January 1975

Water Resources: a Bibliographic Guide to Reference Sources

Valerie Hunter Ralston
University of Connecticut

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Water Resources
Valerie Hunter Ralston

A Bibliographic Guide to Reference Sources

The University of Connecticut Library, Storrs
Bibliography Series, Number 2

Institute of Water Resources
The University of Connecticut, Report Number 23
Water Resources
Valerie Hunter Ralston

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FOREWORD

The need for water is universal. As a consequence, the literature concerning this vital resource is not only vast but distributed among a great variety of disciplines. During the past two years Mrs. Valerie Ralston has labored diligently to make this information more readily accessible to scholars.

In this endeavor she has had the constant encouragement of the Institute of Water Resources through its Executive Committee and my predecessor, Dr. William C. Kennard. The Institute is pleased and proud to have assisted in making this extremely useful document available to the public.

September 18, 1974

Victor E. Scottron
Director
The Institute of Water Resources
INTRODUCTION

During the fall of 1972 members of the Executive Committee of the Institute of Water Resources approached The University of Connecticut Library administration to determine how materials in their field, and especially publications of the other Water Resources Research Institutes around the country, were being handled by the Library. They were also interested in access to these materials as the numbers of publications were expected to increase markedly in the next few years.

As an outgrowth of these early conversations, the Library offered to put together a guide to water resources materials at The University of Connecticut Library. Bibliographic work was begun in early 1973 and completed in the spring of 1974. As the research progressed, emphasis was placed on providing a guide to reference materials and in this way outlining the literature of the field, rather than on producing a subject approach to individual items in the collection.

Upon completion, it was decided to omit repeated mention of The University of Connecticut Library collection as it was felt the bibliography might appeal to a wider audience. Very few references are included, however, which are not part of our collection. Call numbers (e.g. Ref Z7401 J4 1969), Superintendent of Document numbers (e.g. Govt. Pub. Dept. (I 19.13:1900)), and information necessary to locate materials in the Readex Microprint collection of non-depository U.S. government documents (e.g. non-depository microprint MC 72:15333 - Monthly Catalog of United States Government Publications 1972, item number 15333) are included in order to locate the material in the University of Connecticut Wilbur Cross Library collection.

Of the 411 references to individual publications or services, 46% are government publications or services sponsored by government agencies. This emphasizes the importance of the government both federal and state as far as the literature and the sponsoring of research is concerned.

I would like to thank the members of the Government Publications Department, my fellow Reference Librarians, and the other members of the Reference Department staff for their help and patience. It is hoped that this bibliography will serve as an educational resource for students, faculty and other researchers in the field of water resources.

V.H. Ralston
September 5, 1974
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The publication of this report was supported by funds provided by the United States Department of Interior as authorized under the Water Resources Research Act of 1964, Public Law 88-379.
AGRICULTURAL SCIENCES


BIOLOGICAL SCIENCES


BUSINESS

5 Encyclopedia of business information sources, a detailed listing of primary subjects of interest to managerial personnel, with a record of sourcebooks, periodicals, organizations, directories, handbooks, bibliographies, and other sources of information on each topic. Paul Wasserman, et al. Detroit, Gale Research Company, 1970. 2 v. v. 1: General subjects; v. 2: Geographic index. Ref index table E HF5353 E52 v. 1-2

Subjects of interest:
Fish industry Tunafish industry
Fisheries Waste products
Hydraulic engineering Water
Hydraulics Water conservation
Oceanographic industries Water pollution
Oyster industry Water power
Parks Water purification
Pesticide industry Water resources development
Salmon industry Water supply
Sanitation industries Water works
Shellfish industry Wildlife conservation

ENGINEERING


ENVIRONMENT


GEOLOGICAL SCIENCES


OCEANOGRAPHY


See also:

15 Pathfinders — two page guides to the literature in specific fields available at Ref Desk

Civil engineering - Coastal engineering - beach erosion
Civil engineering - Ground water seepage
Civil engineering - Harbor design
Civil engineering - Salinity intrusion
Civil engineering - Sediment transport
Civil engineering - Water distribution systems
Pollution - Water pollution, biological filtration
Pollution - Water pollution, standards/legislation - U.S. 1965-
Wastewater treatment - Activated sludge process
Wastewater treatment - Electrodialysis
Wastewater treatment - Foam fractionation
Wastewater treatment - Sedimentation
Water pollution - Mercury
Water pollution - Monitoring water quality
Water pollution - Oil containment
Water pollution - Radioactive materials
Water pollution - Thermal pollution
Govt. Publ. Dept.
Includes symbols, tables and selected references.

Ref TD9 M34
German, English, French, and Italian.

Ref GB1003 P46

Ref QE515 F24
Contains a detailed subject index, bibliographies, and cross references.

Ref GB10 F3

Ref TC9 V6
Appendix II: "Symbols used in soil and foundation engineering"
Appendix III: "Recommended abbreviations"
Appendix IV: "Conversion factors"

   Ref SH201 F56 1969

   Includes bibliographies, illustrations and maps.


25 Glossary of ocean science and undersea technology terms; an authoritative compilation of over 3,500 engineering and scientific terms used in the field of underwater sound, oceanography, marine sciences, underwater physiology and ocean engineering. Edited by Lee M. Hunt and Donald G. Groves. Arlington, Va., Compass Publishers, 1965.  Ref GC9 H85


   In addition to the dictionary section, abbreviations, acronyms, and oceanographic institutions, agencies, activities and groups are listed.


   non-depository microprint


Ref TD173 S37 
Includes some charts, diagrams, and illustrations.

31 Standard encyclopedia of the world's rivers and lakes. Edited by 
Ref GB1203 G73 1966 
Includes illustrations and maps, both partly colored.

