

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—Hamilton County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AcUXC—Alfic Udarents-Urban land complex, clayey substratum over bedrock, 0 to 12 percent slopes				
	65	Alfic udarents	6s	—
	30	Urban land	—	—
AcUXD—Alfic Udarents-Urban land complex, clayey substratum over bedrock, 12 to 25 percent slopes				
	65	Alfic udarents	6s	—
	30	Urban land	—	—
AcUXF—Alfic Udarents-Urban land complex, clayey substratum over bedrock, 25 to 60 percent slopes				
	65	Alfic udarents	6s	—
	30	Urban land	—	—
AfUXC—Alfic Udarents-Urban land complex, fragipan substratum over till, 0 to 12 percent slopes				
	65	Alfic udarents	6s	—
	25	Urban land	—	—
AoUXC—Alfic Udarents-Urban land complex, loamy substratum over bedrock, 0 to 12 percent slopes				
	65	Alfic udarents	6s	—
	30	Urban land	—	—
ArA—Ava silt loam, 0 to 3 percent slopes				
	85	Ava	2e	—
ArB2—Ava silt loam, 3 to 8 percent slopes, eroded				
	80	Ava	3e	—
ArC2—Ava silt loam, 8 to 15 percent slopes, eroded				
	85	Ava	3e	—

Land Capability Classification--Hamilton County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
AwUXC—Alfic Udarents-Urban land complex, loamy substratum over outwash, 0 to 12 percent slopes				
	65	Alfic udarents	6s	—
	25	Urban land	—	—
AyUXC—Alfic Udarents-Urban land complex, loamy substratum over till, 0 to 12 percent slopes				
	65	Alfic udarents	6s	—
	30	Urban land	—	—
AyUXD—Alfic Udarents-Urban land complex, loamy substratum over till, 12 to 25 percent slopes				
	65	Alfic udarents	6s	—
	30	Urban land	—	—
AyUXF—Alfic Udarents-Urban land complex, loamy substratum over till, 25 to 60 percent slopes				
	65	Alfic udarents	7s	—
	25	Urban land	—	—
BoD—Bonnell silt loam, 15 to 25 percent slopes				
	85	Bonnell	6e	—
BoE—Bonnell silt loam, 25 to 35 percent slopes				
	85	Bonnell	6e	—
BoF—Bonnell silt loam, 35 to 60 percent slopes				
	85	Bonnell	7e	—
CcC2—Casco gravelly loam, 8 to 15 percent slopes, eroded				
	85	Casco	4e	—
CdD—Casco loam, 15 to 25 percent slopes				
	85	Casco	6e	—
CdE—Casco loam, 25 to 35 percent slopes				
	85	Casco	7e	—
CdF—Casco loam, 35 to 70 percent slopes				
	85	Casco	7e	—
CfE—Casco and Rodman gravelly loams, 18 to 35 percent slopes				
	55	Casco	7e	—
	30	Rodman	7s	—

Land Capability Classification--Hamilton County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
CmB—Cincinnati silt loam, 2 to 6 percent slopes				
	95	Cincinnati	2e	—
CmC2—Cincinnati silt loam, 6 to 12 percent slopes, moderately eroded				
	90	Cincinnati	3e	—
CnB2—Cincinnati silt loam, 3 to 8 percent slopes, eroded				
	85	Cincinnati	2e	—
CnC2—Cincinnati silt loam, 8 to 15 percent slopes, eroded				
	85	Cincinnati	3e	—
CNWXFF—Chagrin-Nelse-Wheeling complex, 2 to 75 percent slopes, frequently flooded				
	35	Nelse, frequently flooded	4e	—
	35	Chagrin, frequently flooded	4e	—
	15	Wheeling, frequently flooded	7e	—
Da—Dumps, ash				
	100	Dumps, ash	8s	—
DaB—Dana silt loam, 0 to 4 percent slopes				
	85	Dana	2e	—
Dam—Dam				
	100	Dam	8s	—
Dc—Dumps, coal				
	100	Dumps, coal	8s	—
DcB—Dana silt loam, 2 to 6 percent slopes				
	90	Dana	2e	—
DI—Dumps, lime				
	100	Dumps, lime	8s	—
EcB2—Eden silty clay loam, 3 to 8 percent slopes, eroded				
	90	Eden	3e	—
EcC2—Eden silty clay loam, 8 to 15 percent slopes, eroded				
	90	Eden	4e	—
EcD—Eden silty clay loam, 15 to 25 percent slopes				
	90	Eden	6e	—

