

Depth to Water Table

By Roberta Adams

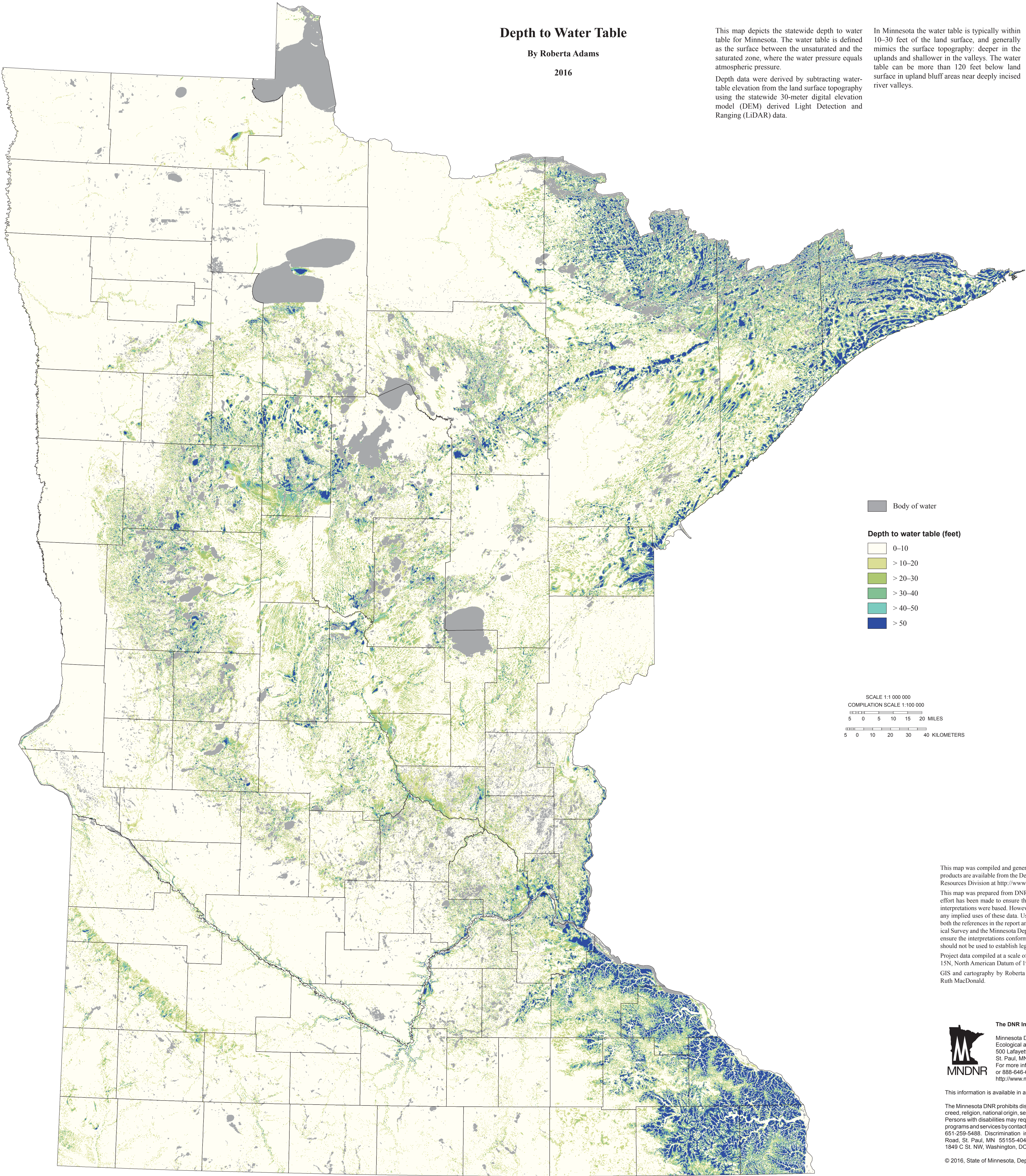
2016

This map depicts the statewide depth to water table for Minnesota. The water table is defined as the surface between the unsaturated and the saturated zone, where the water pressure equals atmospheric pressure.

Depth data were derived by subtracting water-table elevation from the land surface topography using the statewide 30-meter digital elevation model (DEM) derived Light Detection and Ranging (LiDAR) data.

In Minnesota the water table is typically within 10–30 feet of the land surface, and generally mimics the surface topography: deeper in the uplands and shallower in the valleys. The water table can be more than 120 feet below land surface in upland bluff areas near deeply incised river valleys.

Refer to report HG-03: Water-Table Elevation and Depth to Water Table. [http://www.dnr.state.mn.us/waters/programs/gw\\_section/mapping/platesum/mha\\_wte.html](http://www.dnr.state.mn.us/waters/programs/gw_section/mapping/platesum/mha_wte.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>.

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Project data compiled at a scale of 1:100,000. Universal Transverse Mercator projection, zone 15N, North American Datum of 1983. North American Vertical Datum of 1988.

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