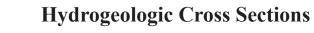
To accompany atlas Report and Plate 7.

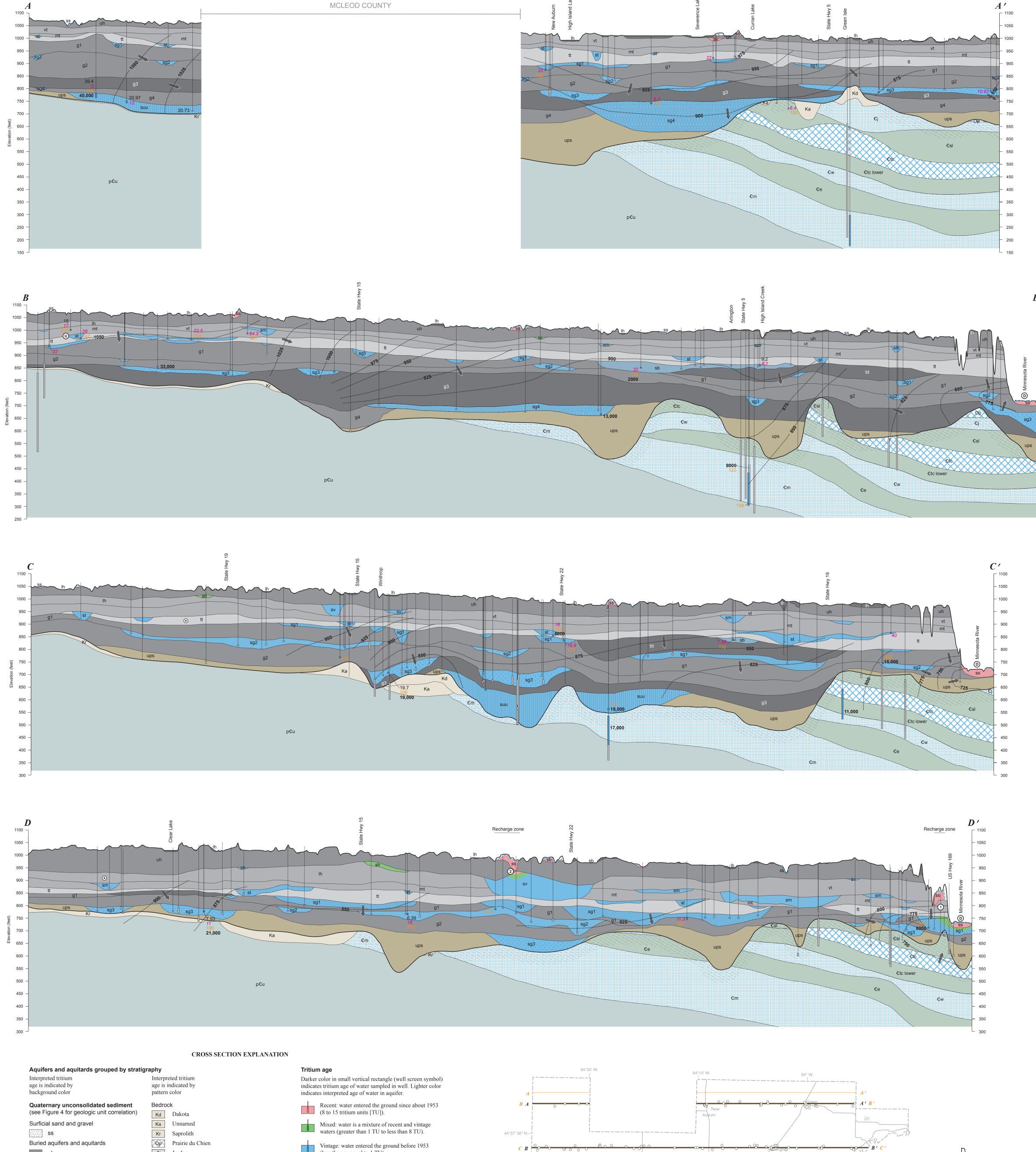


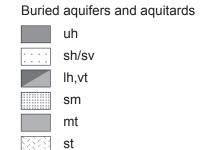
By Vanessa M. Baratta and Todd A. Petersen

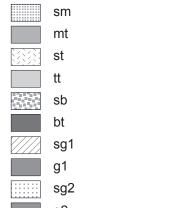


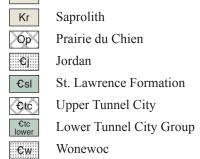


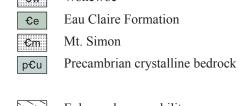
Reference report section: Hydrogeologic cross sections, pages 24–27.

