

Water Features

This table gives estimates of various soil water features. The estimates are used in land use planning that involves engineering considerations.

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The four hydrologic soil groups are:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas.

Surface runoff refers to the loss of water from an area by flow over the land surface. Surface runoff classes are based on slope, climate, and vegetative cover. The concept indicates relative runoff for very specific conditions. It is assumed that the surface of the soil is bare and that the retention of surface water resulting from irregularities in the ground surface is minimal. The classes are negligible, very low, low, medium, high, and very high.

The *months* in the table indicate the portion of the year in which a water table, ponding, and/or flooding is most likely to be a concern.

Water table refers to a saturated zone in the soil. The water features table indicates, by month, depth to the top (*upper limit*) and base (*lower limit*) of the saturated zone in most years. Estimates of the upper and lower limits are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors or mottles (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

Ponding is standing water in a closed depression. Unless a drainage system is installed, the water is removed only by percolation, transpiration, or evaporation. The table indicates *surface water depth* and the *duration* and *frequency* of ponding. Duration is expressed as *very brief* if less than 2 days, *brief* if 2 to 7 days, *long* if 7 to 30 days, and *very long* if more than 30 days. Frequency is expressed as none, rare, occasional, and frequent. *None* means that ponding is not probable; *rare* that it is unlikely but possible under unusual weather conditions (the chance of ponding is nearly 0 percent to 5 percent in any year); *occasional* that it occurs, on the average, once or less in 2 years (the chance of ponding is 5 to 50 percent in any year); and *frequent* that it occurs, on the average, more than once in 2 years (the chance of ponding is more than 50 percent in any year).

Flooding is the temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

Duration and *frequency* are estimated. Duration is expressed as *extremely brief* if 0.1 hour to 4 hours, *very brief* if 4 hours to 2 days, *brief* if 2 to 7 days, *long* if 7 to 30 days, and *very long* if more than 30 days. Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent. *None* means that flooding is not probable; *very rare* that it is very unlikely but possible under extremely unusual weather conditions (the chance of flooding is less than 1 percent in any year); *rare* that it is unlikely but possible under unusual weather conditions (the chance of flooding is 1 to 5 percent in any year); *occasional* that it occurs infrequently under normal weather conditions (the chance of flooding is 5 to 50 percent in any year); *frequent* that it is likely to occur often under normal weather conditions (the chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year); and *very frequent* that it is likely to occur very often under normal weather conditions (the chance of flooding is more than 50 percent in all months of any year).

The information is based on evidence in the soil profile, namely thin strata of gravel, sand, silt, or clay deposited by floodwater; irregular decrease in organic matter content with increasing depth; and little or no horizon development.

Also considered are local information about the extent and levels of flooding and the relation of each soil on the landscape to historic floods. Information on the extent of flooding based on soil data is less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

Report—Water Features

Absence of an entry indicates that the data were not estimated. The dash indicates no documented presence.

Water Features—Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
Ag—Algansee fine sand, occasionally flooded										
Algansee	A/D	Negligible	January	1.0-2.0	>6.0	—	—	None	Long (7 to 30 days)	Occasional
			February	1.0-2.0	>6.0	—	—	None	Long (7 to 30 days)	Occasional
			March	1.0-2.0	>6.0	—	—	None	Long (7 to 30 days)	Occasional
			April	1.0-2.0	>6.0	—	—	None	Long (7 to 30 days)	Occasional
			May	1.0-2.0	>6.0	—	—	None	Long (7 to 30 days)	Occasional
			November	1.0-2.0	>6.0	—	—	None	Long (7 to 30 days)	Occasional
			December	1.0-2.0	>6.0	—	—	None	Long (7 to 30 days)	Occasional