32 Technical dictionary of heating, ventilation, sanitary engineering; 
containing about 5,300 technical terms. Edited by Wolfgang 
Ref TH9 T43 
Alphabetical sections in English, German, French and Russian 
giving word in other languages; no definitions.

33 Waste disposal dictionary. Walter E. Kaupert. N.Y., American 
Ref TD9 K3

34 Water and water use terminology. Jethro O. Veatch and C.R. 
Ref TD392 V36

35 Waves, tides, currents, and beaches; glossary of terms and list of 
standard symbols. Robert L. Wiegel. N.p., Council on Wave 
Research, Engineering Foundation, 1953. 
Ref GC9 W5
Encyclopedias


Includes detailed index.

See also:

38 Water encyclopedia; a compendium of useful information on water resources. Edited by David Keith Todd. Port Washington, N.Y., Water Information Center, 1970. Ref TD351 T63

Emphasis is on data rather than on discussion of information.

41  **CRC handbook of environmental control.** Edited by Richard G. Bond and Conrad P. Straub. Cleveland, Ohio, Chemical Rubber Company, 1972-.

Ref TD145 C2 v.1-

v.1: Air pollution
v.2: Solid waste
v.3: Water supply and treatment

Sources and quality  Biological control in water
Needs  supply systems
Quality criteria  Recreational waters
Water treatment  Analytical methods
Water distribution  Monitoring

Detailed subject index provided; also includes list of acronyms and conversion factors.


Ref TD174 N6

Sections on population, endangered species, pollution, detergents, food, pesticides, non-renewable mineral wastes, solid wastes; includes a glossary and an index.


MC 71:10084
non-depository microprint

MC 72:1982
non-depository microprint


628.11 J621g


47 **Handbook of applied hydrology; a compendium of water-resources technology.** Edited by Ven Te Chow. N.Y., McGraw-Hill, 1964. Ref GB661 C56

48 **Handbook of chlorination; for potable water, waste-water, cooling water, industrial processes and swimming pools.** George C. White. N.Y., Van Nostrand Reinhold, 1972.

49 **Handbook of hydraulics.** Horace W. King and Ernest F. Brater. 5th ed. N.Y., McGraw-Hill, 1963. 532.9 K582h 1963

50 **Hydrographic data book.** John C. Stevens. Revised by the staff of Leupold and Stevens Instruments, Inc. 7th ed. Portland, Ore., Leupold and Stevens, 1968. TC151 S74

51 **Industrial pollution control handbook.** Edited by Herbert F. Lund. N.Y., McGraw-Hill, 1971. TD897 I42


SB951 P4 (1971 ed.)

57 Pollution control handbook. Park Ridge, N.J., Noyes Data Corp., 1970-
TD172 P655

Alphabetically arranged by name of dam giving location, year completed, type, structural height, length of crest, volume content of dam, reservoir name, reservoir capacity, purpose, installed power capacity, owner, engineering by, construction by; includes illustrations of dams, one hundred highest dams and list of reservoirs created by dams.

(I 1.77/2:Sa3/971)

(I 19.13:1822)

(I 1.88:301)

(I 1.88:706)


Govt. Publ. Dept.
(I 1.88:773)


Govt. Publ. Dept.
(I 19.15/5: book no./chap. no.)

Published in sections called chapters. Each chapter deals with a specific aspect of the following topics:

Book 2: Collection of environmental data.
Book 3: Applications of hydraulics.
Book 4: Hydrologic analysis and interpretation.
Book 5: Laboratory analysis.
Book 7: Automated data processing and computations.
Book 8: Instrumentation.

Indexing is provided in the Monthly Catalog, see no. 169 of this bibliography.


Govt. Publ. Dept.
(I 1.88:363)

67 Thermophysical properties of water to 1,000°C and 10,000 bars. C. Wayne Burnham, John R. Holloway and Nicholas F. Davis. Boulder, Colo., Geological Society of America, 1969. (Geological Society of America. Special paper no. 132)

550.82 G292s no. 132


TD380 W32


TD430 A6 1971
71 Water quality criteria. 1963. See no. 134 of this bibliography.
Govt. Publ. Dept.
(5-W32.5:3-A)

72 Water quality criteria data book. U.S. Environmental Protection
Agency. Wash., D.C., GPO. (Water pollution control research
series) 1970-
Govt. Publ. Dept.
v.1: Organic chemical pollution of freshwater. Arthur D. Little,
v.2: Inorganic chemical pollutants of freshwater. Arthur D.
v.3: Effects of chemicals on aquatic life, selected data from
(EP1.16:18050 GWV 5/71)
v.4: Investigation into recreational water quality. Byron J.
(EP1.16:18040 DAZ 4/72)

73 Water supply and sewerage. Ernest W. Steel. 4th ed. N.Y.,

74 Water treatment; a guide to the treatment of water and effluents
purification. George V. James. 3d ed. London, Technical Pr.,
Ltd., 1965. 628.16 J233w 1965

75 Water treatment data; a handbook for chemists and engineers in
industry. William Michael Theodore Boby and G.S. Solt.
London, Hutchinson, 1965. Ref TD430 B6

76 Water treatment for industrial and other uses. Eskel Nordell. 2d ed.

77 Water well handbook. Keith E. Anderson. 2d ed. Rolla, Missouri,
Water Well Drillers Association, 1950. 628.1 An23

78 Water well technology: field principles of exploration, drilling, and
development of ground water and other selected minerals.
TC405 C2
Guides to Statistics Literature


This index is published in two parts with monthly supplements providing up-to-date coverage of statistics for each part. **Part I: Index** contains an index by subjects and names (e.g. Water pollution, Water resources development, Water supply, Environmental Protection Agency) and gives an appropriate number for locating the source of the statistic in **Part II: Abstracts**. Part I also contains an index by category. These 18 categories are in three sections: Geographic, Economic and Demographic. Within each of the categories statistics are grouped under standard subjects (e.g. Agriculture, Natural Resources and Conservation, and Recreation and Leisure). Again cross reference numbers are given for the source of the statistic in **Part II: Abstracts**. At the end of Part I there is an index by title and agency report number. **Part II: Abstracts** contains descriptions of the various department and agency statistical publications. A detailed table of contents permits this section to be used separately.


