

U.S. ENVIRONMENTAL PROTECTION AGENCY

A Resource Guide  
to  
G R O U N D   W A T E R

April 1981

Compiled by  
Sally Ann Sontheimer  
Ebon Research Systems

Office of Library Systems and Services  
U.S. Environmental Protection Agency  
Headquarters Library  
Washington, D.C.

For Additional Information, Call: (202) 755-0353

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U.S. Environmental Protection Agency

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## INTRODUCTION

This guide will assist librarians and patrons of the Environmental Protection Agency library system by listing information sources on groundwater.

Because information on groundwater is extremely diversified, a thorough examination of current literature by library research is quite difficult. Although this guide is not exhaustive, we hope it will be a useful stepping-stone to more detailed investigations. Resource books, organizations, periodicals, computer-readable data base services and other resource services are cited in seven sections.

If additional information or assistance is needed, please contact us.

ADDRESS: Director  
Office of Library Systems and Services  
(PM-213)  
U.S. Environmental Protection Agency  
401 M Street, S.W.  
Washington, D.C. 20460

TELEPHONE: (202) 755-0353

## GROUNDWATER BIBLIOGRAPHIES

### Annotated Bibliography on Artificial Recharge of Ground Water, Through 1954

David K. Todd.

U.S. Geological Survey. Washington: U.S. GPO. 1959. 115 P.  
(Water-Supply paper no. 1477)

### Annotated Bibliography on Artificial Recharge of Ground Water, 1955-1967

D.C. Signor, D.J. Growitz, William Kam.

U.S. Geological Survey. Washington: U.S. GPO. 1970. 141 P.  
(Water-Supply paper no. 1990)

### Artificial Recharge of Groundwater: A Bibliography

George L. Knapp (ed.)

Water Resources Division. U.S. Geological Survey. Washington: U.S. Water Resources Scientific Information Center, Dept. of Interior. 1973. 307 p.

The Selected Water Resources Abstracts information base was used to produce this bibliography.

### Bibliography of Hydrology of the United States, 1963

Compiled by J.R. Randolph, R.S. Deike.

U.S. Geological Survey. Washington: U.S. GPO. 1966. 166 p.  
(Water-Supply paper no. 1863)

### Bibliography of Hydrology of the U.S. and Canada, 1964

Compiled by J.R. Randolph, N.M. Baker, R.G. Deike.

U.S. Geological Survey. Washington: U.S. GPO. 1969. 232 p.  
(Water-Supply paper no. 1864)

### Bibliography of Publications Relating to Groundwater, 1905-1957

R.C. Vorhis.

U.S. Geological Survey and cooperating agencies. Washington: U.S. GPO. 1957. 5 vols. (Water-Supply paper no. 1492).

### Geologic Reference Sources

D.C. Ward, M.W. Wheeler.

Mutchen, N.J.: The Scarecrow Press, Inc. 1972. 453 p.

This guide introduces the reader to the literature of the geological discipline and to the publications and maps dealing with the general geology of a country or region. The publications range from introductory to highly technical and serve to suggest, in addition to the more formal reference works, some representative texts, treatises, and serials.

Ground Water: A Selected Bibliography

F. Van der Leeden.

Port Washington, N.Y.: Water Information Center. 1974. 116 p.

Approximately 1,500 references, including foreign-language materials, are presented under 32 specific topics in ground-water hydrology. Materials are listed by type (journal, book, bulletin, general bibliography) as well as by topic (well-logging, land subsistence, etc.).

Ground Water in Permafrost Regions — An Annotated Bibliography

J.R. Williams.

Washington: U.S. GPO. 1965. 294 p. (Water-Supply paper no. 1792).

Ground Water Pollution: A Bibliography

W.K. Summers, Zane Spiegel.

Ann Arbor, Mi.: Ann Arbor Science Publishers, Inc. 1974. 83 p.

