

WATER FEATURES  
Williams County, North Dakota

The Water Features table gives estimates of various 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.

The months in the table indicate the portion of the year in which the feature 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 Water Features 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, the temporary inundation of an area, is 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.

WATER FEATURES--Continued  
Williams County, North Dakota

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
53: Arnegard-----	B		---	---	---	---	---	---	---
92: Badland-----	D		---	---	---	---	---	---	---
100: Banks-----	A	March	3.5-5.0	>6.0	---	---	---	Brief	Occasional
		April	3.5-5.0	>6.0	---	---	---	Brief	Occasional
		May	3.5-5.0	>6.0	---	---	---	Brief	Occasional
		June	3.5-5.0	>6.0	---	---	---	Brief	Occasional
281: Bowdle-----	B		---	---	---	---	---	---	---
340: Cabba-----	D		---	---	---	---	---	---	---
Badland, outcrop-----	D		---	---	---	---	---	---	---
669: Farland-----	B		---	---	---	---	---	---	---
674: Farnuf-----	B		---	---	---	---	---	---	---
676: Farnuf-----	B		---	---	---	---	---	---	---
Sakakawea-----	B		---	---	---	---	---	---	---
882: Hamerly-----	C	January	3.5-5.0	>6.0	---	---	---	---	None
		February	3.5-5.0	>6.0	---	---	---	---	None
		March	3.5-5.0	>6.0	---	---	---	---	None
		April	1.5-3.5	>6.0	---	---	---	---	None
		May	1.5-3.5	>6.0	---	---	---	---	None
		June	1.5-3.5	>6.0	---	---	---	---	None
		July	3.5-5.0	>6.0	---	---	---	---	None
		August	3.5-5.0	>6.0	---	---	---	---	None
		September	3.5-5.0	>6.0	---	---	---	---	None
		October	3.5-5.0	>6.0	---	---	---	---	None
		November	3.5-5.0	>6.0	---	---	---	---	None
		December	3.5-5.0	>6.0	---	---	---	---	None
Tonka-----	C/D	January	1.5-3.5	>6.0	---	---	---	---	None
		February	1.5-3.5	>6.0	---	---	---	---	None
		March	0.0	1.0-1.5	0.0-1.0	Long	Frequent	---	None
		April	1.5-2.0	>6.0	---	---	---	---	None
		April	0.0	1.0-1.5	0.0-1.0	Long	Frequent	---	None
		May	1.5-2.0	>6.0	---	---	---	---	None
		May	0.0-1.5	>6.0	0.0-1.0	Long	Frequent	---	None
		June	0.0-1.5	>6.0	0.0-1.0	Long	Frequent	---	None
		July	1.5-3.5	>6.0	---	---	---	---	None
		August	3.5-5.0	>6.0	---	---	---	---	None
		September	1.5-3.5	>6.0	---	---	---	---	None
		October	1.5-3.5	>6.0	---	---	---	---	None
		November	1.5-3.5	>6.0	---	---	---	---	None
		December	1.5-3.5	>6.0	---	---	---	---	None
910: Havrelon-----	B	March	3.5-5.0	>6.0	---	---	---	Brief	Occasional
		April	3.5-5.0	>6.0	---	---	---	Brief	Occasional
		May	3.5-5.0	>6.0	---	---	---	Brief	Occasional
		June	3.5-5.0	>6.0	---	---	---	Brief	Occasional
1021:									

