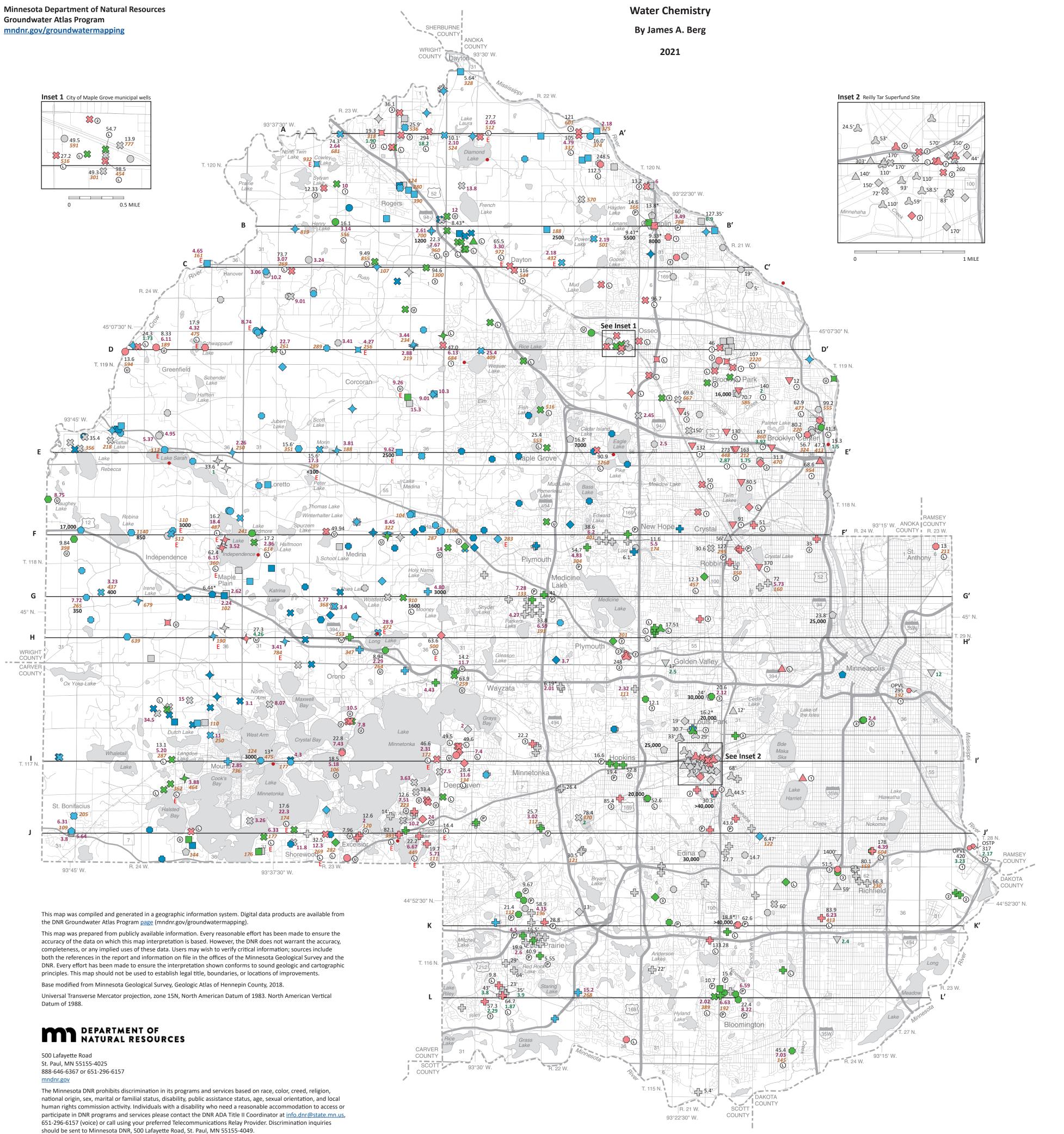
To accompany atlas Report and Plate 8 and Plate 9.



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.

Unconsolidated aquifers

afhl, at

ts, ts2, st

si, s1, s2, cs, s3

h2

f2, sf2

- WO

▲ ∨0

Bedrock

Platteville, Platteville–Glenwood, Platteville–St. Peter

St. Peter, St. Peter–Prairie du Chien, St. Peter–Jordan

♣ Prairie du Chien/Shakopee, Prairie du Chien, Prairie du Chien—Jordan

Jordan, Jordan–St. Lawrence, Jordan–Tunnel City

St. Lawrence, St. Lawrence–Tunnel City

Tunnel City/Mazomanie, Tunnel City, Tunnel City–Wonewoc, Tunnel City–Eau Claire, Tunnel City–Mt. Simon

Wonewoc, Wonewoc–Eau Claire, Wonewoc–Mt. Simon

Mt. Simon, Mt. Simon–Fond du Lac, Mt. Simon–Red Clastics

Spring (label indicates aquifer code)

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)

15.6 Arsenic: if shown, concentration is ≥2 ppb.

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

A—A' 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.

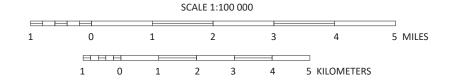
Groundwater moves from an overlying buried

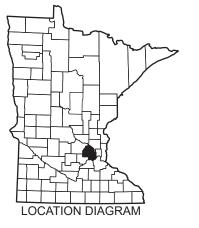
aquifer to an underlying buried aquifer.Groundwater flows laterally.

Tritium concentrations are likely artificially

elevated by high-volume pumping.

Groundwater flowpath is unknown.





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