This partially annotated bibliography of over 400 entries focuses on ground water contamination by nitrates, heavy metals, pesticides, and herbicides. The impact of urbanization and the effects of solid waste disposal, animal wastes, and petroleum products on ground water quality are discussed.

Ground Water Pollution: A Bibliography with Abstracts. 1964-1974

Edward J. Lehman.

National Technical Information Service, Springfield, Va. 1975. 133 p. (PS-75/071)

Extensive citations of government research and reports on ground water pollution available through NTIS are listed.

Ground Water Pollution: Citations from the American Petroleum Institute Data Base. 1964-1980

Available through NTIS. Springfield, Va. 1980. 144 p.

Groundwater pollution information from meeting proceedings (or preprints) and over 200 trade magazines (or technical journals) are cited.

The Impact of Groundwater Development in Arid Lands: A Literature Review and Annotated Bibliography

Susan Jo Keith.

Tucson: University of Arizona, Office of Arid Lands Studies. 1977. 139 p. (Illustrations and maps).

Inventory of Federal Sources of Ground-Water Data  
(Notes on Hydrologic Activities, Bulletin #12, April 1966.)  
U.S. Inter-Agency Committee on Water Resources.  
Compiled under the auspices of the Subcommittee on Hydrology.  
U.S. Geological Survey. Washington: U.S. GPO. 1966. 294 p.

Published and unpublished groundwater data, collected by federal agencies, is inventoried. It provides reasonably complete information on groundwater data available in the files of agencies having either a primary responsibility or a secondary interest in groundwater investigations as of June 30, 1964.

Literature Pertaining to Water Quality and Quantity in Unsaturated Porous Media  
Avdhesh K. Tyagi.  
Tucson: Univ. of Arizona, Dept. of Hydrology and Water Resources. 1972.  
125 p. (Technical report #9).

Polluted Groundwater: A Review of the Significant Literature  
D.K. Todd, D.E.O. McNulty.  
Huntington, N.Y.: Water Information Center, Inc. 1976. 179 p.

The literature on man-caused groundwater pollution is reviewed -- its causes, occurrences, procedures for control, and methods of monitoring.

Preliminary Bibliography on Groundwater in Developing Countries, 1970-1976  
D.A.V. Stow, J. Skidmore, A.R. Berger.  
St. John's, Newfoundland: Association of Geo-Scientists for International Development. 1976. 305 p.

This guide to recent work on the sub-surface water resources of developing countries refers to 1574 items published since 1970.

Selected Bibliography on Laboratory and Field Methods in Ground-Water Hydrology  
A.I. Johnson.  
Washington: U.S. GPO. 1964. 21 p. (USGS Water-Supply paper no. 1979-Z).

Subsurface Water Pollution: A Selective Annotated Bibliography  
U.S. EPA, Office of Water Programs; Dept. of Interior, Office of Water Resource Research.  
Available through NTIS. 1972.

Part I: Subsurface Waste Injection (156 p.)  
Part II: Saline Water Intrusion (167 p.)  
Part III: Percolation from Surface Sources (116 p.)

Urban Hydrology -- A Selected Bibliography with Abstracts  
G.L. Knapp, J.P. Glasby.  
USGS Water Resources Investigations.  
NTIS (PB 219105). 1973. 211 p.



## WATER RESOURCES REFERENCE SOURCES

Dictionary Catalog of the Water Resources Archives, Fifth Supplement  
Univ. of California, Berkeley, Ca.: 2 vols. 1976.

A Ground-Water Quality Atlas of the United States

Wayne A. Pettyjohn, and others.

Prepared under the auspices of the Research Section for the National Water Well Association for the National Demonstration Water Project.

Washington: National Demonstration Water Project. 1979. 272 p.

This atlas is the result of an investigation to develop a series of general maps for each state to show the chemical quality of drinking water obtained from aquifers in rural America.

A List of International Hydrological Decade Stations of the World

United Nations Educational, Scientific and Cultural Organization.

Paris: UNESCO, Studies and Reports in Hydrology No. 6. 1969.