Arranged by subject, listing statistical sources; contains a "Selected bibliography of key statistical sources" (p.9-14) by Janice McLean. Subjects of possible interest: Fish-catch, Fish
hatcheries, Fish killed by water pollution, Fish production and value, Fish supply, Fishing and hunting (recreation), Floods, Harbors, Lakes, Rainfall, Rivers, Snow, sleet - selected cities, Water, etc.

Statistics – Water

Govt. Publ. Dept.
(A1.34:317)
Contains data about four major aspects of United States agricultural land:
Land capacity
Land use - actual in 1958, expected in 1975
Conservation treatment needed on land in each land use
Small watershed projects needed

(C55.214:vol. and no.)
Published monthly summarizing weather conditions for each state including:
General summary of river and flood conditions
Flood stage data - giving flood stage in feet, dates above flood stage, crest stage in feet, and date of crest
Maps showing: total precipitation, percentage of normal precipitation, total snowfall, percentage of mean monthly snowfall, depth of snow on ground on day near end of given month
Information is summarized by each state annually.

(C30.51: vol. and no.)
Published monthly and cumulated annually; summarizes data including:
Flood losses for the current year, plus figures covering earlier periods of time
General summaries of river and flood conditions for the current year


GC58 N3


Govt. Publ. Dept.
(I 19.4²:651-666)

Each of the 16 parts of the report covers a geographic area of the United States, e.g. Pt. 1: North Atlantic Slope Basins (I 19.4²:651). Each part is arranged alphabetically by place with an alphabetical index to streams, lakes, reservoirs, etc. at the end. For each surface-water area the following information is given:

- Station number
- Drainage area in square miles
- Periods of record including: daily or monthly figures, annual peaks, low-flow measurements in water years

Records of streamflow from 1951-1960 are summarized in Water-supply papers 1721-1740, entitled "Compilation of records of surface waters of the United States, Oct. 1950 to September 1960." Each of these summaries lists earlier publications where more detailed information has been given. Records for 1961-1965 were published in Water-supply papers 1901-1937, see no. 93 of this bibliography.


Govt. Publ. Dept.
(FS2.84³: date, vol. and date, sum.)

Each volume covers a definite region of the United States e.g. v.1: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont. The publication inventories public water supply in the United States and includes the following data
which is arranged by region and then alphabetically by community:

- Population
- Year operation started
- Ownership
- Number of streams, number of meters
- Laboratory control
- Source of supply
- Safe yield
- Impounded (surface) maximum dependable drift (ground)
- Plant capacity and average plant output
- Treatment
- Improvements needed

The statistical summaries analyze the data by population areas and by state.


Govt. Publ. Dept.
(FS2.84:964)

Information is arranged alphabetically by state with appendixes for some large metropolitan areas at the end. For each area covered the following information is given:

- Population
- Year operation started
- Ownership
- Number of services, number of meters
- Source of supply
- Storage, impounded and raw water
- Safe yield, impounded (surface) maximum dependable drift, ground water
- Transmission capacity
- Treatment
- Treatment plant capacity
- Plant output
- Average plant output
- Laboratory control
- Pumping capacity
- Raw and finished water
Distribution storage
Will distribution system satisfy maximum demand
Improvements needed
Remarks


Summarizes by state the information given in the basic report.

88 Municipal yearbook, the authoritative resume of urban data and developments. Wash., D.C., International City Management Association. Annual. Ref JS344 C5 A24 date
Covers both primary and secondary statistics. The detailed subject index includes entries under water and sewer programs, including experience with HUD programs, ranking regional council performance, and state matching funds for sewer services; water pollution, including federal grant-in-aid programs, and state actions affecting local government; also related information of possible interest under environmental protection headings.


Data provided is for surface waters in the United States. Information given:
- Radioactivity determinations
- Plankton populations
- Organic chemicals
- Chemical, physical and bacteriological analyses
- Flow data, Strontium 90
- Trace elements

Continued by “Water pollution surveillance system.” See no. 97 below.


This report is primarily a list of the approximately 250 fresh water lakes in the U.S. with a surface area of 10 square miles or
more. Statistics on depth are given with brief narrative information. There is a discussion of the saline lakes of the Great Basin. A bibliography is included.


Arrangement is alphabetically by state. Information given:
- Name of reservoir and stream
- Location
- Drainage area
- Dead storage
- Total storage
- Usable storage
- Storage ratio
- Use
- Date completed
- Owner or operator
- Notation of published storage records

A map of the U.S. showing drainage areas and basin index symbols is included. This publication supersedes Water-supply paper 1360-A, "Reservoirs in the United States" by N.O. Thomas and G.E. Harbeck, Jr. published in 1956.


