

Wisconsin Geological and Natural History Survey  
Miscellaneous Map 51 1999  
Groundwater Quality Investigation Maps  
of Price County, Wisconsin

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

Compiled by P.D. Roffers  
and K.J. Cates



EXPLANATION

0.1 ferrous iron content of water sample, in mg/L (Fe)

GEOLOGIC MATERIALS CONTRIBUTING WATER TO WELL BY SOURCE OF DATA

FROM WELL CONSTRUCTOR'S REPORT*	INFERRED FROM HOMEOWNER INFORMATION OR WELL CONSTRUCTOR'S REPORTS FROM NEARBY WELLS
● sand and/or gravel	● sand and/or gravel
● shallow bedrock	● bedrock
● deep bedrock	○ unknown

\*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 water sample 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 with the same map symbol are too close together for the symbols to be clearly identified, one symbol is used, and the water-quality results are next to the combined symbol. However, if the map symbols are different, then two slightly separated symbols are shown, and water-quality results are next to each symbol.

Samples were collected June 1992 through December 1993 by S. Herbst, J. Warren, and L. Windmoeller under the supervision of D. Brezinski, and were frozen prior to analysis. Chemical analyses were performed November 1993 through February 1994 by K.L. Lund (Wisconsin Geological and Natural History Survey).

Analytical method used: 1,10 phenanthroline using FerroVer Iron Reagent and a HACH Kit; samples were not digested.

Reference: HACH Chemical Company Water Analysis Handbook, 1980 edition, p. 2-106-2-108.

Reproducibility:  $\pm 0.1$  mg/L at  $\leq 3$  mg/L; detection limit, 0.1mg/L.

Samples were not acidified nor were they digested at time of collection, so iron values represent only dissolved iron at time of analysis. Therefore, some iron values as reported on this map are probably less than the total iron values present in the aquifer.

Published by and available from  
**Extension**  
Wisconsin Geological and Natural History Survey  
3817 Mineral Point Road, Madison, Wisconsin 53705-5100  
608/263.7389 fax 608/262.8086 <http://www.uwex.edu/wgnhs/>  
James M. Robertson, Director and State Geologist

Base map from U.S. Geological Survey County Map Series (Topographic), 1985.

This map is an interpretation of the data available at the time of preparation. Every reasonable effort has been made to ensure that this interpretation conforms to sound scientific and cartographic principles; however, the map should not be used to guide site-specific decisions without verification. Proper use of the map is the sole responsibility of the user.

Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, University of Wisconsin-Extension, Cooperative Extension. University of Wisconsin-Extension provides equal opportunities in employment and programming, including Title IX and ADA requirements. If you need this information in an alternative format, contact the Office of Equal Opportunity and Diversity Programs or the Wisconsin Geological and Natural History Survey (telephone 608/262.1705).

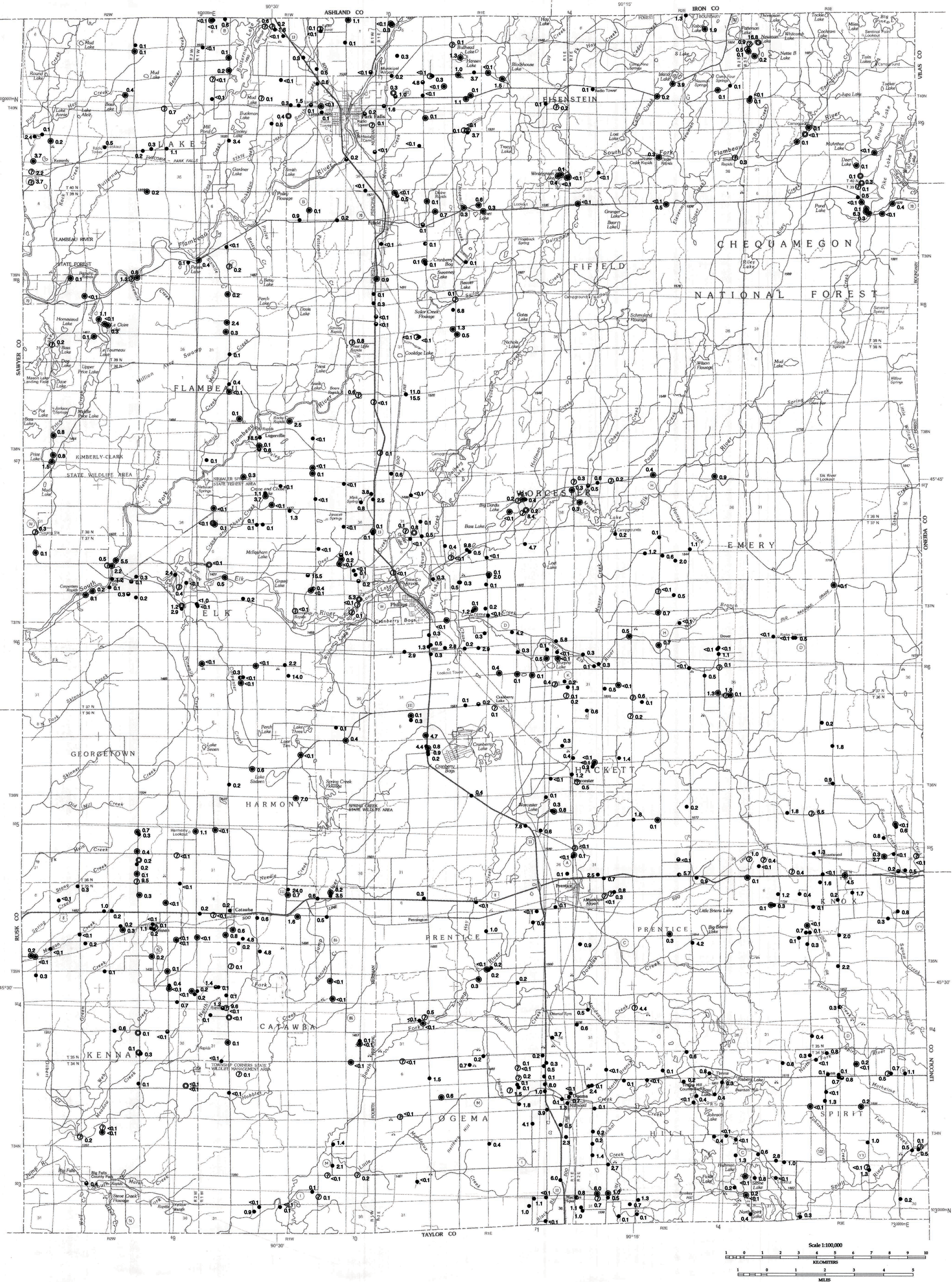


Plate 6 Ferrous Iron in mg/L (Fe)