The Nation's Water Resources, 1975-2000

Second National Water Assessment by the U.S. Water Resources Council.

Washington: U.S. GPO. 1978. 4 vols.

Nationally consistent current and projected water use and supply information is presented by region and subregion for the entire U.S.

Proceedings of the 3rd National Ground Water Quality Symposium

Las Vegas, Nevada

Co-sponsors: U.S. EPA, Robert S. Kerr Environmental Research Lab and the National Water Well Association.

Washington: U.S. EPA. 1977. 231 p.

Transactions of the proceedings, including 24 technical reports concerned with the disposal of wastes on land, the movement of pollutants in the subsurface, and artificial recharge, are presented.

Sourcebook of Hydrologic and Ecological Features: Water Resource Regions of the Conterminous United States

R.M. Cushman, S.B. Gough, M.S. Moran, R.B. Craig.

Ann Arbor, Mi.: Ann Arbor Science Publishers, Inc. 1980. 126 p.

An overview is provided on the country's water resources, especially groundwater. Reference to more detailed investigations are offered by extensive citation of publications relating to specific topics.

A Summary -- Digest of the Federal Water Laws and Programs  
John L. DeWeer, Philip M. Glick (eds). U.S. National Water Commission.  
Washington: U.S. GPO. 1973. 203 p.

A Summary -- Digest of the State Water Laws  
Richard L. Dewsnap, Dallin W. Jensen (eds). National Water Commission.  
Washington: U.S. GPO. 1973. 826 p.

Water Atlas of the United States  
Geraghty, Miller, Van der Leeden, Trois.  
Port Washington, N.Y.: Water Information Center, Inc. 1973.  
(122 illustrated map plates)

This atlas is a comprehensive visual guide to the water situation in the U.S. It has a total of 122 maps with subject matter expanded to include water pollution and quality, water conservation, water law, and water-based recreation.

The Water Encyclopedia  
David K. Todd.  
Port Washington, N.Y.: Water Information Center, Inc. 1970. 559 p.

This compendium of information about water in the U.S. and the world covers such topics as water use, water quality, pollution control, and agencies and organizations involved with water quality control. It is full of climatic data, is illustrated with charts and maps, and is adequately indexed.

Water Publications of State Agencies: A Bibliography of Publications on Water Resources and Their Management Published by States of the U.S.  
First Supplement 1971-74  
Gerald J. Gieffer, David K. Todd (eds).  
Huntington, N.Y.: Water Information Center, Inc. 1976. 189 p.

Water Resources Development: An International Bibliography, 1950-1965  
Compiled by H. Wellisch.  
Tel Aviv, Israel: Program for Scientific Translations Ltd. 1967. 135 p.

Water Resources of the World: Selected Statistics  
Fritz Van der Leeden.  
Port Washington, N.Y.: Water Information Center, Inc. 1975. 586 p.

## ORGANIZATIONS

American Geological Institute  
2201 M St., N.W., Washington, D.C. 20037

This federation of 18 societies in the field of geology and geophysics conducts activities in science education, professional standards, etc.

American Geophysical Union  
2100 Pennsylvania Ave. N.W., Washington, D.C. 20037

The Union promotes the study of earth sciences, oceanography, hydrology, geodesy, etc., as well as the study of earth in its role in the universe; it assists in carrying out the objectives of the International Union of Geodesy and Geophysics in initiating and coordinating research which depends on international cooperation.

American Water Resources Association  
206 E. University, P.O. Box 434, Urbana, Illinois 61801

This scientific organization encourages and foster interdisciplinary communication between professionals of diverse backgrounds working on all aspects of water resources problems. The Association seeks (1) to advance water resources research, planning, development, and management; and (2) to collect, organize, and disseminate ideas and information in the subject area. Publications include: Hydata, Water Resources Bulletin, Water Resources Abstracts.