Land Capability Classification--Hamilton County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
EcE—Eden silty clay loam, 25 to 40 percent slopes				
	90	Eden	7e	—
EcE2—Eden silty clay loam, 15 to 25 percent slopes, moderately eroded				
	90	Eden	6e	—
EcF2—Eden silty clay loam, 25 to 50 percent slopes, moderately eroded				
	90	Eden	7e	—
EdF—Eden flaggy silty clay loam, 40 to 60 percent slopes				
	90	Eden	7e	—
EpA—Eldean loam, 0 to 2 percent slopes				
	85	Eldean	2s	—
EpB2—Eldean loam, 2 to 6 percent slopes, eroded				
	85	Eldean	2e	—
EpC2—Eldean loam, 6 to 12 percent slopes, eroded				
	85	Eldean	3e	—
EvB—Elkinsville silt loam, 2 to 6 percent slopes				
	85	Elkinsville	2e	—
EvC—Elkinsville silt loam, 6 to 12 percent slopes				
	85	Elkinsville	3e	—
FdA—Fincastle silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes				
	85	Fincastle	2w	—
FoA—Fox loam, 0 to 2 percent slopes				
	100	Fox	2s	—
FoB2—Fox loam, 2 to 6 percent slopes, eroded				
	100	Fox	2e	—
Gn—Genesee loam, occasionally flooded				
	90	Genesee	2w	—
HeF—Hennepin silt loam, 35 to 60 percent slopes				
	85	Hennepin	7e	—

