

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—Hancock County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AdA—Adrian muck, drained, 0 to 1 percent slopes				
	95	Adrian, drained	4w	—
AkA—Alvada loam, 0 to 1 percent slopes				
	80	Alvada	2w	—
AmA—Alvada-Urban land complex, 0 to 2 percent slopes				
	50	Alvada	—	—
	25	Urban land	—	—
AnA—Aquents, clayey, 0 to 1 percent slopes				
	90	Aquents	—	—
ApB—Arkport loamy fine sand, 2 to 6 percent slopes				
	90	Arkport	2e	—
ArA—Aurand loam, 0 to 2 percent slopes				
	90	Aurand	2w	—
AsA—Aurand-Urban land complex, 0 to 2 percent slopes				
	50	Aurand	—	—
	35	Urban land	—	—
BgA—Biglick-Milton complex, 0 to 2 percent slopes				
	70	Biglick	3s	—
	25	Milton	2s	—
BgB—Biglick-Milton complex, 2 to 6 percent slopes				
	55	Biglick	3e	—
	40	Milton	2e	—
Ble1A1—Blount silt loam, end moraine, 0 to 2 percent slopes				
	85	Blount, end moraine	2w	—

Land Capability Classification--Hancock County, Ohio				
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	—
BnA—Blount loam, 0 to 2 percent slopes				
	85	Blount	2w	—
BpA—Blount-Houcktown complex, 0 to 3 percent slopes				
	60	Blount	2w	—
	35	Houcktown	1	—
BrA—Blount-Jenera complex, 0 to 3 percent slopes				
	55	Blount	2w	—
	40	Jenera	1	—
BuA—Blount-Urban land complex, 0 to 2 percent slopes				
	50	Blount	—	—
	35	Urban land	—	—
ChC—Channahon-Biglick complex, 6 to 12 percent slopes				
	55	Channahon	4e	—
	40	Biglick	4e	—
CoA—Colwood loam, 0 to 1 percent slopes				
	80	Colwood	2w	—
CtA—Cygnet loam, 0 to 2 percent slopes				
	90	Cygnet	1	—
CuA—Cygnet-Urban land complex, 0 to 2 percent slopes				
	50	Cygnet	—	—
	40	Urban land	—	—
DbA—Darroch loam, 0 to 2 percent slopes				
	90	Darroch	2w	—
DeA—Del Rey silt loam, 0 to 2 percent slopes				
	85	Del rey	2w	—

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			Nonirrigated	Irrigated
DfA—Del Rey-Blount complex, 0 to 3 percent slopes				
	55	Del rey	2w	—
	40	Blount	2w	—
DuB—Dunbridge loamy fine sand, 1 to 4 percent slopes				
	100	Dunbridge	3s	—
EmA—Elliott silt loam, 0 to 2 percent slopes				
	90	Elliott	2w	—
FbA—Flatrock loam, 0 to 2 percent slopes, occasionally flooded				
	95	Flatrock	2w	—
FcA—Flatrock silt loam, 0 to 2 percent slopes, occasionally flooded				
	90	Flatrock	2w	—
FdA—Flatrock silt loam, limestone substratum, 0 to 2 percent slopes, occasionally flooded				
	95	Flatrock, limestone substratum	2w	—
FoA—Fox loam, 0 to 2 percent slopes				
	90	Fox	2s	—
FoB—Fox loam, 2 to 6 percent slopes				
	90	Fox	2e	—
FoC2—Fox loam, 6 to 12 percent slopes, eroded				
	100	Fox	3e	—
FsA—Fulton silt loam, 0 to 2 percent slopes				
	80	Fulton	3w	—
FtA—Fulton silt loam, till substratum, 0 to 2 percent slopes				
	95	Fulton, till substratum	3w	—
GaB—Gallman loam, 2 to 6 percent slopes				
	90	Gallman	2e	—
GfA—Gilford mucky loam, 0 to 1 percent slopes				
	90	Gilford	3w	—
GmA—Glynwood loam, limestone substratum, 0 to 2 percent slopes				
	100	Glynwood, limestone substratum	1	—