Association of Geoscientist for International Development (AGID)  
c/o Department of Geology, Memorial University, St. John's Newfoundland, Canada  
AIC 5S7

This world wide, non-governmental organization of geoscientists is concerned with the rational, effective and equitable management of natural resources for the benefit of all people.

Australian Water Resources Council  
c/o Department of National Development, Canberra, Australia.

Formed to provide a comprehensive assessment, on a continuing basis, of Australia's water resources (surface and underground), the Council encourages the extension of measurement and research so that future planning can be carried out on a scientific basis.

Geological Society of America  
P.O. Box 1719, Colorado Bldg., Boulder, Co. 80302.

The Society seeks to promote the science of geology through issuing scholarly journals, holding conferences, funding research, and other appropriate means.

Geological Survey  
U.S. Department of Interior, National Water Data Exchange. 12201 Sunrise Valley Dr., Reston, Va. 22092.

The Geological Survey provides data assistance service through 53 local assistance centers in 45 states and Puerto Rico. It maintains a water data source directory, nationwide index of sites for which water data are available, and access to a national water data storage and retrieval system.

Geraghty and Miller, Inc  
Office of the President. 44 Sintsink Drive E., Port Washington, N.Y. 11050

This consulting firm specializes in development and management of groundwater resources including geophysical surveys, test drilling, aquifer evaluation, and groundwater contamination studies.

Ground Water Council  
221 North La Salle Street, Chicago, Il. 60601.

The Council is dedicated to promoting public awareness of groundwater, the sensible and proper development, and the protection of this important resource.

Intera Environmental Consultants, Inc  
11541 Katy Freeway, Suite 630, Houston, Tx. 77079.

This firm specializes in application of remote sensing and modeling techniques to the environment (air quality modeling in rough terrain; modeling of the flow of chemical, thermal and radioactive wastes underground, weather modifications; rangeland inventories and bio-monitoring).

International Association of Hydrogeologists/  
International Union of Geological Sciences  
74, rue de la Federation, 75739 Paris, Cedex 15, France

Established in 1956, the 600 individuals and 35 corporation members focuses on the study of subterranean water, its origin, research, and exploration.

International Council of Scientific Unions/  
Scientific Committee on Water Research (COWAR).  
98, rue Xavier de Maistre, 92 Rueil, Malmaison, France.

Established in 1964 by the ICSU Executive Committee, the Council focuses on all aspects of the problem of international water resources.

International Hydrological Programme  
United Nations Educational, Scientific and Cultural Organization (UNESCO).  
Place de Fontenoy, 75007 Paris, France

The IHP replaced the International Hydrological Decade at its conclusion in 1974, and is designed to encourage and guide a concerted international effort to promote the study of the world's water resources and to intensify research and training in scientific hydrology.

International Water Resources Association (IWRA)  
P.O. Box 5697, Milwaukee, Wisc. 53211

Established in 1971, the IWRA fosters interdisciplinary communication and cooperation among industries, business, social groups and professionals in all aspects of water resources of international nature and interest. It sponsored the First World Congress on Water Resources, "Water for the Human Environment" in Chicago, 1973, and maintains an International Water Resources Referral Center and Register.

National Technical Information Service (NTIS)  
5285 Port Royal Rd., Springfield, Va. 22151.

NTIS is the central point for public sale of federally-funded research reports. The major relevant NTIS publication is the Environmental Pollution and Control Weekly which contains abstracts and ordering information for publications in those fields, including Environmental Impact Statements.

National Water Well Association  
500 West Wilson Bridge Road, Suite 135, Worthington, Oh. 43085

The Association is publisher of "Groundwater" and "Water Well Journal".

New Mexico Institute of Mining and Technology/  
Geoscience Department-Hydrology Group  
Socorro, New Mexico, 87801

The institute sponsors research and graduate education in hydrology. Information sources available there include journal articles and technical reports.

R.M. Parsons Laboratory for Water Research

Massachusetts Institute of Technology, 77 Mass Ave., Cambridge, Ma. 02139

MIT conducts research in the water resources, water quality, and hydrodynamics areas. Technical publications are available on project studies.

