



MAP EXPLANATION

Water sample and aquifer symbols

Symbol color indicates tritium age of water sample.
(see Figure 6 in the report for geologic unit correlation)

Buried sand	Bedrock
nts	Cretaceous, Ka, Kd
ms	Jordan
cg	Tunnel City, Tunnel City–Wonewoc, Tunnel City–Eau Claire, Tunnel City–Mt. Simon
cg1	Wonewoc, Wonewoc–Eau Claire
hs	Eau Claire–Mt. Simon, Mt. Simon
scs	Mt. Simon–Hinckley, Hinckley, Mt. Simon–red clastics, red clastics
mls	
prs	
pws	
psu	
zus	

Tritium age

Symbol color indicates tritium age of water sample.

Recent: water entered the ground since about 1953 (8 to 15 tritium units [TU]).
Mixed: water is a mixture of recent and vintage (greater than 1 TU to less than 8 TU).
Vintage: water entered the ground before 1953 (less than or equal to 1 TU).
Not sampled for tritium.

Symbols and labels

7.6	Chloride: if shown, concentration is ≥ 5 ppm. (* indicates naturally elevated values)
16	Arsenic: if shown, concentration is ≥ 2 ppb.
126	Manganese: if shown, concentration is ≥ 100 ppb.
9	Nitrate: if shown, concentration is ≥ 1 ppm.
6000	Carbon-14 (^{14}C): if shown, estimated groundwater residence time in years.
	• Surface-water sample
	○ Stable isotope evaporative signature
B—B'	Line of cross section (Part B)
	☉ Body of water

Groundwater conditions

- Water from the surface moves through a thin layer of overlying fine-grained material to an underlying aquifer.
- Groundwater moves from an overlying surficial aquifer to a buried aquifer.
- Groundwater moves from an overlying buried aquifer to an underlying buried aquifer.
- Groundwater flows laterally.
- Tritium concentrations may be artificially elevated by high capacity pumping.
- Groundwater flowpath is unknown.

This map was compiled and generated in a geographic information system. Digital data products are available on the DNR County Geologic Atlas Program page (mndnr.gov/groundwatermapping).

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Base modified from Minnesota Geological Survey, Wright County Geologic Atlas, Part A, 2013.

Universal Transverse Mercator projection, zone 15N, North American Datum of 1983. North American Vertical Datum of 1988.

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