WATER FEATURES--Continued  
Williams County, North Dakota

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Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
Korchea-----	B	March	---	---	---	---	---	Brief	Occasional
		April	---	---	---	---	---	Brief	Occasional
		May	---	---	---	---	---	Brief	Occasional
		June	---	---	---	---	---	Brief	Occasional
1128: Lehr-----	B		---	---	---	---	---	---	---
1143: Lihen-----	A		---	---	---	---	---	---	---
1178: Lohler-----	C	March	3.0-5.0	>6.0	---	---	---	Brief	Occasional
		April	3.0-5.0	>6.0	---	---	---	Brief	Occasional
		May	3.0-5.0	>6.0	---	---	---	Brief	Occasional
		June	3.0-5.0	>6.0	---	---	---	Brief	Occasional
		July	3.0-5.0	>6.0	---	---	---	---	None
		August	3.0-5.0	>6.0	---	---	---	---	None
		September	3.0-5.0	>6.0	---	---	---	---	None
		October	3.0-5.0	>6.0	---	---	---	---	None
1249: Appam-----	B		---	---	---	---	---	---	---
1427: Parnell-----	D	January	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
		February	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
		March	0.0	>6.0	0.0-1.0	Long	Frequent	---	None
		April	0.0	>6.0	0.0-2.0	Very long	Frequent	---	None
		May	0.0	>6.0	0.0-2.0	Very long	Frequent	---	None
		June	0.0	>6.0	0.0-2.0	Very long	Frequent	---	None
		July	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
		August	0.0-1.5	>6.0	0.0-1.0	Brief	Occasional	---	None
		September	0.0-1.5	>6.0	0.0-1.0	Brief	Occasional	---	None
		October	0.0-1.5	>6.0	0.0-1.0	Brief	Occasional	---	None
		November	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
		December	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
1466: Pits, Gravel And Sand----	A		---	---	---	---	---	---	---
1664: Shambo-----	B		---	---	---	---	---	---	---
1710: Southam-----	D	January	0.0	>6.0	0.0-5.0	Very long	Frequent	---	None
		February	0.0	>6.0	0.0-5.0	Very long	Frequent	---	None
		March	0.0	>6.0	0.0-5.0	Very long	Frequent	---	None
		April	0.0	>6.0	0.0-5.0	Very long	Frequent	---	None
		May	0.0	>6.0	0.0-5.0	Very long	Frequent	---	None
		June	0.0	>6.0	0.0-5.0	Very long	Frequent	---	None
		July	0.0	>6.0	0.0-5.0	Very long	Frequent	---	None
		August	0.0-1.0	>6.0	0.0-5.0	Long	Frequent	---	None
		September	0.0-1.0	>6.0	0.0-5.0	Long	Frequent	---	None
		October	0.0-1.0	>6.0	0.0-5.0	Long	Frequent	---	None
		November	0.0	>6.0	0.0-5.0	Very long	Frequent	---	None
		December	0.0	>6.0	0.0-5.0	Very long	Frequent	---	None
1798: Tally-----	B		---	---	---	---	---	---	---
1835:			---	---	---	---	---	---	---

