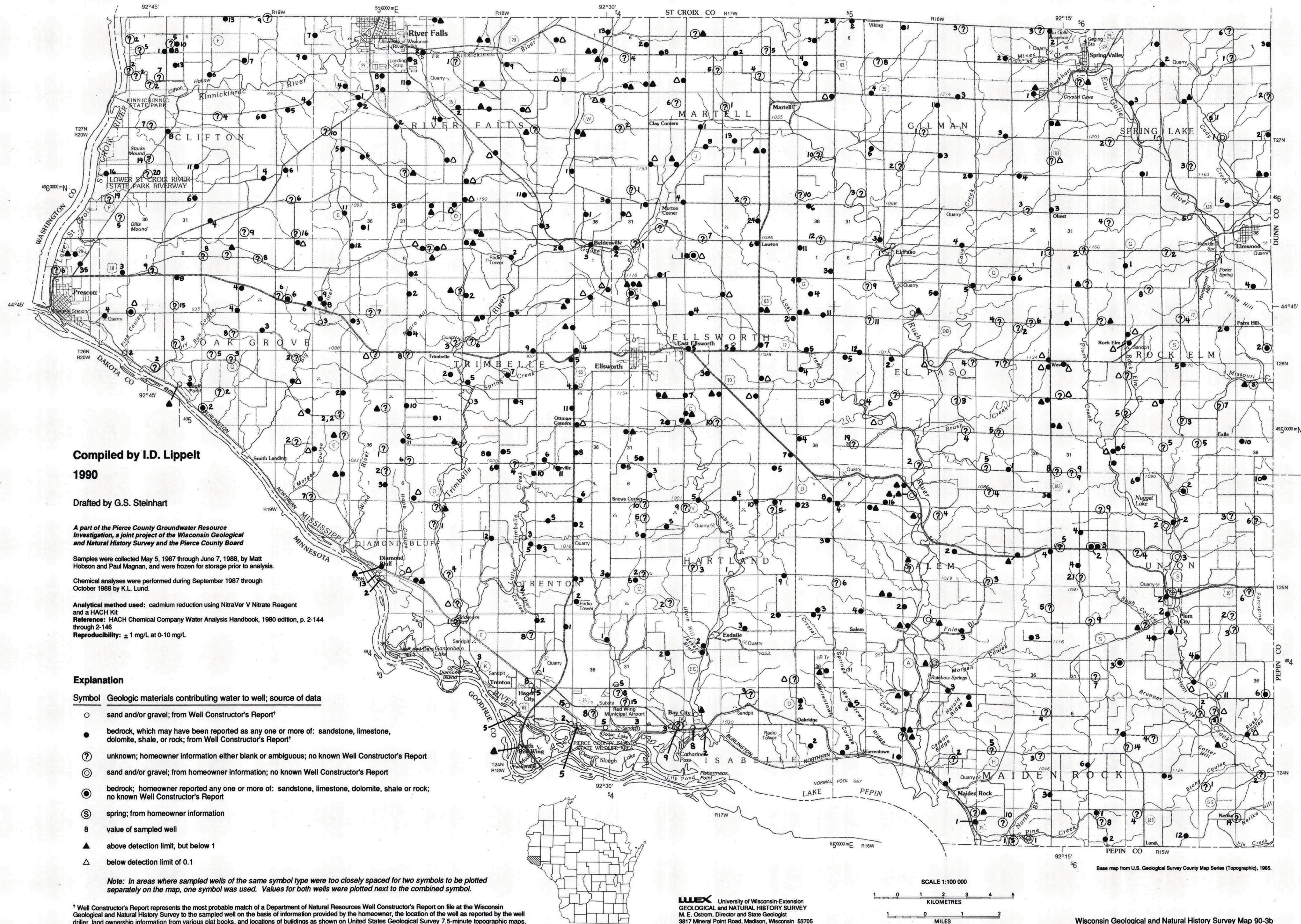


# GROUNDWATER-QUALITY INVESTIGATION MAPS OF PIERCE COUNTY, WISCONSIN

Plate 2 Nitrate as Nitrogen in mg/L (NO<sub>3</sub>-N)

Miscellaneous Map Series



Compiled by I.D. Lippelt

1990

Drafted by G.S. Steinhart

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

Samples were collected May 5, 1987 through June 7, 1988, by Matt Hobson and Paul Magnan, and were frozen for storage prior to analysis.

Chemical analyses were performed during September 1987 through October 1988 by K.L. Lund.

Analytical method used: cadmium reduction using NitraVer V Nitrate Reagent and a HACH Kit  
 Reference: HACH Chemical Company Water Analysis Handbook, 1980 edition, p. 2-144 through 2-146  
 Reproducibility: ± 1 mg/L at 0-10 mg/L

## Explanation

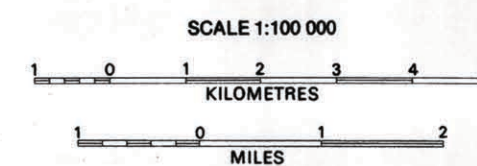
Symbol Geologic materials contributing water to well; source of data

- sand and/or gravel; from Well Constructor's Report<sup>1</sup>
- bedrock, which may have been reported as any one or more of: sandstone, limestone, dolomite, shale, or rock; from Well Constructor's Report<sup>1</sup>
- ⑦ unknown; homeowner information either blank or ambiguous; no known Well Constructor's Report
- ⊙ sand and/or gravel; from homeowner information; no known Well Constructor's Report
- ⊙ bedrock; homeowner reported any one or more of: sandstone, limestone, dolomite, shale or rock; no known Well Constructor's Report
- Ⓢ spring; from homeowner information
- 8 value of sampled well
- ▲ above detection limit, but below 1
- △ below detection limit of 0.1

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

<sup>1</sup> Well Constructor's Report represents the most probable match of a 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 various plat books, and locations of buildings as shown on United States Geological Survey 7.5-minute topographic maps.

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Wisconsin Geological and Natural History Survey Map 90-3b