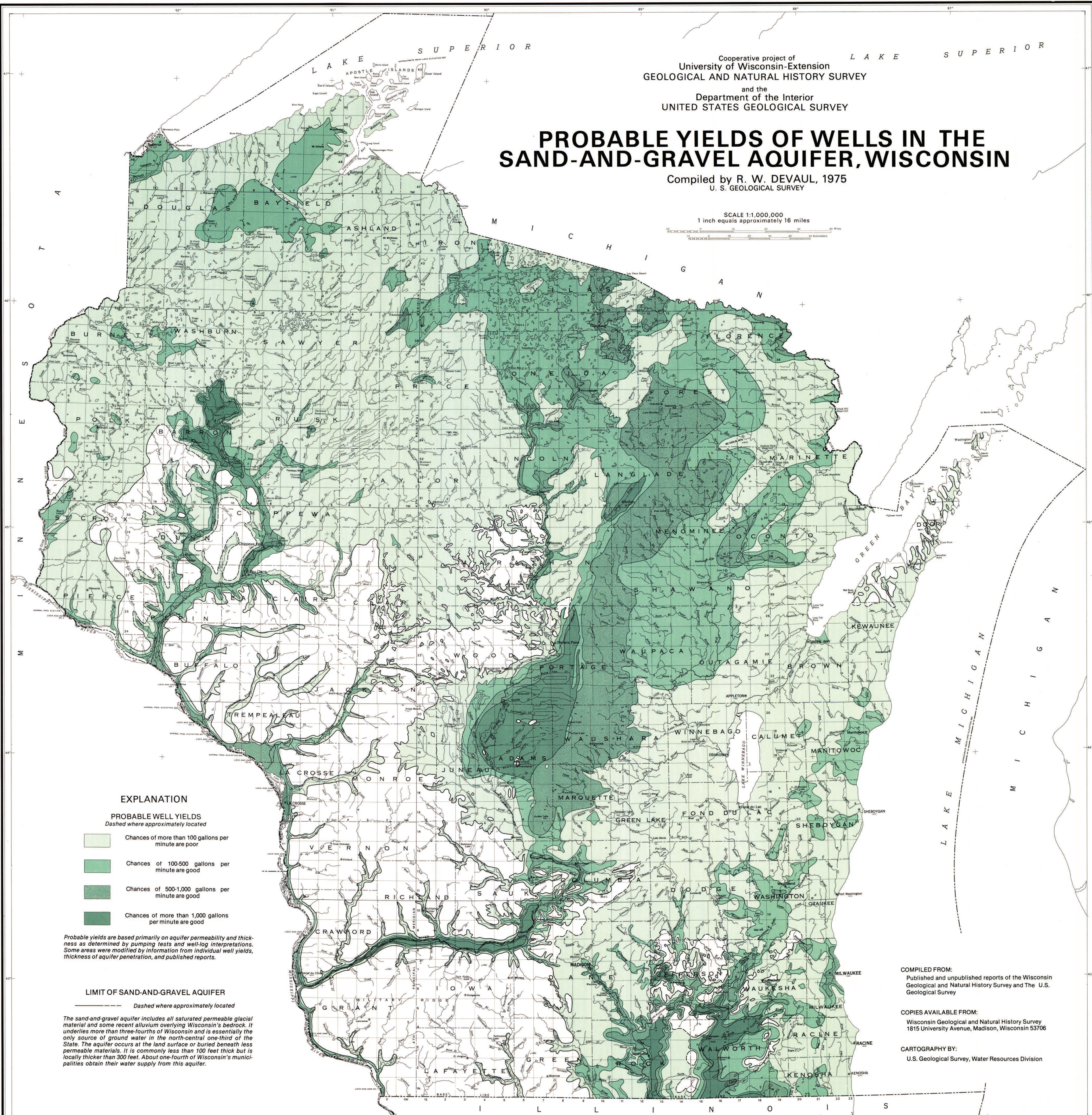
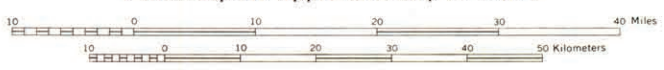


Cooperative project of
 University of Wisconsin-Extension
 GEOLOGICAL AND NATURAL HISTORY SURVEY
 and the
 Department of the Interior
 UNITED STATES GEOLOGICAL SURVEY

PROBABLE YIELDS OF WELLS IN THE SAND-AND-GRAVEL AQUIFER, WISCONSIN

Compiled by R. W. DEVAUL, 1975
 U. S. GEOLOGICAL SURVEY

SCALE 1:1,000,000
 1 inch equals approximately 16 miles



EXPLANATION

PROBABLE WELL YIELDS

Dashed where approximately located

- Chances of more than 100 gallons per minute are poor
- Chances of 100-500 gallons per minute are good
- Chances of 500-1,000 gallons per minute are good
- Chances of more than 1,000 gallons per minute are good

Probable yields are based primarily on aquifer permeability and thickness as determined by pumping tests and well-log interpretations. Some areas were modified by information from individual well yields, thickness of aquifer penetration, and published reports.

LIMIT OF SAND-AND-GRAVEL AQUIFER

Dashed where approximately located

The sand-and-gravel aquifer includes all saturated permeable glacial material and some recent alluvium overlying Wisconsin's bedrock. It underlies more than three-fourths of Wisconsin and is essentially the only source of ground water in the north-central one-third of the State. The aquifer occurs at the land surface or buried beneath less permeable materials. It is commonly less than 100 feet thick but is locally thicker than 300 feet. About one-fourth of Wisconsin's municipalities obtain their water supply from this aquifer.

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