WATER FEATURES--Continued  
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Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
Tonka-----	C/D	January	1.5-3.5	>6.0	---	---	None	---	None
		February	1.5-3.5	>6.0	---	---	None	---	None
		March	0.0	1.0-1.5	0.0-1.0	Long	Frequent	---	None
		April	1.5-2.0	>6.0	---	---	---	---	---
		May	0.0	1.0-1.5	0.0-1.0	Long	Frequent	---	None
		June	1.5-2.0	>6.0	---	---	---	---	---
		July	0.0-1.5	>6.0	0.0-1.0	Long	Frequent	---	None
		August	0.0-1.5	>6.0	0.0-1.0	Long	Frequent	---	None
		September	1.5-3.5	>6.0	---	---	None	---	None
		October	3.5-5.0	>6.0	---	---	None	---	None
		November	1.5-3.5	>6.0	---	---	None	---	None
		December	1.5-3.5	>6.0	---	---	None	---	None
1854: Trembles-----	B	March	3.5-5.0	>6.0	---	---	---	Brief	Occasional
April		3.5-5.0	>6.0	---	---	---	Brief	Occasional	
May		3.5-5.0	>6.0	---	---	---	Brief	Occasional	
June		3.5-5.0	>6.0	---	---	---	Brief	Occasional	
1871: Vallers, Saline-----	D	January	1.5-3.5	>6.0	---	---	---	---	None
February		1.5-3.5	>6.0	---	---	---	---	---	None
March		0.0-1.5	>6.0	---	---	---	---	---	None
April		0.0-1.5	>6.0	---	---	---	---	---	None
May		0.0-1.5	>6.0	---	---	---	---	---	None
June		0.0-1.5	>6.0	---	---	---	---	---	None
July		1.5-3.5	>6.0	---	---	---	---	---	None
August		1.5-3.5	>6.0	---	---	---	---	---	None
September		1.5-3.5	>6.0	---	---	---	---	---	None
October		1.5-3.5	>6.0	---	---	---	---	---	None
November		1.5-3.5	>6.0	---	---	---	---	---	None
December		1.5-3.5	>6.0	---	---	---	---	---	None
1978: Water-----	---	January	0.0	0.0	0.0-6.0	Very long	Frequent	---	None
February	0.0	0.0	0.0-6.0	Very long	Frequent	---	---	None	
March	0.0	0.0	0.0-6.0	Very long	Frequent	---	---	None	
April	0.0	0.0	0.0-6.0	Very long	Frequent	---	---	None	
May	0.0	0.0	0.0-6.0	Very long	Frequent	---	---	None	
June	0.0	0.0	0.0-6.0	Very long	Frequent	---	---	None	
July	0.0	0.0	0.0-6.0	Very long	Frequent	---	---	None	
August	0.0	0.0	0.0-6.0	Very long	Frequent	---	---	None	
September	0.0	0.0	0.0-6.0	Very long	Frequent	---	---	None	
October	0.0	0.0	0.0-6.0	Very long	Frequent	---	---	None	
November	0.0	0.0	0.0-6.0	Very long	Frequent	---	---	None	
December	0.0	0.0	0.0-6.0	Very long	Frequent	---	---	None	
2014: Williams-----	B	---	---	---	---	---	---	---	---
Bowbells-----	B	April	3.5-5.0	>6.0	---	---	---	---	None
May		3.5-5.0	>6.0	---	---	---	---	None	
June		3.5-5.0	>6.0	---	---	---	---	None	
2015: Williams-----	B	---	---	---	---	---	---	---	---
Bowbells-----	B	April	3.5-5.0	>6.0	---	---	---	---	None
May		3.5-5.0	>6.0	---	---	---	---	None	
June		3.5-5.0	>6.0	---	---	---	---	None	
2031: Williams-----	B	---	---	---	---	---	---	---	---
Zahl-----	B	---	---	---	---	---	---	---	---
2032:									

