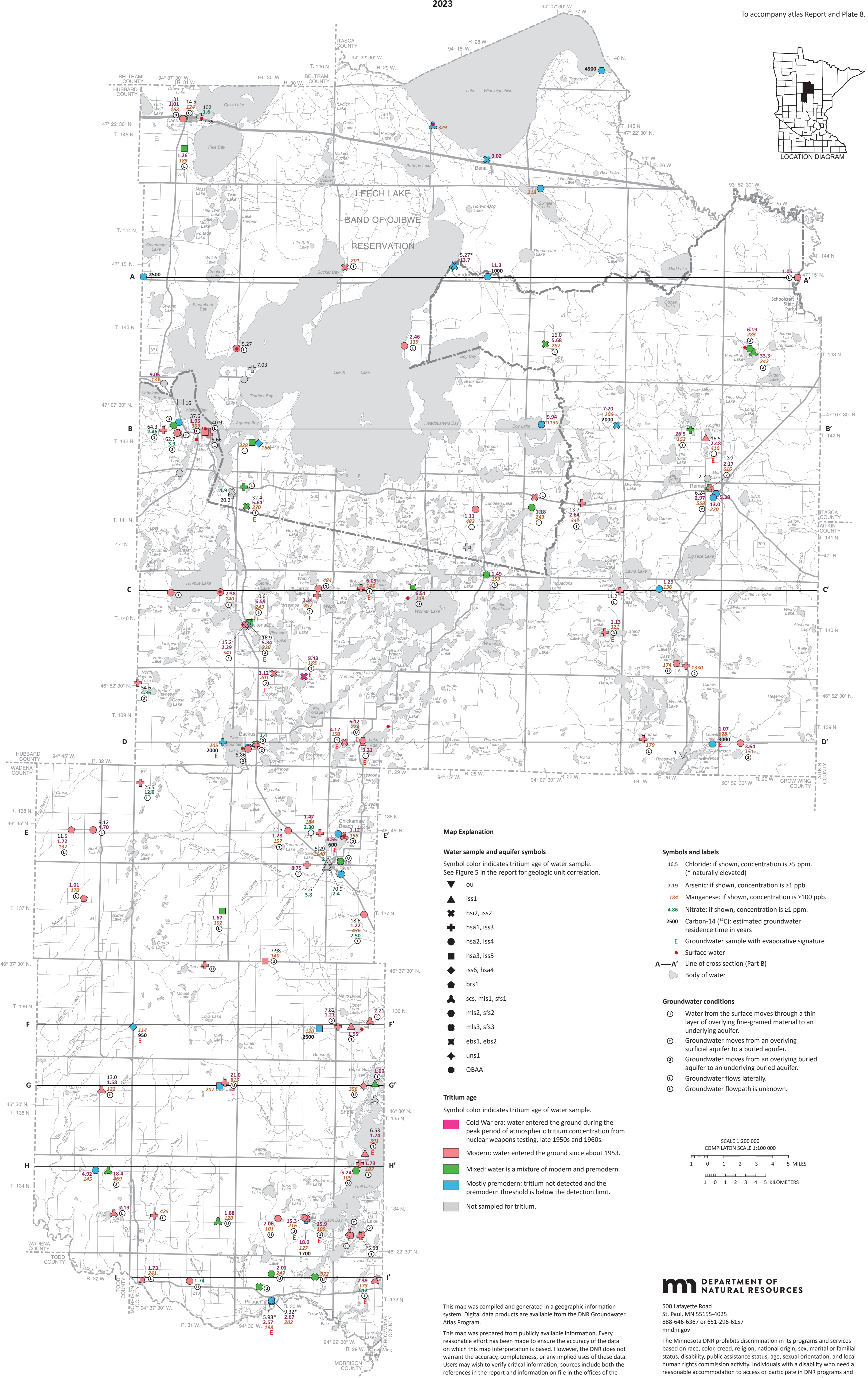


2023

To accompany atlas Report and Plate 8.



Map Explanation

Water sample and aquifer symbols

Symbol color indicates tritium age of water sample. See Figure 5 in the report for geologic unit correlation.

- ▼ ou
- ▲ iss1
- ✕ hsi2, iss2
- ✚ hsa1, iss3
- hsa2, iss4
- hsa3, iss5
- ◆ iss6, hsa4
- brs1
- scs, mls1, sfs1
- mls2, sfs2
- mls3, sfs3
- ✕ ebs1, ebs2
- ◆ uns1
- QBAA

Tritium age

Symbol color indicates tritium age of water sample.

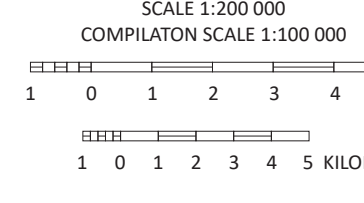
- Cold War era: water entered the ground during the peak period of atmospheric tritium concentration from nuclear weapons testing, late 1950s and 1960s.
- Modern: water entered the ground since about 1953.
- Mixed: water is a mixture of modern and premodern.
- Mostly premodern: tritium not detected and the premodern threshold is below the detection limit.
- Not sampled for tritium.

Symbols and labels

- 16.5 Chloride: if shown, concentration is ≥ 5 ppm. (* naturally elevated)
- 7.19 Arsenic: if shown, concentration is ≥ 1 ppb.
- 184 Manganese: if shown, concentration is ≥ 100 ppb.
- 4.86 Nitrate: if shown, concentration is ≥ 1 ppm.
- 2500 Carbon-14 (^{14}C): estimated groundwater residence time in years
- E Groundwater sample with evaporative signature
- Surface water
- A—A' Line of cross section (Part B)
- Body of water

Groundwater conditions

- ① 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.
- ④ Groundwater flows laterally.
- ⑤ Groundwater flowpath is unknown.



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