Land Capability Classification—Hamilton County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
HmE2—Hennepin-Miamian silt loams, 18 to 25 percent slopes, moderately eroded				
	60	Hennepin	6e	—
	25	Miamian	6e	—
HmF—Hennepin-Miamian silt loams, 25 to 50 percent slopes				
	60	Hennepin	7e	—
	25	Miamian	7e	—
HoA—Henshaw silt loam, 0 to 2 percent slopes				
	85	Henshaw	2w	—
Hu—Huntington silt loam, occasionally flooded				
	95	Huntington	2w	—
JoR1A1—Jonesboro-Rossmoyne silt loams, 0 to 2 percent slopes				
	50	Jonesboro	2w	—
	35	Rossmoyne	2w	—
JoR1B1—Jonesboro-Rossmoyne silt loams, 2 to 6 percent slopes				
	50	Jonesboro	2e	—
	45	Rossmoyne	2e	—
JoR1B2—Jonesboro-Rossmoyne silt loams, 2 to 6 percent slopes, eroded				
	52	Jonesboro, eroded	2e	—
	42	Rossmoyne, eroded	2e	—
Ju—Jules silt loam, occasionally flooded				
	85	Jules	2w	—
Lg—Lanier sandy loam, occasionally flooded				
	97	Lanier	2w	—
MaB—Markland silty clay loam, 2 to 6 percent slopes				
	90	Markland	3e	—
MaC2—Markland silty clay loam, 6 to 12 percent slopes, eroded				
	90	Markland	4e	—
MaD2—Markland silty clay loam, 12 to 18 percent slopes, eroded				
	90	Markland	6e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
MaE2—Markland silty clay loam, 18 to 25 percent slopes, eroded				
	90	Markland	6e	—
McA—Martinsville silt loam, 0 to 2 percent slopes				
	85	Martinsville	1	—
McB—Martinsville silt loam, 2 to 6 percent slopes				
	85	Martinsville	2e	—
MnC2—Miamian silt loam, 8 to 15 percent slopes, eroded				
	85	Miamian	3e	—
MoD2—Miamian-Hennepin silt loams, 15 to 25 percent slopes, eroded				
	50	Miamian	6e	—
	30	Hennepin	6e	—
MoE2—Miamian-Hennepin silt loams, 25 to 35 percent slopes, eroded				
	40	Hennepin	7e	—
	40	Miamian	7e	—
MoUXCO—Mollic Udarents-Urban land complex, loamy substratum, 0 to 12 percent slopes, occasionally flooded				
	65	Mollic udarents, occasionally flooded	6s	—
	25	Urban land, occasionally flooded	—	—
MsC2—Miamian-Russell silt loams, bedrock substratum, 6 to 12 percent slopes, moderately eroded				
	60	Miamian	3e	—
	30	Russell	3e	—
OcA—Ockley silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes				
	85	Ockley	1	—
OcB—Ockley silt loam, 2 to 6 percent slopes				
	90	Ockley	2e	—
Pb—Pits, borrow				
	100	Pits, barrow	8s	—
PbB2—Parke silt loam, 3 to 8 percent slopes, eroded				
	85	Parke	2e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
PbC2--Parke silt loam, 8 to 15 percent slopes, eroded				
	85	Parke	3e	—
PbD--Parke silt loam, 15 to 25 percent slopes				
	85	Parke	6e	—
PbE--Parke silt loam, 25 to 35 percent slopes				
	80	Parke	6e	—
PfC--Pate silty clay loam, 8 to 15 percent slopes				
	100	Pate	3e	—
PfD--Pate silty clay loam, 15 to 25 percent slopes				
	85	Pate	4e	—
PfE--Pate silty clay loam, 25 to 35 percent slopes				
	85	Pate	7e	—
Pg--Pits, gravel				
	100	Pits, gravel	8s	—
Pn--Patton silty clay loam				
	85	Patton	2w	—
PrA--Princeton sandy loam, 0 to 2 percent slopes				
	100	Princeton	1	—
PrB--Princeton sandy loam, 2 to 6 percent slopes				
	100	Princeton	2e	—
PrC2--Princeton sandy loam, 6 to 12 percent slopes, eroded				
	100	Princeton	3e	—
Ra--Ragsdale silty clay loam				
	85	Ragsdale	2w	—
RdA--Raub silt loam, 0 to 2 percent slopes				
	85	Raub	2w	—
Rm--Ross loam				
	85	Ross	2w	—
Rn--Ross loam, rarely flooded				
	85	Ross	1	—

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			Nonirrigated	Irrigated
RoC2—Rossmoyne silt loam, 6 to 12 percent slopes, moderately eroded				
	97	Rossmoyne	3e	—
RpC2—Rossmoyne silt loam, 8 to 15 percent slopes, eroded				
	85	Rossmoyne	3e	—
RuB—Russell-Miamian silt loams, 2 to 6 percent slopes				
	50	Russell	2e	—
	30	Miamian	2e	—
RuB2—Russell-Miamian silt loams, 2 to 6 percent slopes, moderately eroded				
	50	Russell	2e	—
	30	Miamian	2e	—
RvB—Russell-Miamian silt loams, bedrock substratum, 2 to 6 percent slopes				
	50	Russell	2e	—
	30	Miamian	2e	—
RvB2—Russell-Miamian silt loams, bedrock substratum, 2 to 6 percent slopes, moderately eroded				
	50	Russell, bedrock substratum	2e	—
	30	Miamian	2e	—
RwB—Russell silt loam, 2 to 6 percent slopes				
	90	Russell	2e	—
RwB2—Russell silt loam, 3 to 8 percent slopes, eroded				
	85	Russell	2e	—
Sh—Shoals silt loam				
	85	Shoals	2w	—
St—Stonelick fine sandy loam, frequently flooded				
	95	Stonelick	3w	—
SwB2—Switzerland silt loam, 3 to 8 percent slopes, eroded				
	85	Switzerland	2e	—
SwC2—Switzerland silt loam, 8 to 15 percent slopes, eroded				
	90	Switzerland	3e	—