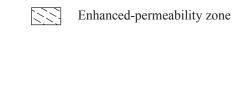










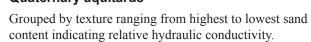


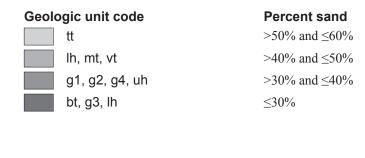
sediment (ups) Quaternary aquitards

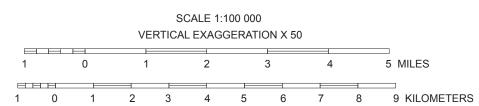
Undifferentiated

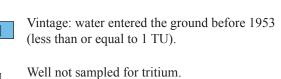
sg3

suu



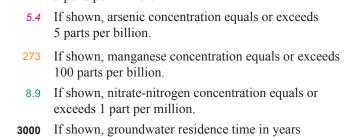






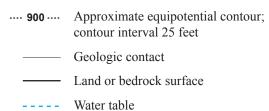
Symbols and labels

6.4 If shown, chloride concentration equals or exceeds 5 parts per million.



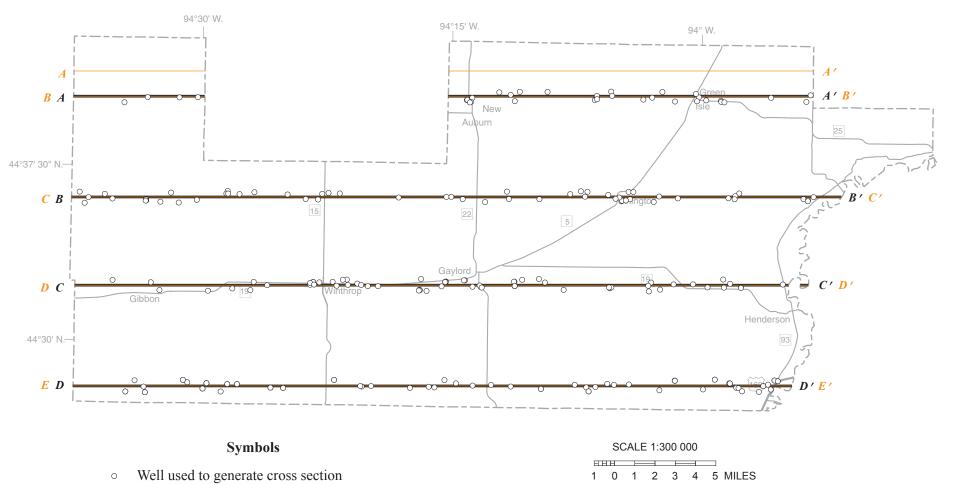
General groundwater flow direction

estimated by carbon-14 (14C) isotope analysis



- **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 **©** Groundwater discharges to a surface-water body.
- recent or mixed tritium age). • Groundwater movement is out of cross section.

① Groundwater flowpath is unknown (deep groundwater,



This map was compiled and generated in a geographic information system (GIS). Digital data products, including chemistry data, are available on the Minnesota Department of Natural Resources (DNR) Ecological and Water Resources Division page (mndnr.gov/

A—A' Part B line of cross section shown on this plate

locations of improvements.

A——A' Part A line of cross section

1 0 1 2 3 4 5 6 7 8 9 KILOMETERS

groundwatermapping). This map was prepared from publicly available information. Every reasonable effort has been made to ensure the accuracy of the factual data on which this map interpretation is based. However, the DNR does not warrant the accuracy, completeness, or any implied uses of these data. Users may wish to verify critical information; sources include both the references in the report and information on file in the offices of the Minnesota Geological Survey and the DNR. Every effort has been made to ensure the interpretation shown conforms to sound geologic and cartographic principles. This map should not be used to establish legal title, boundaries, or

Base modified from Minnesota Geological Survey, Sibley County Geologic Atlas, Part A, 2012. Universal Transverse Mercator projection, zone 15N, North American Datum of 1983. North American Vertical Datum of 1988.

GIS and cartography by Vanessa M. Baratta and Holly Johnson. Edited by Ruth MacDonald.

DEPARTMENT OF NATURAL RESOURCES

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