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
Bo--Bono silty clay										
Bono	C/D	Negligible	January	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			February	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			March	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			April	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			May	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			June	—	—	—	—	—	—	None
			July	—	—	—	—	—	—	None
			August	—	—	—	—	—	—	None
			September	—	—	—	—	—	—	None
			October	—	—	—	—	—	—	None
			November	—	—	—	—	—	—	None
			December	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
ChB—Castalia very stony fine sandy loam, 1 to 6 percent slopes										
Castalia	A	Medium	January	—	—	—	—	None	—	None
			February	—	—	—	—	None	—	None
			March	—	—	—	—	None	—	None
			April	—	—	—	—	None	—	None
			May	—	—	—	—	None	—	None
			June	—	—	—	—	None	—	None
			July	—	—	—	—	None	—	None
			August	—	—	—	—	None	—	None
			September	—	—	—	—	None	—	None
			October	—	—	—	—	None	—	None
			November	—	—	—	—	None	—	None
			December	—	—	—	—	None	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
Co--Colwood loam										
Colwood	B/D	Negligible	January	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			February	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			March	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			April	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			May	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			June	—	—	—	—	—	—	None
			July	—	—	—	—	—	—	None
			August	—	—	—	—	—	—	None
			September	—	—	—	—	—	—	None
			October	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			November	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			December	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
DeA—Del Rey silt loam, 1 to 3 percent slopes										
Del rey	D	High	January	1.0-3.0	>6.0	—	—	None	—	None
			February	1.0-3.0	>6.0	—	—	None	—	None
			March	1.0-3.0	>6.0	—	—	None	—	None
			April	1.0-3.0	>6.0	—	—	None	—	None
			May	1.0-3.0	>6.0	—	—	None	—	None
			June	—	—	—	—	None	—	None
			July	—	—	—	—	None	—	None
			August	—	—	—	—	None	—	None
			September	—	—	—	—	None	—	None
			October	—	—	—	—	None	—	None
			November	—	—	—	—	None	—	None
			December	—	—	—	—	None	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
DuB--Dunbridge fine sandy loam, 2 to 6 percent slopes										
Dunbridge	B	Medium	January	—	—	—	—	None	—	None
			February	—	—	—	—	None	—	None
			March	—	—	—	—	None	—	None
			April	—	—	—	—	None	—	None
			May	—	—	—	—	None	—	None
			June	—	—	—	—	None	—	None
			July	—	—	—	—	None	—	None
			August	—	—	—	—	None	—	None
			September	—	—	—	—	None	—	None
			October	—	—	—	—	None	—	None
			November	—	—	—	—	None	—	None
			December	—	—	—	—	None	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
Gn—Genesee silt loam, frequently flooded										
Genesee	B	Low	January	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			February	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			March	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			April	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			May	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			June	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			October	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			November	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			December	—	—	—	—	None	Brief (2 to 7 days)	Frequent

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
Go—Genesee variant loam, frequently flooded										
Genesee variant	C	Medium	January	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			February	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			March	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			April	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			May	—	—	—	—	None	Brief (2 to 7 days)	Frequent

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
Gr--Glendora loamy fine sand, frequently flooded										
Glendora	A/D	Negligible	January	0.0-1.0	>6.0	—	—	None	Long (7 to 30 days)	Frequent
			February	0.0-1.0	>6.0	—	—	None	Long (7 to 30 days)	Frequent
			March	0.0-1.0	>6.0	—	—	None	Long (7 to 30 days)	Frequent
			April	0.0-1.0	>6.0	—	—	None	Long (7 to 30 days)	Frequent
			May	0.0-1.0	>6.0	—	—	None	Long (7 to 30 days)	Frequent
			June	0.0-1.0	>6.0	—	—	None	Long (7 to 30 days)	Frequent
			July	—	—	—	—	None	Long (7 to 30 days)	Frequent
			August	—	—	—	—	None	Long (7 to 30 days)	Frequent
			September	—	—	—	—	None	Long (7 to 30 days)	Frequent
			October	—	—	—	—	None	Long (7 to 30 days)	Frequent
			November	0.0-1.0	>6.0	—	—	None	Long (7 to 30 days)	Frequent
			December	0.0-1.0	>6.0	—	—	None	Long (7 to 30 days)	Frequent