U.S. Water Resources Council

Suite 800, 2120 L. St. N.W., Washington, D.C. 20037

Established under the authority of the Water Resources Planning Act of 1965, the Council assesses current and projected water use and supply for the entire United States.

University of Nebraska

Conservation and Survey Division 901 North 17th St., Lincoln, Nb. 68588.

Information is available on research conducted in the following areas: water, land, soil monitoring, remote sensing, natural resources, and mineral resources.

University of Nevada.

Desert Research Institute. P.O. Box 60220, Reno, Nev. 89506

Information is available on atmospheric physics and chemistry, air pollution monitoring, solar energy research, waste heat utilization, ground and surface water hydrology, desert ecology, and the social and economic aspects of arid and semi-arid zones.

University of Vermont

Water Resources Research Center. 601 Main St., Burlington, Vt. 05401.

The Center maintains files and a library of information dealing with water and related problems in Northeast United States, and Vermont particularly.

Water Information Center, Inc.

The North Shore Atrium, 6800 Jericho Tpke., Syossett, N.Y. 11791.

The Center's publications include "The Ground Water Newsletter", "Research and Development News", and "Water Newsletter".

Water Resources Engineers, Inc.

710 Broadway, Walnut Creek, Ca. 94596.

This private consulting firm has done water resources analysis throughout the world; its products are engineering reports and computer programs with training. A specialty of the firm is computer modeling of streams, estuaries and lakes, stormwater runoff, sewer planning, economics and groundwater.



Water Resources Scientific Information Center  
Department of Interior. Washington, D.C. 20240.

The Interior Department seeks to disseminate scientific and technical information to the national water resources community regarding current water resource studies and investigations. The major relevant publication is "Selected Water Resources Abstracts".

## ABSTRACTS AND INFORMATION SERVICES

### Bibliography and Index of Geology

American Geological Institute, 1 Skyline Place, 5205 Leesburg Pike, Falls Church, Va. 22041.

This comprehensive bibliography and detailed index serves as an international abstract for current information in the geological field.

### Catalog of Information on Water Data/Index to Water-Data Acquisition

U.S. Geological Survey, Office of Water Data Coordination. Available on request from 417 National Center, Reston, Va. 22092.

This catalog accompanies a computerized file of information about water-data acquisition activities in the U.S., its territories and possessions, and some activities in Canada and Mexico. Although the Catalog does not contain the data, it provides information on where and by whom data are being collected, and how these data can be obtained.

### Ecolert

Orba Information Ltd., 418 Saint Suplice St., Montreal, H2Y 2V5 Canada.

Selected abstracts of articles on ecology and environment from 20 major international newspapers, 25 magazines, and 50 scientific publications are included.

### Environment Abstracts

Environment Information Center, 124 East 39th St., New York, N.Y. 10016.

This abstracting service culls some 700 general, technical, and scientific publications, lists them under a number of headings and provides several indexes. The service includes access to paper or microfiche copies of the original document or article.

### Environment Reporter

Bureau of National Affairs, Inc. 1231 25th St., N.W., Washington, D.C. 20037.

This is a loose-leaf service which provides thorough coverage of both federal and state actions related to the environment. While it concentrates on legal aspects such as national and state laws on water, air, solid-waste, and important judicial decisions, it also covers important new developments and provides technical monographs.

EPA Reports Bibliography  
U.S. Environmental Protection Agency.  
Washington: U.S. GPO.

This continuing bibliography lists all EPA reports available from the National Technical Information Service. Entries contain citation, abstracts, corporate source, subject, contract number, author and title.

Government Reports Abstracts/Index  
National Technical Information Service, Springfield, Va. 22151.

This semi-monthly publication lists the the many thousands of federally sponsored research reports. They are indexed by subject, personal author, corporate author, contract number, and accession/report number.

New Publications of the Geological Survey  
U.S. Department of Interior. U.S. Geological Survey, 329 National Center, Reston, Va. 22092.