WATER FEATURES--Continued  
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Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
Williams-----	B		---	---	---	---	---	---	---
Zahl-----	B		---	---	---	---	---	---	---
2081: Zahl-----	B		---	---	---	---	---	---	---
Williams-----	B		---	---	---	---	---	---	---
2130: Williams-----	B		---	---	---	---	---	---	---
Zahl-----	B		---	---	---	---	---	---	---
Parnell-----	D		---	---	---	---	---	---	---
		January	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
		February	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
		March	0.0	>6.0	0.0-1.0	Long	Frequent	---	None
		April	0.0	>6.0	0.0-2.0	Very long	Frequent	---	None
		May	0.0	>6.0	0.0-2.0	Very long	Frequent	---	None
		June	0.0	>6.0	0.0-2.0	Very long	Frequent	---	None
		July	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
		August	0.0-1.5	>6.0	0.0-1.0	Brief	Occasional	---	None
		September	0.0-1.5	>6.0	0.0-1.0	Brief	Occasional	---	None
		October	0.0-1.5	>6.0	0.0-1.0	Brief	Occasional	---	None
		November	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
		December	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
2131: Zahl-----	B		---	---	---	---	---	---	---
Williams-----	B		---	---	---	---	---	---	---
Parnell-----	D		---	---	---	---	---	---	---
		January	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
		February	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
		March	0.0	>6.0	0.0-1.0	Long	Frequent	---	None
		April	0.0	>6.0	0.0-2.0	Very long	Frequent	---	None
		May	0.0	>6.0	0.0-2.0	Very long	Frequent	---	None
		June	0.0	>6.0	0.0-2.0	Very long	Frequent	---	None
		July	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
		August	0.0-1.5	>6.0	0.0-1.0	Brief	Occasional	---	None
		September	0.0-1.5	>6.0	0.0-1.0	Brief	Occasional	---	None
		October	0.0-1.5	>6.0	0.0-1.0	Brief	Occasional	---	None
		November	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
		December	0.0-1.0	>6.0	0.0-1.0	Long	Occasional	---	None
2170: Divide-----	B		---	---	---	---	---	---	---
		January	3.5-5.0	>6.0	---	---	---	---	None
		February	3.5-5.0	>6.0	---	---	---	---	None
		March	3.5-5.0	>6.0	---	---	---	---	None
		April	1.5-3.5	>6.0	---	---	---	---	None
		May	1.5-3.5	>6.0	---	---	---	---	None
		June	1.5-3.5	>6.0	---	---	---	---	None
		July	3.5-5.0	>6.0	---	---	---	---	None
		August	3.5-5.0	>6.0	---	---	---	---	None
		September	3.5-5.0	>6.0	---	---	---	---	None
		October	3.5-5.0	>6.0	---	---	---	---	None
		November	3.5-5.0	>6.0	---	---	---	---	None
		December	3.5-5.0	>6.0	---	---	---	---	None
2176: Zahl-----	B		---	---	---	---	---	---	---
Williams-----	B		---	---	---	---	---	---	---
2261: Schaller-----	A		---	---	---	---	---	---	---
2270:			---	---	---	---	---	---	---

WATER FEATURES--Continued  
Williams County, North Dakota

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Map symbol and soil name	Hydro- logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
Harriet-----	D	January	1.5-3.5	>6.0	---	---	---	---	None
		February	1.5-3.5	>6.0	---	---	---	---	None
		March	0.0-1.5	>6.0	---	---	---	Long	Occasional
		April	0.0-1.5	>6.0	---	---	---	Long	Occasional
		May	0.0-1.5	>6.0	---	---	---	Long	Occasional
		June	0.0-1.5	>6.0	---	---	---	Long	Occasional
		July	1.5-3.5	>6.0	---	---	---	---	None
		August	3.5-5.0	>6.0	---	---	---	---	None
		September	3.5-5.0	>6.0	---	---	---	---	None
		October	1.5-3.5	>6.0	---	---	---	---	None
		November	1.5-3.5	>6.0	---	---	---	---	None
		December	1.5-3.5	>6.0	---	---	---	---	None
Stirum-----	B/D	January	1.5-3.5	>6.0	---	---	---	---	None
		February	1.5-3.5	>6.0	---	---	---	---	None
		March	0.0-1.5	>6.0	---	---	---	Long	Occasional
		April	0.0-1.5	>6.0	---	---	---	Long	Occasional
		May	0.0-1.5	>6.0	---	---	---	Long	Occasional
		June	0.0-1.5	>6.0	---	---	---	Long	Occasional
		July	1.5-3.5	>6.0	---	---	---	---	None
		August	1.5-3.5	>6.0	---	---	---	---	None
		September	1.5-3.5	>6.0	---	---	---	---	None
		October	1.5-3.5	>6.0	---	---	---	---	None
		November	1.5-3.5	>6.0	---	---	---	---	None
		December	1.5-3.5	>6.0	---	---	---	---	None
2338: Amor-----	B		---	---	---	---	---	---	
Williams-----	B		---	---	---	---	---	---	
Zahl-----	B		---	---	---	---	---	---	
2339: Amor-----	B		---	---	---	---	---	---	
Zahl-----	B		---	---	---	---	---	---	
Cabba-----	D		---	---	---	---	---	---	
2340: Arnegard-----	B		---	---	---	---	---	---	
Shambo-----	B		---	---	---	---	---	---	
2341: Brandenburg-----	A		---	---	---	---	---	---	
2342: Cabba-----	D		---	---	---	---	---	---	
Amor-----	B		---	---	---	---	---	---	
Zahl-----	B		---	---	---	---	---	---	
2343: Cherry-----	B		---	---	---	---	---	---	
2344: Cherry-----	B		---	---	---	---	---	---	
2345: Daglum-----	D	April	4.0-6.0	>6.0	---	---	---	None	
		May	4.0-6.0	>6.0	---	---	---	None	
		June	4.0-6.0	>6.0	---	---	---	None	
Rhoades-----	D	April	4.0-6.0	>6.0	---	---	---	None	
		May	4.0-6.0	>6.0	---	---	---	None	
		June	4.0-6.0	>6.0	---	---	---	None	

