

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—Meigs County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AgC—Aaron-Gilpin complex, 8 to 15 percent slopes				
	50	Aaron	3e	—
	35	Gilpin	3e	—
AuC2—Aaron-Upshur complex, 8 to 15 percent slopes, eroded				
	50	Aaron	4e	—
	35	Upshur	4e	—
BkF—Berks-Westmoreland silt loams, 40 to 70 percent slopes				
	55	Berks	7e	—
	35	Westmoreland	7e	—
Chg1AF—Chagrin silt loam, 0 to 3 percent slopes, frequently flooded				
	95	Chagrin	2w	—
CkA—Cidermill silt loam, 0 to 2 percent slopes				
	90	Cidermill	1	—
CkB—Cidermill silt loam, 2 to 6 percent slopes				
	90	Cidermill	2e	—
CnA—Conotton gravelly loam, 0 to 2 percent slopes				
	90	Conotton	3s	—
CnC—Conotton gravelly loam, 6 to 12 percent slopes				
	90	Conotton	4e	—
CnE—Conotton gravelly loam, 18 to 40 percent slopes				
	85	Conotton	7e	—
DeF—DeKalb-Westmoreland complex, 40 to 70 percent slopes				
	55	DeKalb	7e	—
	35	Westmoreland	7e	—

Land Capability Classification--Meigs County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Dol1A1—Doles silt loam, 0 to 2 percent slopes				
	85	Doles	2w	—
Dp—Dumps, mine				
	100	Dumps	—	—
DuC—Duncannon silt loam, 6 to 12 percent slopes				
	95	Duncannon	3e	—
EkA—Elkinsville silt loam, 0 to 2 percent slopes				
	90	Elkinsville	1	—
Gal2C1—Gallia loam, 6 to 12 percent slopes				
	85	Gallia	3e	—
Gal2D1—Gallia loam, 12 to 18 percent slopes				
	85	Gallia	4e	—
GbA—Gallipolis silt loam, 0 to 2 percent slopes				
	90	Gallipolis	1	—
GbB—Gallipolis silt loam, 2 to 6 percent slopes				
	85	Gallipolis	2e	—
GeD—Germano-Gilpin complex, 15 to 25 percent slopes				
	40	Germano	4e	—
	35	Gilpin	4e	—
GeE—Germano-Gilpin complex, 25 to 40 percent slopes				
	65	Germano	6e	—
	15	Gilpin	6e	—
GhB—Gilpin silt loam, 3 to 8 percent slopes				
	85	Gilpin	2e	—
GhC2—Gilpin silt loam, 8 to 15 percent slopes				
	80	Gilpin	3e	—
GIR1D1—Gilpin-Rarden silt loams, 15 to 25 percent slopes				
	50	Gilpin	4e	—
	30	Rarden	6e	—
GIR1D2—Gilpin-Rarden silt loams, 15 to 25 percent slopes, eroded				
	50	Gilpin	4e	—
	30	Rarden	6e	—

Land Capability Classification--Meigs County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
GIR1E1—Gilpin-Rarden silt loams, 25 to 40 percent slopes				
	50	Gilpin	6e	—
	30	Rarden	7e	—
GuC—Gilpin-Upshur silt loams, 8 to 15 percent slopes				
	50	Gilpin	3e	—
	30	Upshur	4e	—
GuD—Gilpin-Upshur silt loams, 15 to 25 percent slopes				
	50	Gilpin	4e	—
	30	Upshur	6e	—
GuE—Gilpin-Upshur complex, 25 to 50 percent slopes				
	45	Gilpin	6e	—
	35	Upshur	7e	—
GwD—Guernsey-Gilpin complex, 15 to 25 percent slopes				
	45	Guernsey	4e	—
	40	Gilpin	4e	—
GwE—Guernsey-Gilpin complex, 25 to 40 percent slopes				
	45	Gilpin	6e	—
	45	Guernsey	6e	—
Hay1AF—Haymond silt loam, 0 to 3 percent slopes, frequently flooded				
	85	Haymond	2w	—
KeB—Keene silt loam, 3 to 8 percent slopes				
	90	Keene	2e	—
KeC—Keene silt loam, 6 to 12 percent slopes				
	80	Keene	3e	—
KnL1AF—Kinnick-Lindside silt loams, 0 to 3 percent slopes, frequently flooded				
	70	Kinnick	2w	—
	20	Lindside	2w	—
Ky—Kyger loamy sand, frequently flooded				
	95	Kyger	6w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
LaB--Lakin loamy fine sand, 1 to 6 percent slopes				
	95	Lakin	3s	—
LaC--Lakin loamy fine sand, 6 to 12 percent slopes				
	95	Lakin	4s	—
LaD--Lakin loamy fine sand, 12 to 18 percent slopes				
	95	Lakin	6s	—
LaE--Lakin loamy fine sand, 18 to 40 percent slopes				
	90	Lakin	7s	—
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	—
Mel1AF--Melvin silt loam, 0 to 2 percent slopes, frequently flooded				
	90	Melvin	3w	—
Mos1AF--Moshannon silt loam, 0 to 3 percent slopes, frequently flooded				
	90	Moshannon	2w	—
New1AF--Newark silt loam, 0 to 3 percent slopes, frequently flooded				
	90	Newark	2w	—
No--Nolin silt loam, 0 to 3 percent slopes, frequently flooded				
	90	Nolin	2w	—
Omu1B1--Omulga silt loam, 2 to 6 percent slopes				
	85	Omulga	2e	—
Omu1C1--Omulga silt loam, 6 to 12 percent slopes				
	85	Omulga	3e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Orr1AF--Orrville silt loam, 0 to 3 percent slopes, frequently flooded				
	85	Orrville	2w	—
PnB--Pinegrove coarse sandy loam, 0 to 8 percent slopes				
	90	Pinegrove	7s	—
PnD--Pinegrove coarse sandy loam, 8 to 25 percent slopes				
	85	Pinegrove	7s	—
PnF--Pinegrove coarse sandy loam, 25 to 70 percent slopes				
	85	Pinegrove	7e	—
Pop1AF--Pope silt loam, 0 to 3 percent slopes, frequently flooded				
	85	Pope	2w	—
PpS1AF--Pope-Stokly silt loams, 0 to 3 percent slopes, frequently flooded				
	45	Pope	2w	—
	40	Stokly	2w	—
PuB--Pinegrove silty clay loam, 0 to 8 percent slopes				
	95	Pinegrove	6s	—
PuD--Pinegrove silty clay loam, 8 to 25 percent slopes				
	90	Pinegrove	6s	—
PuF--Pinegrove silty clay loam, 25 to 70 percent slopes				
	85	Pinegrove	7e	—
Px--Pits, gravel				
	100	Pits	—	—
Rar1C2--Rarden silt loam, 8 to 15 percent slopes, eroded				
	85	Rarden	4e	—
RcB--Richland silt loam, 2 to 6 percent slopes				
	85	Richland	2e	—
RdD--Richland loam, 15 to 25 percent slopes				
	85	Richland	4e	—
RdE--Richland loam, 25 to 40 percent slopes				
	85	Richland	6e	—