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
HaA—Haskins loam, 0 to 3 percent slopes										
Haskins	C/D	Medium	January	1.0-2.5	2.1-3.3	—	—	None	—	None
			February	1.0-2.5	2.1-3.3	—	—	None	—	None
			March	1.0-2.5	2.1-3.3	—	—	None	—	None
			April	1.0-2.5	2.1-3.3	—	—	None	—	None
			May	—	—	—	—	None	—	None
			June	—	—	—	—	None	—	None
			July	—	—	—	—	None	—	None
			August	—	—	—	—	None	—	None
			September	—	—	—	—	None	—	None
			October	—	—	—	—	None	—	None
			November	—	—	—	—	None	—	None
			December	—	—	—	—	None	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
HcA--Hoytville silty clay loam, 0 to 1 percent slopes										
Hoytville	C/D	Negligible	January	0.0-1.0	3.3-5.4	0.0-1.0	Brief (2 to 7 days)	Frequent	—	None
			February	0.0-1.0	3.3-5.4	0.0-1.0	Brief (2 to 7 days)	Frequent	—	None
			March	0.0-1.0	3.3-5.4	0.0-1.0	Brief (2 to 7 days)	Frequent	—	None
			April	0.0-1.0	3.3-5.4	0.0-1.0	Brief (2 to 7 days)	Frequent	—	None
			May	—	—	—	—	—	—	None
			June	—	—	—	—	—	—	None
			July	—	—	—	—	—	—	None
			August	—	—	—	—	—	—	None
			September	—	—	—	—	—	—	None
			October	—	—	—	—	—	—	None
			November	—	—	—	—	—	—	None
			December	—	—	—	—	—	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
KfA—Kibbie fine sandy loam, 0 to 2 percent slopes										
Kibbie	B/D	Low	January	1.0-2.0	>6.0	—	—	None	—	None
			February	1.0-2.0	>6.0	—	—	None	—	None
			March	1.0-2.0	>6.0	—	—	None	—	None
			April	1.0-2.0	>6.0	—	—	None	—	None
			May	1.0-2.0	>6.0	—	—	None	—	None
			June	—	—	—	—	None	—	None
			July	—	—	—	—	None	—	None
			August	—	—	—	—	None	—	None
			September	—	—	—	—	None	—	None
			October	—	—	—	—	None	—	None
			November	1.0-2.0	>6.0	—	—	None	—	None
			December	1.0-2.0	>6.0	—	—	None	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
Lc--Latty silty clay										
Latty	C/D	High	January	0.0-1.0	2.8-4.0	0.0-0.5	Long (7 to 30 days)	Frequent	—	None
			February	0.0-1.0	2.8-4.0	0.0-0.5	Long (7 to 30 days)	Frequent	—	None
			March	0.0-1.0	2.8-4.0	0.0-0.5	Long (7 to 30 days)	Frequent	—	None
			April	0.0-1.0	2.8-4.0	0.0-0.5	Long (7 to 30 days)	Frequent	—	None
			May	—	—	—	—	—	—	None
			June	—	—	—	—	—	—	None
			July	—	—	—	—	—	—	None
			August	—	—	—	—	—	—	None
			September	—	—	—	—	—	—	None
			October	—	—	—	—	—	—	None
			November	—	—	—	—	—	—	None
			December	—	—	—	—	—	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
Lf--Lenawee silty clay loam										
Lenawee	C/D	Medium	January	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			February	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			March	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			April	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			May	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			June	—	—	—	—	—	—	None
			July	—	—	—	—	—	—	None
			August	—	—	—	—	—	—	None
			September	—	—	—	—	—	—	None
			October	—	—	—	—	—	—	None
			November	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			December	0.0-1.0	>6.0	0.0-1.0	Long (7 to 30 days)	Frequent	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
Mh—Millsdale silty clay loam										
Millsdale	C/D	Medium	January	0.0-1.0	1.7-3.3	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			February	0.0-1.0	1.7-3.3	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			March	0.0-1.0	1.7-3.3	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			April	0.0-1.0	1.7-3.3	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			May	—	—	—	—	—	—	None
			June	—	—	—	—	—	—	None
			July	—	—	—	—	—	—	None
			August	—	—	—	—	—	—	None
			September	—	—	—	—	—	—	None
			October	—	—	—	—	—	—	None
			November	—	—	—	—	—	—	None
			December	—	—	—	—	—	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
MtB—Milton silt loam, 2 to 6 percent slopes										
Milton	C	High	January	—	—	—	—	None	—	None
			February	—	—	—	—	None	—	None
			March	—	—	—	—	None	—	None
			April	—	—	—	—	None	—	None
			May	—	—	—	—	None	—	None
			June	—	—	—	—	None	—	None
			July	—	—	—	—	None	—	None
			August	—	—	—	—	None	—	None
			September	—	—	—	—	None	—	None
			October	—	—	—	—	None	—	None
			November	—	—	—	—	None	—	None
			December	—	—	—	—	None	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
NpA--Nappanee silty clay loam, 0 to 3 percent slopes										
Nappanee	C/D	High	January	1.0-2.0	2.2-3.3	—	—	None	—	None
			February	1.0-2.0	2.2-3.3	—	—	None	—	None
			March	1.0-2.0	2.2-3.3	—	—	None	—	None
			April	1.0-2.0	2.2-3.3	—	—	None	—	None
			May	1.0-2.0	2.2-3.3	—	—	None	—	None
			June	—	—	—	—	None	—	None
			July	—	—	—	—	None	—	None
			August	—	—	—	—	None	—	None
			September	—	—	—	—	None	—	None
			October	—	—	—	—	None	—	None
			November	1.0-2.0	2.2-3.3	—	—	None	—	None
			December	1.0-2.0	2.2-3.3	—	—	None	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
OaB—Oakville fine sand, 2 to 8 percent slopes										
Oakville	A	Negligible	January	—	—	—	—	None	—	None
			February	—	—	—	—	None	—	None
			March	—	—	—	—	None	—	None
			April	—	—	—	—	None	—	None
			May	—	—	—	—	None	—	None
			June	—	—	—	—	None	—	None
			July	—	—	—	—	None	—	None
			August	—	—	—	—	None	—	None
			September	—	—	—	—	None	—	None
			October	—	—	—	—	None	—	None
			November	—	—	—	—	None	—	None
			December	—	—	—	—	None	—	None
Pt—Pits, quarry										
Pits	—	—	Jan-Dec	—	—	—	—	—	—	—

