To accompany atlas Report ,Plate 8, and Plate 9.



Water sample and aquifer symbols

Symbol color indicates tritium age of water sample. See Figure 2 in the report for geologic unit correlation.

- ksi1
- hsi2
- hsa
- brs2
- SCS

brs1

- scs_c
- mls
- shs
- **e**bs
- ebs

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

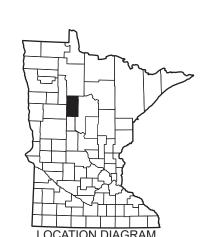
- 17.6 Chloride: if shown, concentration is ≥5 ppm.

 (*naturally elevated, *source unknown; italicized labels indicate source was adjusted)
- 15.6 Arsenic: if shown, concentration is ≥1 ppb.209 Manganese: if shown, concentration is ≥100 ppb.
- 1.97 Nitrate: if shown, concentration is >1 ppm.
- 1100 Carbon-14 (¹⁴C): 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

SCALE 1:100 000

1 2 3 4 5 KILOMETERS



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

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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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