rossmoyne silt loam, 6 to 12 percent slopes, eroded				
	90	Rossmoyne	3e	—
SaC--Shelocta silt loam, 8 to 15 percent slopes				
	80	Shelocta	3e	—
SaD--Shelocta silt loam, 15 to 25 percent slopes				
	85	Shelocta	6e	—
SbE--Shelocta-Berks complex, 25 to 40 percent slopes				
	60	Shelocta	7e	—
	20	Berks	6e	—
ScD--Shelocta-Cruze silt loams, 15 to 25 percent slopes				
	45	Shelocta	4e	—
	35	Cruze	4e	—

Land Capability Classification--Hocking County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
ScE—Shelocta-Cruze silt loams, 25 to 40 percent slopes				
	55	Shelocta	7e	—
	30	Cruze	6e	—
ScF—Shelocta-Cruze silt loams, 40 to 70 percent slopes				
	55	Shelocta	7e	—
	30	Cruze	7e	—
SdF—Shelocta-Brownsville association, very steep				
	50	Shelocta	7e	—
	35	Brownsville	7e	—
SkP1AF—Stokly-Philo silt loams, 0 to 3 percent slopes, frequently flooded				
	55	Stokly	2w	—
	30	Philo	2w	—
St—Stonelick loam, occasionally flooded				
	85	Stonelick	2w	—
TaB—Tarhollow silt loam, 2 to 6 percent slopes				
	85	Tarhollow	2e	—
Ud—Udorthents				
	100	Udorthents	—	—
W—Water				
	100	Water	—	—
WaA—Wea silt loam, 0 to 2 percent slopes				
	95	Wea	2s	—
WdC—Wellston silt loam, 8 to 15 percent slopes				
	85	Wellston	3e	—
WeB—Wellston silt loam, 3 to 8 percent slopes				
	85	Wellston	2e	—
WeC—Wellston silt loam, 8 to 15 percent slopes				
	85	Wellston	3e	—
WfC—Wellston-Cruze silt loams, 8 to 15 percent slopes				
	50	Wellston	3e	—
	45	Cruze	3e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
WgC—Wellston-Guernsey silt loams, 8 to 15 percent slopes				
	50	Wellston	3e	—
	35	Guernsey	3e	—
WhC—Westmoreland-Guernsey silt loams, 8 to 15 percent slopes				
	50	Westmoreland	3e	—
	35	Guernsey	3e	—
WmB—Westmore silt loam, 2 to 6 percent slopes				
	85	Westmore	2e	—
WmC—Westmore silt loam, 6 to 15 percent slopes				
	80	Westmore	3e	—
WnB—Westmore silt loam, 3 to 8 percent slopes				
	100	Westmore	2e	—
WnC—Westmore silt loam, 8 to 15 percent slopes				
	100	Westmore	3e	—
WoD—Westmoreland silt loam, 15 to 25 percent slopes				
	80	Westmoreland	4e	—
WpE—Westmoreland-Berks complex, 25 to 40 percent slopes				
	60	Westmoreland	6e	—
	20	Berks	6e	—
WpF—Westmoreland-Berks complex, 40 to 70 percent slopes				
	45	Westmoreland	7e	—
	40	Berks	7e	—
WrD—Westmoreland-Guernsey silt loams, 15 to 25 percent slopes				
	50	Westmoreland	4e	—
	35	Guernsey	4e	—
WrE—Westmoreland-Guernsey silt loams, 25 to 40 percent slopes				
	55	Westmoreland	6e	—
	30	Guernsey	6e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
WrF—Westmoreland-Guernsey silt loams, 40 to 70 percent slopes				
	60	Westmoreland	7e	—
	20	Guernsey	7e	—
WtA—Wheeling silt loam, 0 to 3 percent slopes				
	80	Wheeling	1	—
Wya1B1—Wyatt silt loam, 2 to 6 percent slopes				
	85	Wyatt	3e	—
Wya3C2—Wyatt silty clay loam, 6 to 12 percent slopes, eroded				
	85	Wyatt	4e	—
Wya3D2—Wyatt silty clay loam, 12 to 18 percent slopes, eroded				
	85	Wyatt	6e	—
ZnB—Zanesville silt loam, 2 to 6 percent slopes				
	85	Zanesville	2e	—
ZnC—Zanesville silt loam, 6 to 15 percent slopes				
	85	Zanesville	3e	—
ZvC2—Zanesville silt loam, 6 to 15 percent slopes, eroded				
	80	Zanesville	3e	—

Data Source Information

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