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
RaB--Rawson loam, 2 to 6 percent slopes										
Rawson	C	Medium	January	2.5-4.0	2.5-5.0	—	—	None	—	None
			February	2.5-4.0	2.5-5.0	—	—	None	—	None
			March	2.5-4.0	2.5-5.0	—	—	None	—	None
			April	2.5-4.0	2.5-5.0	—	—	None	—	None
			May	—	—	—	—	None	—	None
			June	—	—	—	—	None	—	None
			July	—	—	—	—	None	—	None
			August	—	—	—	—	None	—	None
			September	—	—	—	—	None	—	None
			October	—	—	—	—	None	—	None
			November	—	—	—	—	None	—	None
			December	—	—	—	—	None	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
RmA—Rimer loamy fine sand, stratified substratum, 0 to 2 percent slopes										
Rimer	C/D	Medium	January	1.0-2.5	2.5-3.5	—	—	None	—	None
			February	1.0-2.5	2.5-3.5	—	—	None	—	None
			March	1.0-2.5	2.5-3.5	—	—	None	—	None
			April	1.0-2.5	2.5-3.5	—	—	None	—	None
			May	—	—	—	—	None	—	None
			June	—	—	—	—	None	—	None
			July	—	—	—	—	None	—	None
			August	—	—	—	—	None	—	None
			September	—	—	—	—	None	—	None
			October	—	—	—	—	None	—	None
			November	—	—	—	—	None	—	None
			December	—	—	—	—	None	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
SbC2—St. Clair silty clay loam, 4 to 12 percent slopes, eroded										
St. clair	D	Very high	January	—	—	—	—	None	—	None
			February	—	—	—	—	None	—	None
			March	2.0-3.0	2.0-3.3	—	—	None	—	None
			April	2.0-3.0	2.0-3.3	—	—	None	—	None
			May	2.0-3.0	2.0-3.3	—	—	None	—	None
			June	—	—	—	—	None	—	None
			July	—	—	—	—	None	—	None
			August	—	—	—	—	None	—	None
			September	—	—	—	—	None	—	None
			October	—	—	—	—	None	—	None
			November	—	—	—	—	None	—	None
			December	—	—	—	—	None	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
Sh—Shoals silt loam, frequently flooded										
Shoals	C	Low	January	1.0-3.0	>6.0	—	—	None	Brief (2 to 7 days)	Frequent
			February	1.0-3.0	>6.0	—	—	None	Brief (2 to 7 days)	Frequent
			March	1.0-3.0	>6.0	—	—	None	Brief (2 to 7 days)	Frequent
			April	1.0-3.0	>6.0	—	—	None	Brief (2 to 7 days)	Frequent
			May	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			June	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			October	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			November	—	—	—	—	None	Brief (2 to 7 days)	Frequent
			December	—	—	—	—	None	Brief (2 to 7 days)	Frequent

