

Wisconsin Geological and Natural History Survey
Miscellaneous Map 38 1994
Groundwater Quality Investigation Maps of Pepin County, Wisconsin
Plate 5

A part of the Pepin County Groundwater Resource Investigation,
a joint project of the Wisconsin Geological and Natural History Survey
and the Pepin County Board.

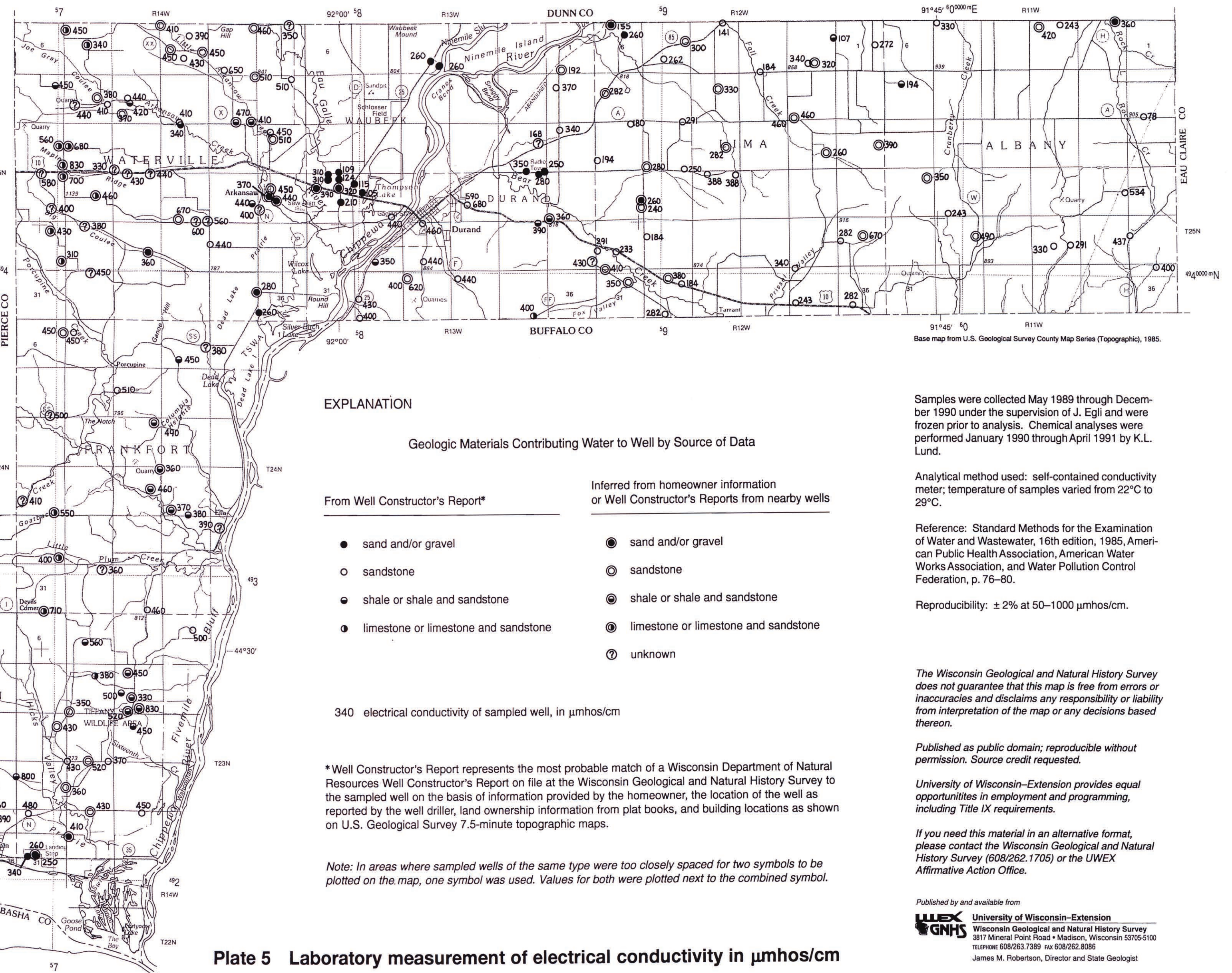
Compiled by D.M. Johnson

Drafted by P.D. Roffers
Automation by N.H. Richardson



Scale 1:100,000
KILOMETERS
MILES

UTM grid convergence
(GN) and 1985 magnetic
declination (MN)
at center of map.
Diagram is approximate.



EXPLANATION

Geologic Materials Contributing Water to Well by Source of Data

From Well Constructor's Report*

- sand and/or gravel
- sandstone
- shale or shale and sandstone
- limestone or limestone and sandstone

Inferred from homeowner information or Well Constructor's Reports from nearby wells

- sand and/or gravel
- sandstone
- shale or shale and sandstone
- limestone or limestone and sandstone
- ⑦ unknown

340 electrical conductivity of sampled well, in µmhos/cm

* Well Constructor's Report represents the most probable match of a Wisconsin Department of Natural Resources Well Constructor's Report on file at the Wisconsin Geological and Natural History Survey to the sampled well on the basis of information provided by the homeowner, the location of the well as reported by the well driller, land ownership information from plat books, and building locations as shown on U.S. Geological Survey 7.5-minute topographic maps.

Note: In areas where sampled wells of the same type were too closely spaced for two symbols to be plotted on the map, one symbol was used. Values for both were plotted next to the combined symbol.

Samples were collected May 1989 through December 1990 under the supervision of J. Egli and were frozen prior to analysis. Chemical analyses were performed January 1990 through April 1991 by K.L. Lund.

Analytical method used: self-contained conductivity meter; temperature of samples varied from 22°C to 29°C.

Reference: Standard Methods for the Examination of Water and Wastewater, 16th edition, 1985, American Public Health Association, American Water Works Association, and Water Pollution Control Federation, p. 76-80.

Reproducibility: ± 2% at 50-1000 µmhos/cm.

The Wisconsin Geological and Natural History Survey does not guarantee that this map is free from errors or inaccuracies and disclaims any responsibility or liability from interpretation of the map or any decisions based thereon.

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Plate 5 Laboratory measurement of electrical conductivity in µmhos/cm