Land Capability Classification--Hancock County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
GsB—Glynwood-Blount-Houcktown complex, 1 to 4 percent slopes				
	40	Glynwood	3e	—
	35	Blount	2e	—
	15	Houcktown	2e	—
GuB—Glynwood-Urban land complex, 2 to 6 percent slopes				
	55	Glynwood	—	—
	35	Urban land	—	—
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	—
Gwg5C2—Glynwood clay loam, ground moraine, 6 to 12 percent slopes, eroded				
	85	Glynwood	3e	—
HaA—Harrod silt loam, 0 to 1 percent slopes, frequently flooded				
	90	Harrod	3w	—
HcA—Hoytville silty clay loam, 0 to 1 percent slopes				
	91	Hoytville	2w	—
HkA—Haskins fine sandy loam, 0 to 2 percent slopes				
	95	Haskins	2w	—
HnA—Haskins loam, 0 to 2 percent slopes				
	95	Haskins	2w	—
HoA—Hoytville clay loam, 0 to 1 percent slopes				
	91	Hoytville	2w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
HpA--Houcktown loam, 0 to 2 percent slopes				
	95	Houcktown	1	—
HpB--Houcktown loam, 2 to 6 percent slopes				
	90	Houcktown	2e	—
HrB--Houcktown-Glynwood-Jenera complex, 1 to 4 percent slopes				
	40	Houcktown	2e	—
	30	Glynwood	3e	—
	25	Jenera	2e	—
JeA--Jenera fine sandy loam, 0 to 2 percent slopes				
	85	Jenera	1	—
JeB--Jenera fine sandy loam, 2 to 6 percent slopes				
	95	Jenera	2e	—
JfB--Jenera-Shinrock, till substratum complex, 1 to 4 percent slopes				
	55	Jenera	2e	—
	35	Shinrock, till substratum	2e	—
JoA--Joliet loam, 0 to 1 percent slopes				
	95	Joliet	4w	—
KnA--Knoxdale silt loam, 0 to 2 percent slopes, occasionally flooded				
	90	Knoxdale	2w	—
LbA--Lamberjack loam, 0 to 2 percent slopes				
	85	Lamberjack	2w	—
LcA--Lamberjack-Urban land complex, 0 to 2 percent slopes				
	40	Lamberjack	—	—
	35	Urban land	—	—
LuB2--Lucas silty clay loam, 2 to 6 percent slopes, eroded				
	95	Lucas	3e	—
LyE--Lybrand silt loam, 18 to 50 percent slopes				
	95	Lybrand	6e	—
MbA--Medway silt loam, 0 to 2 percent slopes, occasionally flooded				
	90	Medway	2w	—

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			Nonirrigated	Irrigated
McA—Medway silt loam, limestone substratum, 0 to 2 percent slopes, occasionally flooded				
	90	Medway, limestone substratum	2w	—
MeA—Mermill loam, 0 to 1 percent slopes				
	90	Mermill	2w	—
MfA—Mermill clay loam, 0 to 1 percent slopes				
	90	Mermill	2w	—
MgA—Millsdale silty clay loam, 0 to 1 percent slopes				
	90	Millsdale	3w	—
MnA—Milton silt loam, 0 to 2 percent slopes				
	90	Milton	2s	—
MpD3—Morley clay loam, 12 to 18 percent slopes, severely eroded				
	90	Morley	6e	—
MrA—Morley loam, limestone substratum, 0 to 2 percent slopes				
	95	Morley, limestone substratum	1	—
MsB—Morley, limestone substratum-Milton complex, 2 to 6 percent slopes				
	60	Morley, limestone substratum	2e	—
	30	Milton	2e	—
MvB—Mortimer silt loam, 2 to 6 percent slopes				
	95	Mortimer	3e	—
MwB2—Mortimer silty clay loam, 2 to 6 percent slopes, eroded				
	95	Mortimer	4e	—
NnA—Nappanee loam, 0 to 2 percent slopes				
	90	Nappanee	3w	—
NnB—Nappanee loam, 2 to 6 percent slopes				
	90	Nappanee	3e	—
NpA—Nappanee silty clay loam, 0 to 2 percent slopes				
	90	Nappanee	3w	—
NpB2—Nappanee silty clay loam, 2 to 6 percent slopes, eroded				
	90	Nappanee	3e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
NrA--Nappanee-Urban land complex, 0 to 2 percent slopes				
	50	Nappanee	—	—
	40	Urban land	—	—
OrA--Oshtemo fine sandy loam, 0 to 2 percent slopes				
	85	Oshtemo	3s	3s
OrB--Oshtemo fine sandy loam, 2 to 6 percent slopes				
	93	Oshtemo	3e	3e
OrC--Oshtemo fine sandy loam, 6 to 12 percent slopes				
	95	Oshtemo	3e	3e
OsB--Oshtemo sandy loam, till substratum, 2 to 6 percent slopes				
	92	Oshtemo, till substratum	3e	—
OwB--Ottokee loamy fine sand, 0 to 6 percent slopes				
	80	Ottokee	3s	—
PbA--Patton silty clay loam, 0 to 1 percent slopes				
	85	Patton	2w	—
PmA--Pewamo silty clay loam, 0 to 1 percent slopes				
	94	Pewamo	2w	—
PnA--Pewamo-Urban land complex, 0 to 2 percent slopes				
	50	Pewamo	—	—
	30	Urban land	—	—
Pt--Pits, quarry				
	90	Pits	—	—
RcA--Randolph silt loam, 0 to 2 percent slopes				
	93	Randolph	3w	—
RgB--Rawson sandy loam, 2 to 6 percent slopes				
	95	Rawson	2e	—
RhA--Rensselaer loam, till substratum, 0 to 1 percent slopes				
	88	Rensselaer, till substratum	2w	—