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			Nonirrigated	Irrigated
SkP1AF--Stokly-Philo silt loams, 0 to 3 percent slopes, frequently flooded				
	55	Stokly	2w	—
	30	Philo	2w	—
SsE--Steinsburg sandy loam, 25 to 40 percent slopes				
	85	Steinsburg	7e	—
SsF--Steinsburg sandy loam, 40 to 70 percent slopes				
	90	Steinsburg	7e	—
StF--Steinsburg fine sandy loam, 40 to 70 percent slopes				
	85	Steinsburg	7e	—
TaA--Taggart silt loam, 0 to 2 percent slopes				
	85	Taggart	2w	—
UbC--Upshur silt loam, 8 to 15 percent slopes				
	85	Upshur	4e	—
Ud--Udorthents				
	100	Udorthents	—	—
UgC2--Upshur-Gilpin complex, 8 to 15 percent slopes, eroded				
	45	Upshur	4e	—
	40	Gilpin	3e	—
UgD--Upshur-Gilpin complex, 15 to 25 percent slopes				
	60	Upshur	6e	—
	25	Gilpin	4e	—
UgE--Upshur-Gilpin complex, 25 to 50 percent slopes				
	45	Upshur	7e	—
	35	Gilpin	7e	—
UpC--Upshur silty clay loam, 8 to 15 percent slopes				
	85	Upshur	4e	—
UsD--Upshur-Steinsburg complex, 15 to 25 percent slopes				
	50	Upshur	6e	—
	30	Steinsburg	4e	—

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			Nonirrigated	Irrigated
UsE—Upshur-Steinsburg complex, 25 to 50 percent slopes				
	45	Upshur	7e	—
	30	Steinsburg	7e	—
VaC2—Vandalia silt loam, 8 to 15 percent slopes				
	80	Vandalia	3e	—
VaD2—Vandalia silt loam, 15 to 25 percent slopes				
	80	Vandalia	4e	—
VbD—Vandalia-Brookside complex, 15 to 25 percent slopes				
	55	Vandalia	4e	—
	35	Brookside	4e	—
VcD—Vandalia-Richland complex, 15 to 25 percent slopes				
	50	Vandalia	4e	—
	35	Richland	4e	—
VnB2—Vincent silty clay loam, 2 to 6 percent slopes, eroded				
	90	Vincent	2e	—
VnC2—Vincent silty clay loam, 6 to 12 percent slopes, eroded				
	90	Vincent	3e	—
W—Water				
	100	Water	—	—
WeC—Wellston silt loam, 8 to 15 percent slopes				
	85	Wellston	3e	—
WgD—Westmoreland-Gilpin complex, 15 to 25 percent slopes				
	40	Westmoreland	4e	—
	35	Gilpin	4e	—
WgE—Westmoreland-Gilpin complex, 25 to 40 percent slopes				
	40	Westmoreland	6e	—
	35	Gilpin	6e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
WgF--Westmoreland-Gilpin complex, 40 to 70 percent slopes				
	40	Westmoreland	7e	—
	35	Gilpin	7e	—
WoB--Woodsfield silt loam, 2 to 6 percent slopes				
	95	Woodsfield	2e	—
WpB--Woodsfield silt loam, 3 to 8 percent slopes				
	90	Woodsfield	2e	—
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, 3 to 8 percent slopes				
	100	Zanesville	2e	—

Data Source Information

Soil Survey Area: Meigs County, Ohio
 Survey Area Data: Version 10, Sep 19, 2014