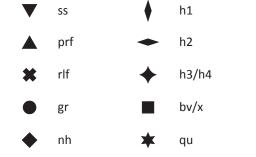
To accompany these atlas components Report, Plates 7 and 8

MAP EXPLANATION

Water sample and aquifer symbols

Symbol color indicates tritium age of water sample. See report figure 4.

Surficial and buried sand aquifer or aquifer group



♣ dg/br

Tritium age

Symbol color indicates tritium age of water sample.

Recent: water entered the ground since about 1953 (8 to 15 tritium units [TU]).

unknown

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.

Groundwater conditions

- Water from the surface moves through a thin layer of overlying fine-grained material to an underlying aquifer.
- ② Groundwater moves from an overlying surficial aquifer to a buried aquifer.
- ③ Groundwater moves from an overlying buried aquifer to an underlying buried aquifer.
- Groundwater flows laterally.
- Groundwater flowpath is unknown.

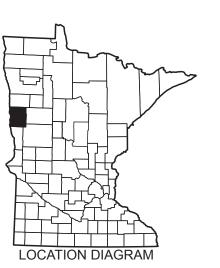
Symbols and labels

- 23.9 Chloride: if shown, concentration is ≥5 ppm. (* naturally elevated values, *source unknown)
- **26.7** Arsenic: if shown, concentration is ≥2 ppb.
- 180 Manganese: if shown, concentration is ≥100 ppb.
- 1.15 Nitrate: if shown, concentration is ≥1 ppm.
- 8000 Carbon-14 (14C): if shown, estimated groundwater
- residence time in years.

 288 Sulfate: if shown, concentration is ≥250 ppm.
- Surface-water sample
- Approximate east edge of Lake Agassiz clayBoundary of the Buffalo aquifer

B - B' 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 County Geologic Atlas Program at mndnr.gov/groundwatermapping.

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Base modified from Minnesota Geological Survey, Clay County Geologic Atlas, Part

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

DEPARTMENT OF NATURAL RESOURCES

500 Lafayette Road St. Paul, MN 55155-4025 888-646-6367 or 651-296-6157

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