This monthly list of Geological Survey publications includes reports available through NTIS, maps, and open-file only set.

Selected Water Resources Abstracts  
Office of Water Research and Technology, Dept. of Interior. (available through NTIS, Springfield, Va. 22151)

Approximately 600 abstracts of current and earlier pertinent monographs, journal articles, reports and other publication formats covering water related aspects of science, management, engineering, and conservation are included.

## HANDBOOKS, GLOSSARIES, DICTIONARIES

### Definitions of Selected Ground Water Terms -- Revisions and Conceptual Refinements

S.W. Lohman, and others, U.S. Geological Survey.  
Washington: U.S. GPO. 1972. 21 p.  
(USGS Water-Supply Paper no. 1988)

### Dictionary of Water and Water Engineering

A. Nelson, K. Nelson.  
Cleveland, Oh.: Chemical Rubber Co. Publication. 1973. 271 p.

### Elsevier's Dictionary of Hydrology

Pfannkuch, H.O.  
(English, French and German). New York: Elsevier. 1969.

### Glossary of Selected Terms Useful in Studies of the Mechanics of Aquifer Systems and Land Subsistence Due to Fluid Withdrawal

J.F. Poland, B.E. Loggren, F.S. Riley.  
U.S. Geological Survey. Washington, D.C. 1972. 9 p.  
(Water-Supply paper no. 2025)

### Ground Water Manual. 1st Edition

U.S. Bureau of Reclamation, Denver. U.S. Dept. of Interior.  
Washington: U.S. GPO. 1977. 480 p.

### Handbook of Applied Hydrology; A Compendium of Water-Resources Technology Ven te Chow (ed).

New York: McGraw Hill. 1964. 1418 p.

Basic theories, principles and required data for the study and management of water and water-resources projects are presented. Bibliographies accompany each topic.

### Handbook on the Principles of Hydrology (with special emphasis directed to Canadian conditions in the discussions, applications, and presentation of data.)

Donald M. Gray (ed).  
Port Washington, N.Y.: Water Information Center, Inc. 1970. 1 vol.

This supplemental text for teaching and training also is a handbook on basic hydrology principles. It was initially published by the Canadian National Committee for the International Hydrological Decade.

International Glossary of Hydrology

Jean Margat (ed).

Paris: UNESCO. 1976.

Water and Water Use Terminology

J. O. Veatch, C.R. Humphries.

Kaukana, Wisc.: Thomas Printing and Publishing Co. 1966.

## COMPUTER READABLE DATA BASES

### DOE/RECON

Technical Information Center, U.S. Department of Energy  
P.O. Box 62, Oak Ridge, Tn. 37830

RECON is a bibliographic retrieval system that provides access to a number of different data bases, principally those related to DOE's programs. "Selected Water Resources Abstracts" is available through this retrieval system.

### Geological Reference File (Georef)

American Geological Institute  
5205 Leesburg Pike, Falls Church, Va. 22041

Approximately 530,000 number items in Georef provide primary coverage of the journal literature of the geosciences. About 25 percent of the sources are non-serial documents such as books, separately authored chapters in monographs, government documents, conference proceedings, maps and thesis. Associated publications are:

- o Bibliography and Index of North American Geology (1961-70)
- o Bibliography and Index of Geology (1969-Present)
- o Exclusive of North America (1967-68)
- o Geophysical Abstracts (1966-71)
- o Bibliography of Thesis in Geology (1965-66)
- o Bibliography and Index of Geology

### Hydrological Information Storage and Retrieval System (HISARS)

North Carolina State University, Water Resources Research Institute  
P.O. Box 5906, Raleigh, N.C. 27607

HISARS is designed to provide direct access to data concerning a variety of hydrological and climatologic elements. Subject matter includes data related to streamflow, rainfall, temperature, evaporation, snowfall, dam characteristics, and ground water.