Published annually since 1878, this source is a summary of social, political and economic statistics of the United States. There is a detailed subject index. Statistics included for water are:
- Area
- Equipment, expenditures and shipments
- Population using fluoridated water
- Personal consumption expenditures
- Pollution including fish kill, ocean dumping, oil spills
- Water power including developed and undeveloped
- Electric energy generated by water, installed capacity of generating plants
- Transportation
- Use in U.S. manufacturing and industry

This 37 volume series of reports provides information on records of stage, discharge, and content of streams, lakes, and reservoirs in the U.S. during 1961-65. Each volume contains an index of gauging stations and includes maps. Volume 1 covers the North Atlantic Slope Basins. “Through September 30, 1960, the records of discharge and storage of streams and contents and stage of lakes or reservoirs were published in an annual series of U.S. Geological Survey water-supply papers entitled “Surface Water Supply of the United States.” Prior to 1951, there were 14 volumes in the series; one for each of the 14 parts whose boundaries coincided with certain natural drainage lines within the conterminous United States. From 1951 to 1960, there were 20 volumes in the series, including one each for the States of Alaska and Hawaii.” With the present report a new series has begun, which will be published every five years.

The publication history of the “Surface Water Supply of the United States” is outlined in the “Dictionary Catalog of the Water Resources Center Archives, University of California, Berkeley” v.5, p.122-124, see no. 195 of this bibliography.


This report includes historical and current data on 17 western states:

Acreage
Yield
Production
Extension of irrigation to new lands
Gross value of crops grown on all projects
Multipurpose functions including municipal and industrial water use
Public recreation
Power
Flood control

28
Summary tables are included which cover crop value and irrigation by region and states; acreage and crop value; cumulative crop values; and status of water users by type of farm and class of water service provided.

95 Statistical appendix. Wash., D.C., GPO, 1969-
Govt. Publ. Dept.
(I 27.55: date/app)

Contains crop production data for regional areas of the 17 western states and individual projects which are listed alphabetically. The crop production reports include data on:

- Acreage
- Yield
- Production and gross value of crops grown
- Land utilization
- Water distribution
- Status of reclamation lands
- Other related subjects

Tables of “Related data” are given at the end. The 1971 volume contains:

- Status of irrigable lands
- Irrigation and gross crop value data by region
- Distribution of farms by types of irrigation service
- Population served with project water
- Municipal, industrial, and other nonagricultural uses of project water
- Water distribution
- Sugar beet production on Federal Reclamation Projects
- Recreation areas on reclamation projects
- Utilization of recreation areas
- Utilization of acquired and withdrawn lands

Govt. Publ. Dept.
(I 19.13:1871)

Information is arranged alphabetically by state and then by geographic area. For each geographic area information given:

- Area
- Population
Hydrologic background
Current data for surface water and water quality
Current projects
References are included for further information. Tables included: Water-supply papers containing records of stream flow in the U.S., 1931-60; compilation of records of stream flow; Water-supply papers containing records of water levels and artesian pressure in observation wells in the U.S. 1935-57; Water-supply papers containing data on chemical analysis, sediment transport, and water temperature of streams in the U.S.; Water-supply papers containing records of flood stages, discharges, and areal runoff.


Govt. Publ. Dept.
(FS2.842:963 vol.)

Continues “National water quality network.” See no. 89 above.

Statistics — Related to Water


Govt. Publ. Dept.
(A1.47:date)

Data is provided on agricultural production, supplies, population consumption, facilities, costs and returns. Information generally is retrospective to 1954-55, or most recent 10 years. Comparable data for earlier years can be found in the volume for 1967 which includes figures as far back as 1866 for some data. In the 1972 volume chapter 12 deals with “Agricultural conservation, pollution abatement, and forestry.” Detailed subject index increases usefulness of this source.


Govt. Publ. Dept.
(C41.303:vol. number)

Statistics include building permits, contract awards, and costs and prices related to the sanitation industry. Includes occasional articles on water and waste water treatment, etc. Issue no. 12 is titled “Annual Statistical Issue.”

Govt. Publ. Dept.

(C55.316:63)

This source has been published annually since 1962; prior to that surveys were made in 1908, 1931, 1950, 1954-60. Statistics are grouped first in a general review section and then by region, for example "New England Fisheries." A glossary and pictorial section are included at the end.


Govt. Publ. Dept.

(FP1.21:220)

Data on "plant investment, annual production expenses, and related information for selected major hydroelectric plants" in the U.S. is given. An earlier publication (FPC publ. S-130) covered the period 1953-56. Subsequent annual publications extend coverage up to 1969; with the present volume coverage is completed for 1953-69 (17 years). Plants are listed by state with an alphabetical list of plants at the end.


Govt. Publ. Dept.

(FS2.56)

(167.11: date)

Continued by the following reference.


Govt. Publ. Dept.

(167.11: date)

Economic and cost data provided. This series of reports ceased publication with this volume.

104 **Shellfish situation and outlook.** U.S. Dept. of Commerce, National
Contains a summary of information on shrimps, scallops, northern lobsters, spiny lobster tails, west coast crabs, and the international shrimp market. Statistics given for each type of shellfish are:
- Supplies
- Landings
- Imports
- Inventories
- Prices
- Consumption
- Exports
- Outlook

The Jan. 1973 issue is titled “Shellfish Market Review and Outlook.”

Map Room
G3701 M1 L39 1967

"National maps and regional statistics of twenty-one major water-using industries" are provided. For each industry geographic concentration is shown on a map, and regional and national water use data is provided in billions of gallons. Other data: number of plants, intake, gross use, internal use, and source of supply.


Map Room
G2801 L1 F6 1972

Contains three types of maps: the first ten show the geographic distribution and present exploitation of living resources of the oceans; the second group of seven maps show fish migration; the third section of 45 regional maps show the geographical and vertical distribution of "main stocks in each ocean region." An alphabetical index of fish names is provided.


G2860 K4 1968


Map Room
G2861 C7 E2 1970

Contains charts showing distribution of physical, chemical and
biological oceanographic properties and associated meteorological properties observed during the international investigation of the eastern tropical Pacific Ocean, EASTROPAC. The study was undertaken to help provide data for better use of marine resources, especially tropical tunas.