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			Nonirrigated	Irrigated
SwD2—Switzerland silt loam, 15 to 25 percent slopes, eroded				
	85	Switzerland	4e	—
UAAXC—Urban land-Alfics Udarents-Ava complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfics udarents	6s	—
	15	Ava	—	—
UABXD—Urban land-Alfics Udarents-Bonnell complex, 12 to 25 percent slopes				
	50	Urban land	—	—
	30	Alfics udarents	6s	—
	15	Bonnell	6e	—
UABXF—Urban land-Alfics Udarents-Bonnell complex, 25 to 60 percent slopes				
	50	Urban land	—	—
	30	Alfics udarents	7s	—
	15	Bonnell	7e	—
UACXC—Urban land-Alfics Udarents-Casco complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfics udarents	6s	—
	15	Casco	3e	—
UACXD—Urban land-Alfics Udarents-Casco complex, 12 to 25 percent slopes				
	50	Urban land	—	—
	30	Alfics udarents	6s	—
	15	Casco	6e	—
UACXF—Urban land-Alfics Udarents-Casco complex, 25 to 70 percent slopes				
	50	Urban land	—	—
	30	Alfics udarents	7s	—
	15	Casco	7e	—
UADXC—Urban land-Alfics Udarents-Eldean complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfics udarents	6s	—
	15	Eldean	3e	—

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			Nonirrigated	Irrigated
UAEXC—Urban land-Alfic Udarents-Eden complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Eden	3e	—
UAEXD—Urban land-Alfic Udarents-Eden complex, 12 to 25 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Eden	6e	—
UAEXF—Urban land-Alfic Udarents-Eden complex, 25 to 60 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Eden	7e	—
UAFXC—Urban land-Alfic Udarents-Fincastle complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Fincastle	2w	—
UAGXC—Urban land-Alfic Udarents-Rossmoyne complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Rossmoyne	3e	—
UAHXB—Urban land-Alfic Udarents-Henshaw complex, 0 to 6 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Henshaw	2w	—
UAJXC—Urban land-Alfic Udarents-Fox complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Fox	2e	—

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			Nonirrigated	Irrigated
UAKXC—Urban land-Alfic Udarents-Elkinsville complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Elkinsville	3e	—
UALXC—Urban land-Alfic Udarents-Russell complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Russell	3e	—
UAMXC—Urban land-Alfic Udarents-Markland complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Markland	3e	—
UANXC—Urban land-Alfic Udarents-Miamian complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Miamian	3e	—
UANXD—Urban land-Alfic Udarents-Miamian complex, 12 to 25 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Miamian	6e	—
UAOXC—Urban land-Alfic Udarents-Princeton complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Princeton	3e	—
UAPXC—Urban land-Alfic Udarents-Parke complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Parke	3e	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
UAPXD—Urban land-Alfic Udarents-Parke complex, 12 to 25 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Parke	6e	—
UAPXF—Urban land-Alfic Udarents-Parke complex, 25 to 50 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Parke	6e	—
UAQXC—Urban land-Alfic Udarents-Cincinnati complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Cincinnati	3e	—
UARXC—Urban land-Alfic Udarents-Martinsville complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Martinsville	2e	—
UASXC—Urban land-Alfic Udarents-Switzerland complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Switzerland	3e	—
UASXD—Urban land-Alfic Udarents-Switzerland complex, 12 to 25 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Switzerland	6e	—
UATXC—Urban land-Alfic Udarents-Pate complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	20	Pate	3e	—

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			Nonirrigated	Irrigated
UATXD—Urban land-Alfic Udarents-Pate complex, 12 to 25 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Pate	6e	—
UATXE—Urban land-Alfic Udarents-Pate complex, 25 to 35 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Pate	7e	—
UAVXC—Urban land-Alfic Udarents-Avonburg complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Avonburg	—	—
UAWXC—Urban land-Alfic Udarents-Wynn complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Wynn	3e	—
UAXXC—Urban land-Alfic Udarents-Xenia complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Xenia	2e	—
UbAXC—Urban land-Alfic Udarents complex, loamy substratum over bedrock, 0 to 12 percent slopes				
	55	Urban land	—	—
	40	Alfic udarents	6s	—
UbAXD—Urban land-Alfic Udarents complex, loamy substratum over bedrock, 12 to 25 percent slopes				
	60	Urban land	—	—
	30	Alfic udarents	6s	—
UcAXC—Urban land-Alfic Udarents complex, clayey substratum over bedrock, 0 to 12 percent slopes				
	55	Urban land	—	—
	40	Alfic udarents	6s	—

