


2014

Sampled well and aquifer symbols

Surficial sand aquifer
▼ surficial sand aquifer

Buried sand and gravel aquifers






	sl
	sc
	se
	sx
	sr
	sp

Bedrock well construction

- ◆ St. Peter–Prairie du Chien–Mt. Simon
- Jordan, Jordan–St. Lawrence
- ◆ St. Lawrence–Upper Tunnel City
- Upper Tunnel City
- Upper Tunnel City–Wonewoc
- ▲ Upper Tunnel City–Mt. Simon,
Upper Tunnel City–Eau Claire
- Wonewoc, Wonewoc–Eau Claire
- ▣ Eau Claire
- ◆ Mt. Simon, Eau Claire–Mt. Simon,
Wonewoc–Mt. Simon
- Mt. Simon–Fond du Lac
- Mesoproterozoic Sedimentary

Tritium age

Symbol color indicates tritium age of water sampled in well.

-  Cold War era—Water entered the ground during the peak period of atmospheric nuclear bomb testing, 1958 to 1972 (greater than 15 tritium units [TU]).
-  Recent—Water entered the ground since about 1953 (8 to 15 TU).
-  Mixed—Water is a mixture of recent and vintage waters (greater than 1 TU to less than 8 TU).
-  Vintage—Water entered the ground before 1953 (less than or equal to 1 TU).
-  Water was not sampled for tritium.

Map symbols and labels

21.1 If shown, chloride concentration equals or exceeds 5 parts per million; naturally occurring chloride concentration greater than 5 parts per million is shown with a superscript n.

7.2 If shown, nitrate-nitrogen concentration equals or exceeds 1 part per million.

3000 yrs If shown, groundwater residence time in years, estimated by carbon-14 (^{14}C) isotope analysis

+ Static (non-pumping) water level data from the County Well Index (CWI)

Groundwater discharge (spring or seep); color indicates tritium age; gray symbols indicate not sampled for tritium

★13002 DNR groundwater level monitoring well, label is well number

- Surface water sample

← Direction of groundwater flow at the water table in the surficial sand aquifer

← Direction of groundwater flow at the water table in non-aquifer areas

← Downstream direction of streamflow

 Designated trout stream

— Surface watershed boundary

 Extent of surficial sand aquifer







$E-E'$ Line of cross section

 Body of water

**Water use from water-table wells reported by
DNR groundwater appropriation permit holders
for 2011 (millions of gallons per year)**

- 0 to 15

Depth of selected lakes (feet)

	0 to 10
	> 10 to 20
	> 20 to 30
	> 30 to 40
	> 40
	No data