   Map Room
   G5701s C3 1,500/15

   Scale: 1:1,500,000 66.5x90.5 cm.

110 **Marine atlas of the Pacific coastal waters of South America.** Merritt R. Stevenson, Oscar Guillen G. and Jose Santoro de Ycaca. Berkeley, Univ. of Calif. Pr., 1970.

   Map Room
   G1701 S7 1970

   Includes: Pt. 1: text describing “seasonal fluctuations in the Pacific coastal waters of South America”; Pt. 2: maps and charts illustrating station positions, temperature, salinity, density, oxygen, surface circulation and surface winds and barometric pressure. Surface, horizontal and vertical sections are included using a different color for each of the seven categories listed above.


   Map Room Spec. Coll. Dept.
   G1200 U57 1970 2d copy

   This atlas of 765 maps representing “physical features, historical evolution, economic activities, socio-cultural conditions, administrative subdivisions, and place in world affairs” is the result of many years of work, initial planning having begun in the early 1950’s. Thematic maps or special subject maps are included for water, p.117-128:

   - Water resources (text)
   - Surface water — Runoff
     - Usable capacity of reservoirs
   - Floods and droughts
   - Ground water — Productive aquifers and withdrawals from wells
   - Minerals in water — Concentrations in surface and ground waters
Water impurities — Chemical types
Sediment concentration
Water use — Public supply, irrigation, fuel-electric power
generation, other industrial
Water resources (Alaska)

112 Oceanographic atlas of the International Indian Ocean Expedition. 
Klaus Wyrtki. With the assistance of Edward B. Bennett and 

Map Room
G2851 C7 W9 1971

Illustrated description of the structure and circulation of the 
Indian Ocean.

113 Oceanographic atlas of the Pacific Ocean. Richard A. Barkley. 
Honolulu, Univ. of Hawaii Pr., 1968.

Map Room
G2861 C7 B3 1968

Presents results of more than 50 years of research on the Pacific 
Ocean especially emphasizing the “uppermost” mile of water, 
which contains the richest resources.

114 Serial atlas of the marine environment. American Geographical 
Society of New York. N.Y., 1962- Folio 1-

Map Room
G1046 C7 A4

Presents results of American research on the physical 
oceanographic environment and the distribution of different 
animal species. The area emphasized is the continental shelf area 
of the North Atlantic and Arctic basins:

1. Sea surface temperature regime in the Western North 

2. North Atlantic temperatures at a depth of 200 meters. 

3. A geographic study of the clam, Spisula polynyma 
(Stimpson) J. Lockwood Chamberlin and Franklin Stearns. 
1963.

4. Surface water types of the North Sea and their 
characteristics. Taivo Laevastu. 1963.

5. North American sea stars (Echinodermata; Asteroidea) 
from Alaska to the Strait of Belle Isle. Edward H. Grainger. 
1964.


The maps cover all 50 states, American Samoa, Guam, Puerto Rico, and the Virgin Islands. The scales vary.

Contains 122 maps which provide an account of water resources in the United States. Thirty-six maps deal with Alaska and Hawaii. Topics covered include: “water pollution and quality, water conservation, water law, and water-based recreation.” All maps are drawn to the same scale (4cm.=400 mi.). Text description is provided for each map. Some maps were developed by the authors and others taken from government and private sources. Access is through the table of contents.

Map Room

Scale: 1:3,168,000 48x65 in.

Ref G1046 J1 W6
v.1: Europe, USSR, Asia Minor. 1969.
Each volume contains a general section followed by information about each country: physical environment and communications, population, exploitation of resources, ownership and land tenure, land utilization, crops and animal husbandry, agricultural economy, bibliography. Maps and statistical charts are included.

Outstanding colored maps are arranged by continent and then by region. They show the principal land use:

1. Arable land
2. Rice field
3. Meadow and permanent grassland
4. Coffee plantations
5. Tea plantations
6. Agave plantations
7. Spice plantations
8. Fruit-trees, vineyards, bushes and orchard land
9. Sugar cane plantations
10. Market gardens, gardens, nursery gardens
11. Rubber plantations
12. Woods and forests
13. Virgin forest and jungles
14. Rough grazing land
15. Reindeer grazing
16. Nonagricultural land

Maps are 60x48 cm. some slightly wider; scale mostly 1:2,500,000 and 1:5,000,000.

MAPS — INDEXES


Indexes maps added to the collection of the American Geographical Society. Entries in the annual indexes with an asterisk indicate a map. This source serves to up-date the maps indexed by the following reference published in 1968.


Represents maps in one of the largest collections of "its kind in the western hemisphere." Arrangement is by subject and by geographical-political divisions. Within geographical divisions arrangement is chronological. The principal periodicals indexed are listed at the front of volume 1. Volume 10, p.368-429, includes the following water related headings:

- Water
- Water — movements
- Water — artesian
- Water — pollution
- Water — circulation
- Water — purification
- Water — composition
- Water — quality
- Water — controls
- Water — reservoirs
- Water — drainage
- Water — runoff
| Water – density  | Water – salinity  |
| Water – economy | Water – sheds     |
| Water – flood control | Water – supply |
| Water – floods   | Water – surface  |
| Water – gauges   | Water – table    |
| Water – geysers  | Water – temperature |
| Water – hardness | Water – underground |
| Water – line     | Water – utilization |
|                  | Water – wells    |

Other headings of interest: Drainage, Hydrogeology, Lakes, Rivers, Ocean, Power – water, and Waterworks.