### National Water Data Exchange (NAWDEX)

U.S. Geological Survey  
421 National Center, Reston, Va. 22092

NAWDEX is a confederation of government, academic and private water-oriented organizations working together to provide timely and convenient access to their data in order to help users identify, locate and acquire needed water information. Not a repository of water-data, NAWDEX provides a central source of water-data information available from a large number of organizations. The associated NAWDEX publication is the "Water Data Sources Directory".



National Water Data Storage and Retrieval System (WATSTORE)  
c/o Chief Hydrologist, U.S. Geological Survey, Water Resources Division  
437 National Center, Reston, Va. 22092

WATSTORE is a large-scale computerized system for the collection and dissemination of water data collected through the activities of the U.S. Geological Survey, the principal federal water-data agency. It is composed of four data handling subsystems: (1) surface water, quality-of-water, and groundwater data measured on a continuous basis; (2) annual peak values for streamflow stations; (3) chemical analysis for surface and groundwater sites; and (4) geologic and inventory data for groundwater sites.

Water Resources Document Reference Center (WATDOC)  
Fisheries and Environment Canada, Inland Waters Directorate  
Ottawa, Ontario, Canada K1A 0E7

WATDOC is Canada's major computer-based water resources information service, providing bibliographic data bases containing literature references, newsclippings, and information on water data collections in Canada.

JOURNALS AND BULLETINS

Agua - Centro de Estudios, Investigacion y Aplicaciones del Agua  
Paseo de San Juan 39  
Barcelona 9, Spain

American Society of Civil Engineers, Hydraulics Division Journal  
American Society of Civil Engineers  
345 East 47th St.  
New York, N.Y. 10017

American Society of Civil Engineers, Irrigation and Draining Division Journal  
American Society of Civil Engineers  
345 East 47th St.  
New York, N.Y. 10017

American Society of Civil Engineers, Environmental Engineering Division Journal  
American Society of Civil Engineers  
345 East 47th St.  
New York, N.Y. 10017

Bulletin Du Bureau De Recherches Geologiques et Minieres - Section Hydrogeologie  
Boite Postale 6009  
45 - Orleans 02  
France

Bulletin of the American Association of Petroleum Geologists  
American Association of Petroleum Geologists  
P.O. Box 979  
Tulsa, Okla. 74101

Chronique D'Hydrogeologie  
Bureau de Recherches Geologiques et Minieres  
74, rue de la Federation  
Paris - XV, France.

EOS  
Transactions American Geophysical Union  
2000 Florida Ave. N.W.  
Washington, D.C. 20009

Geological Society of American Bulletin  
Geological Society of America  
P.O. Box 1719  
Boulder, Co. 80302

Ground Water

Water Well Journal Publishing Company  
500 W. Wilson Bridge Rd.  
Worthington, Oh. 43085

Ground-Water Age

135 Addison Ave.  
Elmhurst, Ill. 60126

The Ground Water Newsletter

Water Information Center, Inc.  
The North Shore Atrium  
6800 Jericho Tpke.  
Syosset, N.Y. 11791

Hidrologia

Boletin Tecnico Informativo del Instituto de Hidrologia  
Po Bajo Virgen del Puerto, 3  
Madrid - 5.

Hydata

Bibliographic references published by the Amer. Water Resources Assoc.  
P.O. Box 434  
Urbana, Ill. 61801

Hydrological Sciences Bulletin

International Association of Hydrological Sciences  
c/o Amererican Geophysical Union  
2000 Florida Ave. N.W.  
Washington, D.C. 20009

Journal American Water Works Association

Amer. Water Works Assoc.  
2 Park Ave.  
New York, N.Y. 10016

Journal New England Water Works Association

New England Water Works Assoc.  
726 Statler Office Bldg.  
Boston, Mass. 02116

Journal of Geophysical Research

Amer. Geophys. Union  
2000 Florida Ave. N.W.  
Washington, D.C. 20009

Journal of Hydrology  
North-Holland Publishing Company  
Postbox 3489  
Amsterdam, The Netherlands

