

**Map Explanation**

**Water sample and aquifer symbols**  
Symbol color indicates tritium age of water sample. See Figure 2 in the report for geologic unit correlation.

- ◆ hsi1
- ◆ hsi2
- ◆ hsa
- ▲ brs1
- ✕ brs2
- scs
- ◆ scs\_c
- ◆ urs
- ◆ mls
- shs
- ⊕ ebs
- es

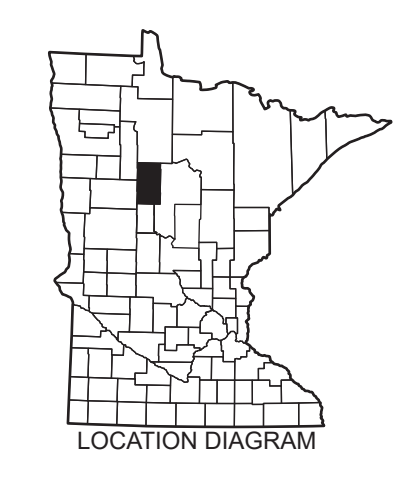
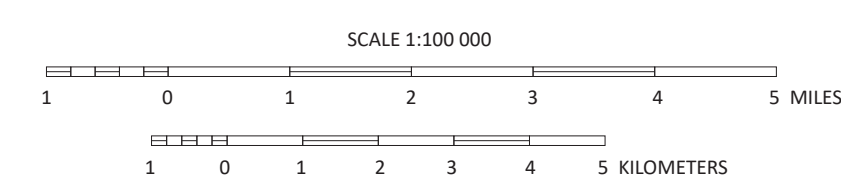
**Tritium age**

- Symbol color indicates tritium age of water sample.
- Modern: water entered the ground since about 1953.
  - Mixed: water is a mixture of modern and premodern.
  - Mostly premodern\*: tritium not detected and the premodern threshold is below the detection limit.
  - Premodern: water entered the ground before 1953.
  - Not sampled for tritium.

\*These samples are referred to as "premodern" in the report. Both "mostly premodern" and "premodern" are shown on plates and figures for consistency with the dataset.

**Symbols and labels**

- 17.6 Chloride: if shown, concentration is  $\geq 5$  ppm. (\*naturally elevated; source unknown; italicized labels indicate source was adjusted)
- 15.6 Arsenic: if shown, concentration is  $\geq 1$  ppb.
- 209 Manganese: if shown, concentration is  $\geq 100$  ppb.
- 1.97 Nitrate: if shown, concentration is  $>1$  ppm.
- 1100 Carbon-14 ( $^{14}\text{C}$ ): estimated groundwater residence time in years.
- E Groundwater sample with evaporative signature
- Surface-water sample
- A—A' Line of cross section (Part B)
- Body of water



This map was compiled and generated in a geographic information system. Digital data products are available from the DNR Groundwater Atlas Program.  
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Base modified from Minnesota Geological Survey, Geologic Atlas of Hubbard County, Part A, 2018.  
Universal Transverse Mercator projection, Zone 15N, North American Datum of 1983. North American Vertical Datum of 1988.

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