Subject emphasis is the western half of North America including Mexico and Central America. The maps date from the 16th to the 20th century. For “water supply” one is referred to the names of cities, states, etc. with the sub-heading “water supply.”


“Selected bibliography of modern books and articles on maps and cartography. The geosciences are emphasized; bibliographic works on topographic mapping are largely omitted.” Classified arrangement is outlined in the table of contents.


Govt. Publ. Dept.

(I 19.14:date)


See table of contents section “Maps and Charts.” Index is provided in cumulated and annual volumes by author, subject, and geographic area. Supplemented monthly and annually.
Standards

AMERICAN PUBLIC HEALTH ASSOCIATION


AMERICAN SOCIETY FOR TESTING AND MATERIALS


Sections of interest:
Pt. 33, Index to ASTM Standards
Pt. 23, Water: Atmospheric analysis
This part includes standards and test methods approved by ASTM; areas covered are general properties, inorganic and organic constituents, radioactivity, bacteriological examination, and water treatment materials. A glossary of terms related to water is included.

AMERICAN WATER WORKS ASSOCIATION


The standards are also listed and revisions outlined in the
AWWA's Yearbook '73-'74 which is the main feature of the American Water Works Association, Journal September 1973, pt.2, see p. WSL 16-WSL 18. Individual standards may be purchased separately; prices and order information are given. For many standards reference is made to the first approved standard and place of its publication along with date of most recent revision. Many of the standards were first published in the Journal from v.1-1914.

GOVERNMENTAL AGENCY — U.S. Federal Government


Govt. Publ. Dept.
(EP2.8:D83)

This report supersedes the "Manual of recommended water sanitation practice," published in 1946, long a standard reference. The report is designed to help officials determine whether or not public drinking water satisfies modern health requirements. Included are:

"Sanitary survey and water treatment requirements"
"Recommended sanitary requirements for water source protection and treatment"
"Recommended sanitary requirements for water distribution systems"

References are included along with an appendix of excerpts from the U.S. Public Health Service drinking water standards.


Govt. Publ. Dept.
(FS2.6:W29/962)

Contents: Definition of terms, Source and protection, Bacteriological quality, Physical characteristics, Chemical characteristics, Radioactivity, Recommended analytical methods, Barium, and Appendix including data on chemicals in water.

132 Water quality criteria, report of the National Technical Advisory Committee (on Water Quality Criteria) to Secretary of the

Govt. Publ. Dept.

(I67.2:W29³)

Covers “minimum water quality criteria, or numerical specifications of physical, chemical, temperature, and biological levels.” This information obtained from introduction page of no. 133, Mercury section, below.

GOVERNMENTAL AGENCY – U.S. Federal and State

133 Water quality standards criteria digest, a compilation of Federal/State criteria. U.S. Environmental Protection Agency. Wash., D.C., GPO, 1972-

Among sections published are:

Antidegradation. 1972.  MC 73:28845
Bacteria. 1972.  (EP1.29:B13)
Mercury and heavy metals. 1972. (EP1.2:M53)

For further publications in this series see indexes to the Monthly Catalog, no. 169 of this bibliography.

GOVERNMENTAL AGENCY – U.S., State and Regional


(5-W32.5:3-A)

This publication is “primarily a survey and evaluation of the literature and a compendium of data on water quality criteria.” The appendixes at the end do include some standards for various states and regions:

Appendix D. Classifications and standards of quality and purity (for New York).
Appendix E. Classifications and water quality standards for North Carolina.
Appendix J. Utah Water Pollution Control Board – The standards of quality and the regulations for water classification.
Appendix O. Minimum water quality criteria for streams in the Potomac River Basin.

Appendix Q. U.S. Public Health Service — Recommended sanitary requirements for water treatment systems.

Chapter III covers “Water quality criteria promulgated by State and Interstate agencies” including historical background, types and significance of criteria for water pollution control, Federal attitude toward criteria, a state by state account of agencies responsible and actions in this area, and a listing of interstate agencies. Chapter VI: “Potential pollutants,” chapter VII: “Biological pollutants,” and chapter IX: “Pesticides” list information alphabetically by chemical name, etc. giving handbook type description. Other sections include: Quality criteria for the major beneficial uses of water, Radioactivity, and Surface active agents. No detailed subject index. Tables, figures and appendixes are outlined in the table of contents.

See also:

135 Water quality standards summary (for various states)
Govt. Publ. Dept.
(EP1.29:CT)
non-depository

GOVERNMENTAL AGENCY — International

Govt. Publ. Dept.
Foreign Doc. Room
(WHO-2:In83-971)

Standards for drinking water at international ports.

SEE ALSO:

Federal statutes dealing with water quality, for example:

137 Federal Water Pollution Control Act. 1948.
Govt. Publ. Dept.
(62 Stat. 1155)

In 1956 this act was extended and strengthened in:
(70 Stat. 498)

Sets forth procedures for revising and upgrading water quality standards.
Govt. Publ. Dept.
(EP1.8:W29/97)

139 National water quality basic data program of the U.S. Public Health Service. R.C. Palange and S. Megregian. American Society of Civil Engineers, Proceedings (J. of the Sanitary Engineering Div.) v.84, #SA2, p.1601-1 to 6 (April 1958)
This paper outlines the long-range basic data collection program of the U.S. Public Health Service, including what information will be collected and how it will be collected, analyzed and disseminated.