WATER FEATURES--Continued  
Williams County, North Dakota

(Depths of layers are in feet. See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Map symbol and soil name	Hydro- logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
2346: Dooley-----	B		---	---	---	---	---	---	---
2347: Bearden-----	B	January	3.0-5.0	>6.0	---	---	---	---	None
		February	3.0-5.0	>6.0	---	---	---	---	None
		March	3.0-5.0	>6.0	---	---	---	---	None
		April	1.5-3.5	>6.0	---	---	---	---	None
		May	1.5-3.5	>6.0	---	---	---	---	None
		June	1.5-3.5	>6.0	---	---	---	---	None
		July	3.0-5.0	>6.0	---	---	---	---	None
		August	3.0-5.0	>6.0	---	---	---	---	None
		September	3.0-5.0	>6.0	---	---	---	---	None
		October	3.0-5.0	>6.0	---	---	---	---	None
		November	3.0-5.0	>6.0	---	---	---	---	None
		December	3.0-5.0	>6.0	---	---	---	---	None
2348: Channel-----	---	March	1.5-3.5	>6.0	---	---	---	Brief	Frequent
		April	1.5-3.5	>6.0	---	---	---	Brief	Frequent
		May	1.5-3.5	>6.0	---	---	---	Brief	Frequent
		June	1.5-3.5	>6.0	---	---	---	Brief	Frequent
Korchea-----	B	March	---	---	---	---	---	Brief	Occasional
		April	---	---	---	---	---	Brief	Occasional
		May	---	---	---	---	---	Brief	Occasional
		June	---	---	---	---	---	Brief	Occasional
Divide-----	B	January	3.5-5.0	>6.0	---	---	---	---	None
		February	3.5-5.0	>6.0	---	---	---	---	None
		March	3.5-5.0	>6.0	---	---	---	---	None
		April	1.5-3.5	>6.0	---	---	---	---	None
		May	1.5-3.5	>6.0	---	---	---	---	None
		June	1.5-3.5	>6.0	---	---	---	---	None
		July	3.5-5.0	>6.0	---	---	---	---	None
		August	3.5-5.0	>6.0	---	---	---	---	None
		September	3.5-5.0	>6.0	---	---	---	---	None
		October	3.5-5.0	>6.0	---	---	---	---	None
		November	3.5-5.0	>6.0	---	---	---	---	None
		December	3.5-5.0	>6.0	---	---	---	---	None
2349: Lawther-----	D		---	---	---	---	---	---	---
2350: Lehr-----	B		---	---	---	---	---	---	---
Williams-----	B		---	---	---	---	---	---	---
2351: Lehr-----	B		---	---	---	---	---	---	---
Williams-----	B		---	---	---	---	---	---	---
2352: Blanchard-----	A		---	---	---	---	---	---	---
Lihen-----	A		---	---	---	---	---	---	---
2353: Livona-----	B		---	---	---	---	---	---	---
2354: Livona-----	B		---	---	---	---	---	---	---
Zahl-----	B		---	---	---	---	---	---	---
2355: Mondamin-----	D		---	---	---	---	---	---	---