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			Nonirrigated	Irrigated
RnA—Rimer loamy sand, 0 to 2 percent slopes				
	95	Rimer	2w	—
RoA—Rimer loamy fine sand, deep phase, 0 to 2 percent slopes				
	95	Rimer, deep phase	2w	—
RtA—Rossburg silt loam, 0 to 2 percent slopes, occasionally flooded				
	85	Rossburg	2w	—
SeA—Shawtown loam, 0 to 2 percent slopes				
	85	Shawtown	1	—
SeB—Shawtown loam, 2 to 6 percent slopes				
	91	Shawtown	2e	—
SfB—Shinrock silt loam, 2 to 6 percent slopes				
	95	Shinrock	2e	—
SgC2—Shinrock silty clay loam, 6 to 12 percent slopes, eroded				
	90	Shinrock	3e	—
SkB—Shinrock, till substratum-Glynwood complex, 1 to 4 percent slopes				
	50	Shinrock, till substratum	2e	—
	40	Glynwood	3e	—
SmA—Shoals silt loam, 0 to 2 percent slopes, occasionally flooded				
	85	Shoals	2w	—
SnA—Sloan loam, 0 to 1 percent slopes, occasionally flooded				
	90	Sloan	3w	—
SoA—Sloan silty clay loam, 0 to 1 percent slopes, occasionally flooded				
	90	Sloan	3w	—
SpA—Sloan silty clay loam, limestone substratum, 0 to 1 percent slopes, occasionally flooded				
	90	Sloan, limestone substratum	3w	—
StB2—St. Clair silty clay loam, 2 to 6 percent slopes, eroded				
	90	St. clair	3e	—
StC2—St. Clair silty clay loam, 6 to 12 percent slopes, eroded				
	95	St. clair	4e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
ThA--Thackery loam, till substratum, 0 to 2 percent slopes				
	80	Thackery, till substratum	1	—
TkA--Tiderishi loam, 0 to 2 percent slopes				
	85	Tiderishi	2w	—
TnA--Toledo silty clay loam, 0 to 1 percent slopes				
	90	Toledo	3w	—
ToB--Tuscola loamy fine sand, 2 to 6 percent slopes				
	93	Tuscola	2e	—
TpA--Tuscola fine sandy loam, 0 to 2 percent slopes				
	93	Tuscola	1	—
TpB--Tuscola fine sandy loam, 2 to 6 percent slopes				
	93	Tuscola	2e	—
TuB--Tuscola silt loam, 2 to 6 percent slopes				
	95	Tuscola	2e	—
UcA--Udorthents, loamy, 0 to 2 percent slopes				
	75	Udorthents	—	—
UcD--Udorthents, loamy, 2 to 25 percent slopes				
	85	Udorthents	—	—
Ur--Urban land				
	88	Urban land	—	—
VaA--Vanlue loam, 0 to 2 percent slopes				
	90	Vanlue	2w	—
VeA--Vaughnsville loam, 0 to 3 percent slopes				
	100	Vaughnsville	1	—
W--Water				
	100	Water	—	—
WeA--Westland-Rensselaer complex, 0 to 1 percent slopes				
	50	Westland	2w	—
	40	Rensselaer	2w	—

Data Source Information

Soil Survey Area: Hancock County, Ohio
Survey Area Data: Version 15, Sep 18, 2014