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
To—Toledo silty clay										
Toledo	C/D	High	January	0.0-1.0	3.0-4.2	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			February	0.0-1.0	3.0-4.2	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			March	0.0-1.0	3.0-4.2	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			April	0.0-1.0	3.0-4.2	0.0-1.0	Long (7 to 30 days)	Frequent	—	None
			May	—	—	—	—	—	—	None
			June	—	—	—	—	—	—	None
			July	—	—	—	—	—	—	None
			August	—	—	—	—	—	—	None
			September	—	—	—	—	—	—	None
			October	—	—	—	—	—	—	None
			November	—	—	—	—	—	—	None
			December	—	—	—	—	—	—	None

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
Tp--Toledo silty clay, ponded										
Toledo	C/D	High	January	0.0-1.0	3.0-4.2	0.0-3.0	Long (7 to 30 days)	Frequent	—	None
			February	0.0-1.0	3.0-4.2	0.0-3.0	Long (7 to 30 days)	Frequent	—	None
			March	0.0-1.0	3.0-4.2	0.0-3.0	Long (7 to 30 days)	Frequent	—	None
			April	0.0-1.0	3.0-4.2	0.0-3.0	Long (7 to 30 days)	Frequent	—	None
			May	0.0-1.0	3.0-4.2	0.0-3.0	Long (7 to 30 days)	Frequent	—	None
			June	—	—	—	—	—	—	None
			July	—	—	—	—	—	—	None
			August	—	—	—	—	—	—	None
			September	0.0-1.0	3.0-4.2	0.0-3.0	Long (7 to 30 days)	Frequent	—	None
			October	0.0-1.0	3.0-4.2	0.0-3.0	Long (7 to 30 days)	Frequent	—	None
			November	0.0-1.0	3.0-4.2	0.0-3.0	Long (7 to 30 days)	Frequent	—	None
			December	0.0-1.0	3.0-4.2	0.0-3.0	Long (7 to 30 days)	Frequent	—	None
Ud--Udorthents, gently sloping										
Udorthents	—	—	Jan-Dec	—	—	—	—	—	—	—

Water Features--Ottawa County, Ohio										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>				
W--Water										
Water	—	—	January	—	—	—	—	None	—	None
			February	—	—	—	—	None	—	None
			March	—	—	—	—	None	—	None
			April	—	—	—	—	None	—	None
			May	—	—	—	—	None	—	None
			June	—	—	—	—	None	—	None
			July	—	—	—	—	None	—	None
			August	—	—	—	—	None	—	None
			September	—	—	—	—	None	—	None
			October	—	—	—	—	None	—	None
			November	—	—	—	—	None	—	None
			December	—	—	—	—	None	—	None
Wa--Wabasha silty clay, frequently flooded										
Wabasha	C/D	High	January	0.0-1.0	>6.0	—	—	None	Long (7 to 30 days)	Frequent
			February	0.0-1.0	>6.0	—	—	None	Long (7 to 30 days)	Frequent
			March	0.0-1.0	>6.0	—	—	None	Long (7 to 30 days)	Frequent
			April	0.0-1.0	>6.0	—	—	None	Long (7 to 30 days)	Frequent
			May	0.0-1.0	>6.0	—	—	None	Long (7 to 30 days)	Frequent
			June	0.0-1.0	>6.0	—	—	None	—	—
			December	0.0-1.0	>6.0	—	—	None	—	—

Data Source Information

Soil Survey Area: Ottawa County, Ohio
Survey Area Data: Version 12, Sep 19, 2014