MC 73:20209
non-depository microprint

141 Standard handbook for civil engineers. 1968. Sect. 21, p.91-4
Quality standards for water. Ref TA151 S8
INDEXING AND ABSTRACTING SERVICES

142 Abstracts of North American Geology

Wash., D.C., GPO. U.S. Dept. of the Interior, Geological Survey. Monthly; arranged alphabetically by author with subject index; includes "abstracts of technical papers and books and also citations of maps on the geology of North America including Greenland, the West Indies," Guam and other island possessions of the U.S. General articles by North American authors are cited even if published in foreign journals; however, foreign authors are cited only if published in North American journals. Cumulated volumes entitled, Bibliography of North American Geology, are available for the following periods: 1929-1939 (1v.), 1940-1949 (2v.), 1950-1959 (4v.); annual volumes available for 1960-1970. Both titles are shelved together in the Govt. Publ. Dept.

143 Abstracts of Recent Published Material on Soil and Water Conservation

Wash., D.C., GPO. U.S. Dept. of Agriculture, Agricultural Research Service. Irregular; classified arrangement with author index; detailed table of contents offers subject approach. These abstracts cover watershed management, water management, basic soil problems, erosion control, soil management, plant management, economic and social problems, soil surveys.

Agricultural Index see Biological and Agricultural Index, no. 153

144 American Society of Civil Engineers. Cumulative Index to ASCE Publications

Ref TA1 A58 A51
Indexes are by subject and author.

First volume covers:
- Its Proceedings v.76-85, 1950-59
- Its Transactions v.100-124, 1935-59
- Civil Engineering v.1-29, 1930-59

Second volume covers:
- Its Journals (Proceedings) v.86-95, 1960-69
- Its Transactions v.125-134, 1960-69
- Civil Engineering v.30-39, 1960-69

Indexes to the Transactions for v.1-99, 1867-1934 are available also.

145 American Society of Civil Engineers. ASCE Publications Abstracts
   v.1- 1966-
   N.Y., American Society of Civil Engineers.
   Bimonthly; annotated bibliography with author and subject indexes, covering the ASCE journals and their Civil Engineering. The tables of contents are also included for the issues of the periodicals covered.

146 Applied Science and Technology Index
   1958-
   N.Y., H.W. Wilson Co.
   Monthly (except July) cumulated subject index to English language periodicals. Formerly the Industrial Arts Index 1913-1957. Cumulated annually.

147 Aquatic Sciences and Fisheries Abstracts
   v. 1- 1971-
   London, Information Retrieval Ltd.
   Monthly; classified arrangement with geographical, taxonomic, author and subject indexes; the indexes are cumulated annually. The bibliography is compiled by the Food and Agriculture Organization of the UN with the assistance of Institut fur Dokumentationswesen, Frankfurt; Bundesforschungsanstalt fur Fischerei, Hamburg; INRA, Dept. d'Hydrobiologie, Biarritz; and Information Retrieval Ltd. Some 3,000 journals are covered as well as books, reports and conference papers. The main emphasis is on biology. Sections of interest:
   - Physical and chemical oceanography
   - Physical and chemical limnology
Ecology
Pollution

This bibliography is a continuation of both Current Bibliography for Aquatic Sciences and Fisheries and Aquatic Biology Abstracts.

148 Bibliography and Index of Geology v.1-1933-
Ref Z6031 G4
Boulder, Colorado, Geological Society of America in cooperation with the American Geological Institute.
Monthly; classified and annotated bibliography with subject and author indexes. The annual cumulations contain all entries alphabetically arranged by author, without abstracts, followed by subject index. Up to 1968 excluded North America. (Formerly titled Bibliography of Geology Exclusive of North America from v.1-32, 1933-1968.)

149 Bibliography of Agriculture v.1-1942-
N.Y., CCM Information Corp.
Monthly; index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Published by the U.S. Dept. of Agriculture, 1942-69. Classified arrangement with subject, geographic, author and corporate author indexes; indexes cumulated each year. Coverage includes journal articles, pamphlets, government documents, reports and conference proceedings. Sections of interest:
Water resources management
General natural resources and environmental pollution

Bibliography of Geology Exclusive of North America see Bibliography and Index of Geology no. 148 above

150 Bibliography of North American Geology 1929-
Entries are arranged alphabetically by author with subject index. The following volumes are available: 1929-1939 (1v.); 1940-1949 (2v.); 1950-1959 (4v.); 1960-1970 (annual volumes). See also no. 142 of this bibliography.

151 Bibliography of Soil Science, Fertilizers and General Agronomy v.1-1935-
Ref Z5073 C76
Farnham Royal, Bucks, England, Commonwealth Agricultural Bureaux.
Published periodically; classified bibliography, not annotated, with a list of periodicals giving abbreviation and full title with place of publication; author and subject index at the end. This bibliography serves as a cumulated index to material covered by Soils and Fertilizers. (v.1: 1913-1934 publ. 1935; v.2: 1934-1937 publ. 1938; v.3: 1937-1940 publ. 1941; v.5: 1944-1947 publ. 1948; v.8: 1953-1956 publ. 1957; v.9: 1956-1959 publ. 1960; v.10: 1959-1962 publ. 1963. Univ. of Connecticut Library collection)

152 Biological Abstracts, reports the world's biosciences research v.1-1927.
Semimonthly; classified and annotated bibliography with author, biosystematic, generic, cross and keyword subject indexes. Indexes are cumulated twice a year. Covers journal articles, books, reports, conference and symposium papers.

153 Biological and Agricultural Index 1916-
N.Y., H.W. Wilson Co.
Monthly (except August) cumulated subject index to a selected list of English language periodicals. Cumulated annually. (Formerly entitled the Agricultural Index through August, 1964.)