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			Nonirrigated	Irrigated
UcAXD—Urban land-Alfic Udarents complex, clayey substratum over bedrock, 12 to 25 percent slopes				
	55	Urban land	—	—
	40	Alfic udarents	6s	—
UcAXF—Urban land-Alfic Udarents complex, clayey substratum over bedrock, 25 to 60 percent slopes				
	55	Urban land	—	—
	40	Alfic udarents	6s	—
UdMXCO—Urban land-Mollic Udarents complex, loamy substratum, 0 to 12 percent slopes, occasionally flooded				
	55	Urban land, occasionally flooded	—	—
	30	Mollic udarents, occasionally flooded	6s	—
Udo—Udorthents				
	88	Udorthents	—	—
UdoO—Udorthents, occasionally flooded				
	88	Udorthents, occasionally flooded	—	—
UfAXC—Urban land-Alfic Udarents complex, fragipan substratum over till, 0 to 12 percent slopes				
	55	Urban land	—	—
	35	Alfic udarents	6s	—
UfUXF—Urban land-Udorthents complex, refuse substratum, 0 to 50 percent slopes				
	50	Urban land	—	—
	50	Udorthents	—	—
UHGXAO—Urban land-Haplic Udarents-Genesee complex, 0 to 2 percent slopes, occasionally flooded				
	50	Urban land, occasionally flooded	—	—
	30	Haplic udarents, occasionally flooded	6s	—
	15	Genesee, occasionally flooded	2w	—
UHJXAO—Urban land-Haplic Udarents-Jules complex, 0 to 2 percent slopes, occasionally flooded				
	50	Urban land, occasionally flooded	—	—
	30	Haplic udarents, occasionally flooded	6s	—
	15	Jules, occasionally flooded	2w	—

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Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
UHSXAF—Urban land-Haplic Udarents-Stonelick complex, 0 to 2 percent slopes, frequently flooded				
	50	Urban land, frequently flooded	—	—
	30	Haplic udarents, frequently flooded	6s	—
	15	Stonelick, frequently flooded	3w	—
UHWXAO—Urban land-Haplic Udarents-Wakeland complex, 0 to 2 percent slopes, occasionally flooded				
	50	Urban land, occasionally flooded	—	—
	30	Haplic udarents, occasionally flooded	6s	—
	15	Wakeland, occasionally flooded	2w	—
UMDXC—Urban land-Mollic Udarents-Dana complex, 0 to 12 percent slopes				
	50	Urban land	—	—
	30	Alfic udarents	6s	—
	15	Dana	2e	—
UMHXAO—Urban land-Mollic Udarents-Huntington complex, 0 to 2 percent slopes, occasionally flooded				
	50	Urban land, occasionally flooded	—	—
	30	Mollic udarents, occasionally flooded	6s	—
	15	Huntington, occasionally flooded	2w	—
UMLXAO—Urban land-Mollic Udarents-Lanier complex, 0 to 2 percent slopes, occasionally flooded				
	50	Urban land, occasionally flooded	—	—
	30	Mollic udarents, occasionally flooded	6s	—
	18	Lanier, occasionally flooded	2w	—
UMRXA—Urban land-Mollic Udarents-Raub complex, 0 to 2 percent slopes				
	50	Urban land	—	—
	30	Mollic udarents	6s	—
	15	Raub	2w	—
UMSXAR—Urban land-Mollic Udarents-Ross complex, 0 to 2 percent slopes, rarely flooded				
	50	Urban land, rarely flooded	—	—
	30	Mollic udarents, rarely flooded	6s	—
	15	Ross, rarely flooded	1	—