Journal of Research of the U.S. Geological Survey  
Supt. of Documents, U.S. Government Printing Office  
Washington, D.C. 20402

Soviet Hydrology: Selected Papers  
American Geophysical Union  
2000 Florida Ave. N.W.  
Washington, D.C. 20009

UOP Johnson Drillers Journal  
UOP Johnson Division  
P.O. Box 3118, St. Paul, Minn. 55165

Water Resources Bulletin  
American Water Resources Association  
St. Anthony Falls Hydraulic Laboratory  
Mississippi River at 3rd Ave. S.E., Minneapolis, Minn. 55414

Water Resources Research  
American Geophysical Union  
2000 Florida Avenue N.W., Washington, D.C. 20009

Water Well Journal  
Water Well Journal Publishing Company  
500 W. Wilson Bridge Road, Suite 135, Worthington, Oh. 43085

## APPENDIX A

### INFORMATION RESOURCES OF THE U.S. GEOLOGICAL SURVEY LIBRARY

As the principal Federal agency for the collection and dissemination of water data, the U.S. Geological Survey provides a unique set of information services. Internally generated material, plus an extensive collection of maps and other information resources pertinent to groundwater research are maintained at the Geological Survey Library.

The following is a list of information sources unique to the Geological Survey Library and particularly useful for researchers in the field of ground water:

- Water-Supply Papers  
This principal means of publishing the results of the Survey's groundwater investigations includes descriptive and theoretical reports.
- Hydrologic Atlas  
The Atlas is used primarily to publish maps, charts, tables, and other such material on groundwater and resources.
- Ground-Water Notes  
This series, released to the open file but distributed only within the Survey includes: (1) papers describing new advances in groundwater hydrology which otherwise would not be available, or would be available only after considerable delay, and (2) reprints of older papers, generally ones that are out of print.
- Professional Papers  
This collection includes unusually large or comprehensive groundwater or water resources reports and inter-division or inter-agency reports.

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## APPENDIX B

### FEDERAL REGULATIONS AND CITATIONS ON GROUNDWATER

#### 1. Regulation of Groundwater

On September 29, 1980, the Committee on Government Operations issued an interim report on ground water contamination pinpointing the issue as "one of the most serious environmental problems of the 1980's." Recent investigations by the Environmental Protection Agency have produced evidence of a more serious and widespread degradation of ground water quality than previously believed or thought possible. Congressional concern coincides with the realization that ground water is a resource that society cannot afford to misuse.

Included in the September, 1980, committee report were recommendations to the EPA that it use its statutory authority under existing laws to devise a policy of protection, "before precious ground water supplies are irreversibly damaged." It concluded that Congress need not pass further laws since legislation to properly protect ground water resources was already in existence. The task of protecting ground water was left to the EPA acting through its implementation and enforcement responsibilities.

The same laws used to protect the quality of surface waters will also apply to ground water. They are as follows:

- The Safe Drinking Water Act
- The Clean Water Act
- The Resource Conservation and Recovery Act.

Using certain statutes of these laws, the EPA's job will be to implement regulations specifically for ground water. The EPA does not intend to propose new federal legislation as part of their policy. Rather the emphasis will be on making better use of existing laws through coordination of federal, state, and local activities. Regulations under three other programs will also be incorporated as part of a comprehensive policy to prevent ground water contamination:

- The Underground Injection Control Program
- The Surface Mining Reclamation Act
- Superfund.

Copies of the EPA's Proposed Ground Water Protection Strategy are available through the National Technical Information Center. EPA/ODW-3, Nov., 1980. (PB-81-164329). 78 p. \$8.00.



## 2. Groundwater Citations as They Appear in Congressional Documents

The Committee on Government Operations' "Interim Report on Ground Water Contamination" is perhaps the most comprehensive Congressional document dealing with the groundwater issue. Although few legislative documents are solely concerned with groundwater, many committee investigations include reports and testimony on this issue.

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