

ACKNOWLEDGEMENTS

This guide summarizes our present understanding of Iowa's groundwaters. The information is derived from and is an acknowledgement of many years of data collection from cooperating drillers throughout Iowa as well as years of analysis and interpretation by geologists and hydrologists of the Iowa Geological Survey and U.S. Geological Survey, Iowa District Office.

The need for a publication to promote public awareness, understanding, and protection of Iowa's groundwater resources has existed for many years. Michael Burkart, originally with the U.S. Geological Survey, assisted with the earliest draft outline. Iowa Geological Survey geologists Edward Neilson, Robert Rowden, and Lynette Seigley worked on beginning drafts. Keith Schilling and Michael Gannon provided helpful discussions on technical and organizational aspects. Co-authors Janice Boekhoff, Mary Howes, Robert Libra, and Paul VanDorpe met periodically as the publication took shape and produced drafts of several current chapters and many of the maps and tables. Brian Witzke compiled and interpreted the three new stratigraphic cross-sections of Iowa that appear in this book. Mary Howes was instrumental in preparing ArcView maps for publication. Deanna Thomann colorized digital images of previously hand-drawn illustrations. Patricia Lohmann's clean design and graphics do an excellent job of presenting our material to the reader.

The publication benefited from outside reviews by Donald Koch, State Geologist (retired); James Caldwell of the U.S. Geological Survey; Thomas Glanville of Iowa State University; Diane Joslyn of Aquadrill, Inc.; Ubbo Agena and Marie Leat of the Iowa Department of Natural Resources (IDNR), Nonpoint Source Program, and Michael Murphy and Randall Clark with the IDNR Legal Services; and Michael Burkart of the National Soil Tilth Laboratory. Valuable internal reviews were provided by Greg Ludvigson, Janice Boekhoff, Calvin Wolter, Patricia Lohmann, and Michael Gannon, members of the Iowa Geological Survey Editorial Committee, as well as the co-authors. Proof-reading assistance was provided by Donald Koch, Lynette Seigley, and Jill VanDorpe.

Appreciation is also expressed to Donald Koch, retired State Geologist, to James Giglierano, Acting State Geologist, to Timothy Hall, Chief of the Iowa Geological Survey and Land Quality Bureau, to Wayne Geiselman, Administrator of the Environmental Services Division, and to Elizabeth Christiansen, Deputy Director of the Iowa Department of Natural Resources for making this project a priority.

Printing of this publication was funded with assistance from the U.S. Environmental Protection Agency.