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## **Pollution Sensitivity of Near-Surface Materials**

By Roberta Adams

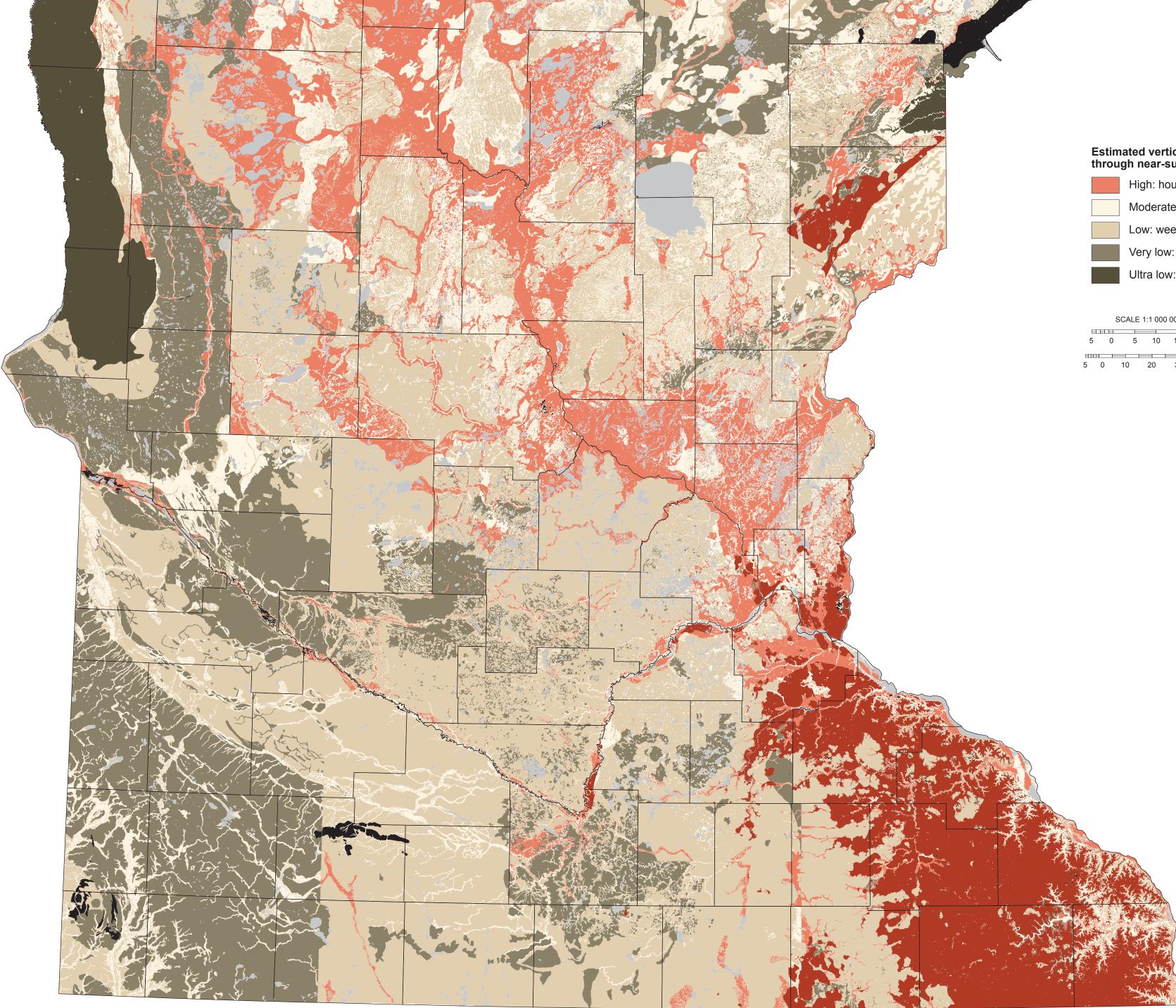
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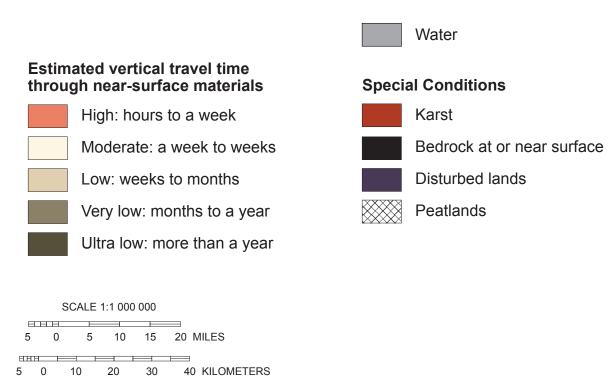
This map depicts the statewide pollution sensitivity of the near-surface materials for Minnesota. The sensitivity to pollution of near-surface materials is an estimate of the time it takes for water to infiltrate the land surface to a depth of 10 feet. It is intended to estimate the time of travel through the unsaturated zone to reach the water table, which is assumed to be 10 feet below land surface everywhere for the purposes of this method.

Sensitivity varies across Minnesota. Generally, areas of coarse-grained material are modeled as higher sensitivity to pollution compared to areas of fine-grained material. Exceptions exist where special conditions occur.

This atlas includes a corresponding report and GIS files:
Pollution Sensitivity of Near-Surface Materials
http://www.dnr.state.mn.us/waters/programs/gw\_section/
mapping/platesum/mha\_ps-ns.html
Related atlases are found in the County Geologic Atlas Series:
http://www.dnr.state.mn.us/waters/groundwater\_section/

mapping/status.html



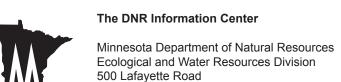


This map was compiled and generated in a geographic information system (GIS). Digital data products are available from the Department of Natural Resources (DNR), Ecological and Water Resources Division at http://www.mndnr.gov/waters.

This map was prepared from DNR and other publicly available information. Every reasonable effort has been made to ensure the accuracy of the factual data on which the report and map interpretations were 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 Minnesota Department of Natural Resources. Every effort has been made to ensure the interpretations conform to sound geologic and cartographic principles. These maps should not be used to establish legal title, boundaries, or locations of improvements.

Project data compiled at a scale of 1:500,000. Universal Transverse Mercator projection, zone 15N, North American Datum of 1983. North American Vertical Datum of 1988.

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This information is available in alternative format on request.

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## MINNESOTA HYDROGEOLOGY ATLAS