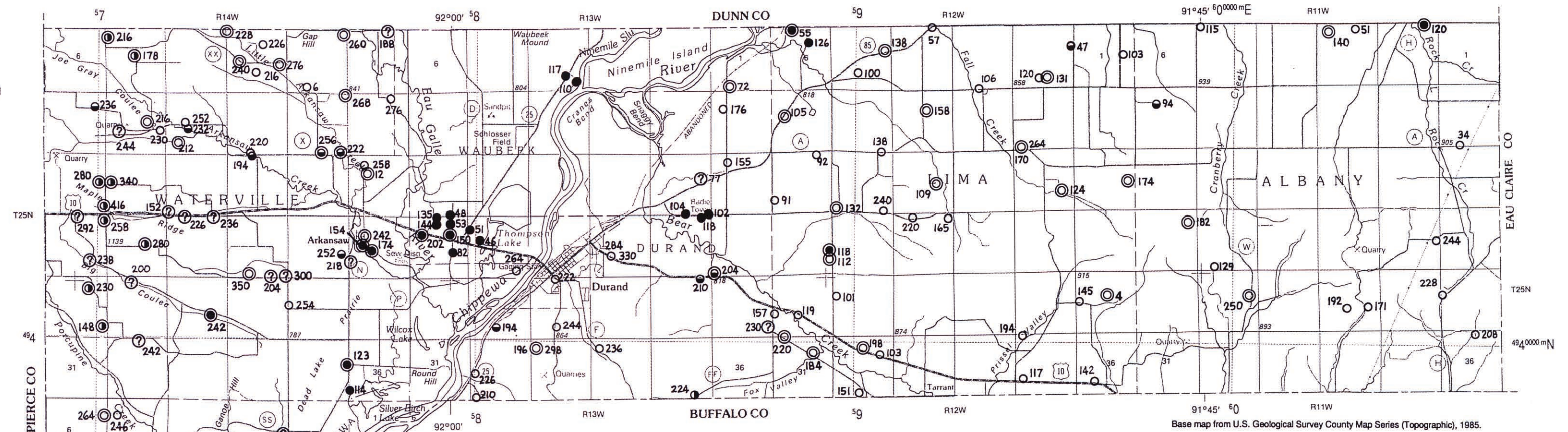
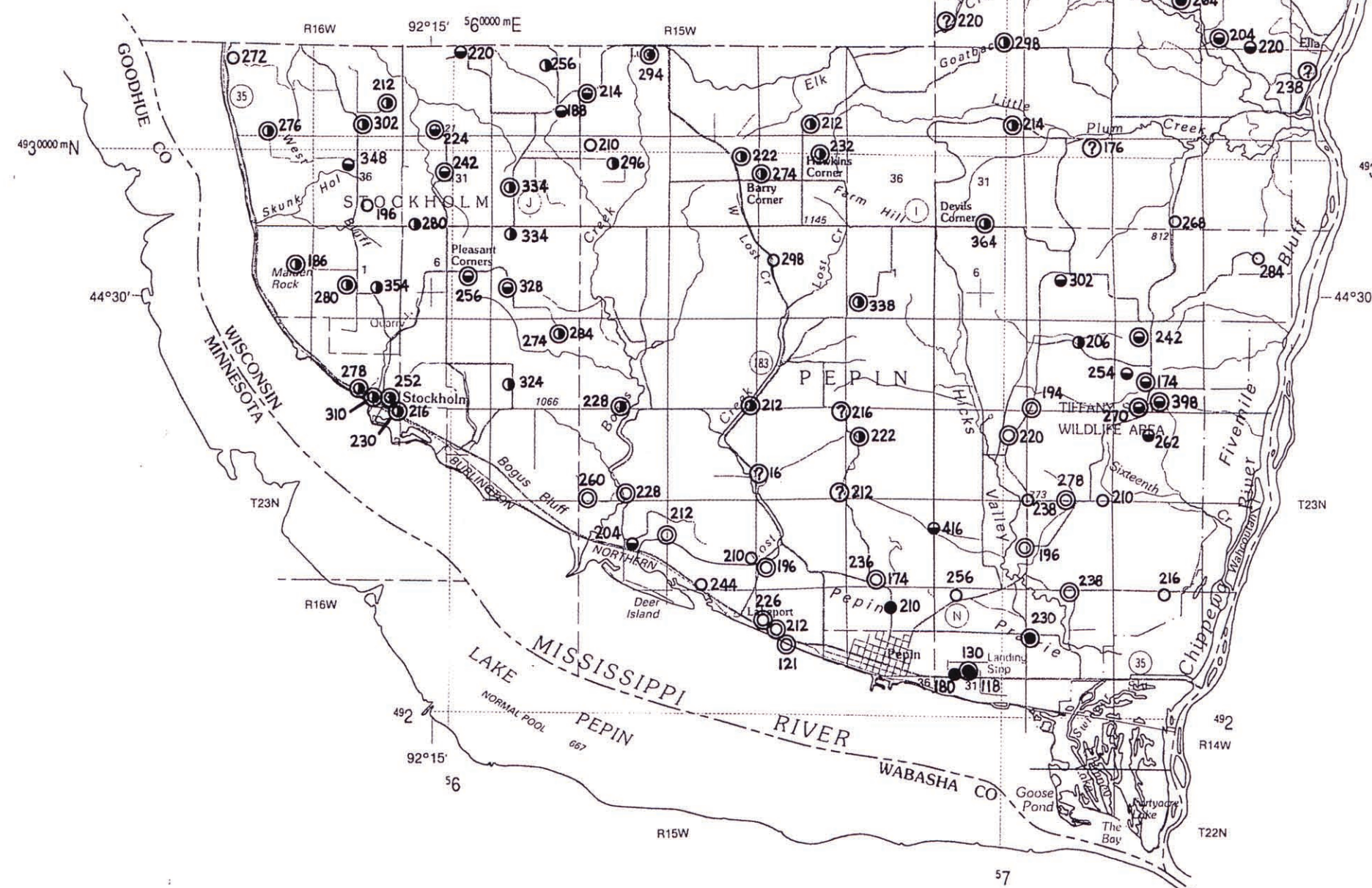
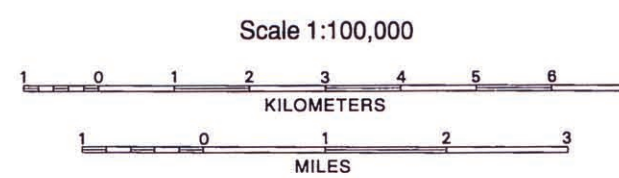
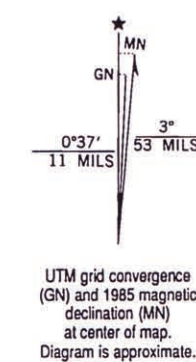


Wisconsin Geological and Natural History Survey  
Miscellaneous Map 38 1994  
Groundwater Quality Investigation Maps of Pepin County, Wisconsin  
Plate 4

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



# 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

143 total hardness of sampled well, in mg/L

\* 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: EDTA titration, using Man Ver 2 Hardness Reagent and a HACH digital titrator.

Reference: HACH Company Digital Titrator Model 16900-01 Methods Manual, 1980, p. 74-81.

Reproducibility:  $\pm 5$  mg/L at 0-200 mg/L.

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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