WATER FEATURES--Continued  
Williams County, North Dakota

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Map symbol and soil name	Hydro-logic group	Month	Soil Saturation		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
2356: Niobell-----	C	April	3.5-5.0	>6.0	---	---	---	---	None
		May	3.5-5.0	>6.0	---	---	---	---	None
		June	3.5-5.0	>6.0	---	---	---	---	None
Williams-----	B		---	---	---	---	---	---	---
2357: Savage-----	C		---	---	---	---	---	---	---
Grail-----	C		---	---	---	---	---	---	---
2358: Tally-----	B		---	---	---	---	---	---	---
2359: Vebar-----	B		---	---	---	---	---	---	---
Flasher-----	D		---	---	---	---	---	---	---
Zahl-----	B		---	---	---	---	---	---	---
2360: Vebar-----	B		---	---	---	---	---	---	---
Flasher-----	D		---	---	---	---	---	---	---
Tally-----	B		---	---	---	---	---	---	---
2361: Wabek-----	A		---	---	---	---	---	---	---
2362: Wabek-----	A		---	---	---	---	---	---	---
2363: Wildrose-----	D		---	---	---	---	---	---	---
2364: Mckeen-----	D	January	0.0-1.0	>6.0	---	---	---	---	None
		February	0.0-1.0	>6.0	---	---	---	---	None
		March	0.0-0.5	>6.0	---	---	---	Long	Frequent
		April	0.0-0.5	>6.0	---	---	---	Long	Frequent
		May	0.0-0.5	>6.0	---	---	---	Long	Frequent
		June	0.0-0.5	>6.0	---	---	---	Long	Frequent
		July	0.0-0.5	>6.0	---	---	---	---	None
		August	0.0-1.0	>6.0	---	---	---	---	None
		September	0.0-1.0	>6.0	---	---	---	---	None
		October	0.0-1.0	>6.0	---	---	---	---	None
		November	0.0-1.0	>6.0	---	---	---	---	None
		December	0.0-1.0	>6.0	---	---	---	---	None
2365: Lohler, Moderately Saline-	D	March	3.0-5.0	>6.0	---	---	---	Brief	Occasional
		April	3.0-5.0	>6.0	---	---	---	Brief	Occasional
		May	3.0-5.0	>6.0	---	---	---	Brief	Occasional
		June	3.0-5.0	>6.0	---	---	---	Brief	Occasional
		July	3.0-5.0	>6.0	---	---	---	---	None
		August	3.0-5.0	>6.0	---	---	---	---	None
		September	3.0-5.0	>6.0	---	---	---	---	None
2366:		October	3.0-5.0	>6.0	---	---	---	---	None

WATER FEATURES--Continued  
 Williams County, North Dakota

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Map symbol and soil name	Hydro- logic group	Month	Soil Saturation		Ponding			Flooding			
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency		
			Ft	Ft	Ft						
Scorio-----	D	March	3.0-5.0	>6.0	---	---	---	Brief	Occasional		
		April	3.0-5.0	>6.0	---	---	---	Brief	Occasional		
		May	3.0-5.0	>6.0	---	---	---	Brief	Occasional		
		June	3.0-5.0	>6.0	---	---	---	Brief	Occasional		
		July	3.0-5.0	>6.0	---	---	---	---	None		
		August	3.0-5.0	>6.0	---	---	---	---	None		
		September	3.0-5.0	>6.0	---	---	---	---	None		
		October	3.0-5.0	>6.0	---	---	---	---	None		
		2367: Scorio, Saline-----	D	March	3.0-5.0	>6.0	---	---	---	Brief	Occasional
				April	3.0-5.0	>6.0	---	---	---	Brief	Occasional
May	3.0-5.0			>6.0	---	---	---	Brief	Occasional		
June	3.0-5.0			>6.0	---	---	---	Brief	Occasional		
July	3.0-5.0			>6.0	---	---	---	---	None		
August	3.0-5.0			>6.0	---	---	---	---	None		
September	3.0-5.0			>6.0	---	---	---	---	None		
October	3.0-5.0			>6.0	---	---	---	---	None		