Land Capability Classification--Hamilton County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
UoAXC—Urban land-Alfic Udarents complex, loamy substratum, 0 to 12 percent slopes				
	55	Urban land	—	—
	30	Alfic udarents	6s	—
Ur—Urban land				
	95	Urban land	—	—
UrO—Urban land, 0 to 12 percent slopes, occasionally flooded				
	90	Urban land, occasionally flooded	—	—
UrUXC—Urban land-Udorthents complex, 0 to 12 percent slopes				
	60	Urban land	—	—
	40	Udorthents	—	—
UrUXCO—Urban land-Udorthents complex, 0 to 12 percent slopes, occasionally flooded				
	60	Urban land, occasionally flooded	—	—
	40	Udorthents, occasionally flooded	—	—
UsUXF—Urban land-Udorthents complex, smoothed, 0 to 50 percent slopes				
	70	Udorthents	—	—
	30	Urban land	—	—
UtAXC—Urban land-Alfic Udarents complex, loamy substratum over till, 0 to 12 percent slopes				
	55	Urban land	—	—
	40	Alfic udarents	6s	—
UtAXD—Urban land-Alfic Udarents complex, loamy substratum over till, 12 to 25 percent slopes				
	55	Urban land	—	—
	40	Alfic udarents	6s	—
UtAXF—Urban land-Alfic Udarents complex, loamy substratum over till, 25 to 60 percent slopes				
	55	Urban land	—	—
	35	Alfic udarents	6s	—

Land Capability Classification--Hamilton County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
UTPXAP—Urban land-Typic Endoaquents-Patton complex, 0 to 2 percent slopes, ponded				
	50	Urban land	—	—
	30	Typic endoaquents, ponded	6w	—
	15	Patton, ponded	2w	—
UuBXAB—Urban land-Udarents complex, wet substratum, 0 to 6 percent slopes				
	57	Urban land	—	—
	38	Udorthents	—	—
UUWXFF—Urban land-Udorthents-Wheeling complex, 2 to 75 percent slopes, frequently flooded				
	50	Urban land, frequently flooded	—	—
	30	Udorthents, frequently flooded	—	—
	15	Wheeling, frequently flooded	7e	—
UwAXC—Urban land-Alfic Udarents complex, loamy substratum over outwash, 0 to 12 percent slopes				
	50	Urban land	—	—
	40	Alfic udarents	6s	—
UwAXD—Urban land-Alfic Udarents complex, loamy substratum over outwash, 12 to 25 percent slopes				
	50	Urban land	—	—
	40	Alfic udarents	6s	—
UwAXF—Urban land-Alfic Udarents complex, loamy substratum over outwash, 25 to 70 percent slopes				
	50	Urban land	—	—
	40	Alfic udarents	6s	—
W—Water				
	100	Water	—	—
Wa—Wakeland silt loam, occasionally flooded				
	85	Wakeland	2w	—
WbA—Warsaw variant sandy loam, 0 to 2 percent slopes				
	90	Warsaw variant	2s	1
WcA—Warsaw loam, 0 to 3 percent slopes				
	90	Warsaw	2s	—

Land Capability Classification--Hamilton County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
WeA—Wea silt loam, 0 to 2 percent slopes				
	85	Wea	1	—
WhA—Whitaker loam, 0 to 2 percent slopes				
	85	Whitaker	2w	—
WsS1A1—Westboro-Schaffer silt loams, 0 to 2 percent slopes				
	55	Westboro	2w	—
	30	Schaffer	2w	—
WyB—Wynn silt loam, 2 to 6 percent slopes				
	85	Wynn	2e	—
WyB2—Wynn silt loam, 2 to 6 percent slopes, moderately eroded				
	85	Wynn	2e	—
WyC2—Wynn silt loam, 6 to 12 percent slopes, moderately eroded				
	80	Wynn	2e	—
XfA—Xenia silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes				
	85	Xenia	1	—
XfB2—Xenia silt loam, 2 to 6 percent slopes, eroded				
	90	Xenia	2e	—
XhB—Xenia silt loam, bedrock substratum, 2 to 6 percent slopes				
	85	Xenia	2e	—
XhB2—Xenia silt loam, bedrock substratum, 2 to 6 percent slopes, moderately eroded				
	80	Xenia	2e	—

Data Source Information

Soil Survey Area: Hamilton County, Ohio
 Survey Area Data: Version 14, Sep 15, 2014