154 Business Periodicals Index 1958-
N.Y., H.W. Wilson Co.
Monthly (except August) subject index; cumulated periodically; covers selected English language periodicals in the fields of accounting, advertising and public relations, automation, banking, communications, economics, finance and investments, insurance, labor, management, marketing, taxation, and specific businesses, industries, and trades. Subject headings for example:

- Detergent pollution of water
- Fishes, effect of water pollution
- Mercury pollution of water
- Oil pollution of rivers, harbors, etc.
- Petroleum waste
- Water
- Water, bottled
- Water, underground
- Water companies
- Water conditioning equipment
Pollution & pollution control  Water cooling
industries  Water pollution
Ponds  Water purification
Reservoirs underground  Water resources
Saline water conversion  development
Sewage disposal  Water rights
Tidal power  Water supply

Formerly entitled Industrial Arts Index 1913-1957.

155  Chemical Abstracts key to the world's chemical literature  
     v.1-1907-

Columbus, Ohio, American Chemical Society, Chemical Abstracts Service. 
Weekly; classified arrangement with keyword subject index, numerical patent index, patent concordance and author index; cumulated indexes including a formula index published twice a year; collective indexes available for the following periods of time: 1907-1916; 1917-1926; 1927-1936; 1937-1946; 1947-1956; 1957-1961; 1962-1966; 1967-1971. Presently the bibliography appears in 80 sections: 1-20 biochemistry; 21-34 organic chemistry; 35-46 macromolecular chemistry; 47-64 applied chemistry and chemical engineering; 65-80 physical and analytical chemistry. Sections most pertinent:

60: Sewage and wastes
61: Water

The emphasis is on water chemistry, quality of drinking water and industrial water, treatment of sewage and effluents, and sea water desalination.

156  Congressional Quarterly. Weekly Report  
     1945-

Wash., D.C., Congressional Quarterly Inc. 
Weekly coverage of U.S. Congressional activities. Indexes are provided every 90 days and annually. In addition to a subject index there are also indexes to presidential texts, fact sheets and special reports, Senate and House roll-call votes, and vote corrections.

157  Current Bibliography for Aquatic Sciences and Fisheries  

Continued by Aquatic Sciences and Fisheries Abstracts, no. 147 of this bibliography.
158 **Current Contents**

Current volumes only retained

Philadelphia, Pa., Institute for Scientific Information.
Weekly; reproductions of the tables of contents of selected journals with an author index at the end. Series of interest:

- Current Contents — Agriculture, Biology & Environmental Sciences
- Current Contents — Engineering and Technology
- Current Contents — Life Sciences
- Current Contents — Physical and Chemical Sciences

Journal issues covered in each weekly issue are outlined in the front; cumulated indexes of journal issues covered are provided periodically.

159 **Current Geographical Publications** v.1- 1938-

N.Y., American Geographical Society.

Ten issues per year; represents additions to the Research Catalog of the American Geographical Society and includes references to books, pamphlets, government documents, periodical articles and maps in the collection of the Society’s Library. The arrangement is by the classification scheme used by the Society in its Research Catalog. Individual issues have no separate indexes, but the table of contents facilitates their use. A subject index with cumulated author and regional indexes is published annually. Sections of interest:

4: Physical geography
- Soil erosion and conservation
- Work of flowing surface water
- River valleys
- Work of subterranean water
- Speleology
- Karst
- Work of (orin) standing water
- Shore lines
- Ice sheets; glaciers; ground ice and its work

44: Waters of the lands
- Rivers; potomology
- Floods
- Lakes, limnology
- Subterranean waters, including ground water
- Springs, hot springs, geysers, etc.
- Water pollution
45: Oceanography
   Sea floor
   Movement of sea water
   Marine biology

53: Economic geography
   Natural resources and industries based on them
   Conservation of natural resources
   Land utilization
   Comprehensive regional surveys; regional planning
   Reserves, parks
   Use of land for recreational purposes, tourism
   Products of oceans, rivers and lakes; fisheries
   Whaling

160 Deep-sea Research Oceanographic Abstracts and Oceanographic Bibliography Section
   v.9- 1962-
   Bimonthly; classified bibliography; annual author index provided but no annual subject index. Covers journal articles, reports, conference papers and books. (Vols. 1-8, entitled Deep Sea Research, did not contain an abstracts or bibliography section.)

   Part 1. Oceanographic Bibliography, classified as follows:
   Physical oceanography
   Chemical oceanography
   Submarine geology and geophysics
   Marine meteorology
   Biological oceanography
   General – this section includes bibliographies, meetings, glossaries, encyclopaedias, etc.

   Oceanographic Abstracts
   Contains abstracts arranged alphabetically by author for the items in Part 1. Oceanographic Bibliography.

   Part 2. Similar to Part 1. except that it contains references received at a later date by the editorial office.

161 Engineering Index
   v.1- 1906-
   N.Y., Engineering Index Inc.
   Monthly; annotated bibliography, classified arrangement with author index; cumulated annually. Important for its comprehensive and international coverage. Covers journal articles, books,
reports, standards and conference papers. Selected subject headings:

Rain and rainfall — cloud seeding
Reservoirs
Soils — conservation
Water analysis
Water bacteriology
Water pollution
Water resources
Water supply
Water treatment
Watersheds

Environment Index see Environment Abstracts below

162 Environment Abstracts v.1- 1971-

N.Y., Environment Information Center, Inc.

Semimonthly (except monthly in July and August) abstracting and indexing service covering published and nonprint materials on environmental pollution, conservation and related fields; each issue contains an "Issue Alert" section which is a "guide to significant information appearing" in each issue. The bibliographic section is classified by subject with subject, industry, and author indexes. Important environmental entries from the "Federal Register" are included, with a chronological list of conferences. Subjects of interest from "main entry" section:

Chemical and biological contamination
Environmental education
Environmental design
General
Land use and misuse
Non-renewable resources
Oceans and estuaries
Radiological contamination
Renewable resources — treatment
Renewable resources — water
Water pollution
Weather modification
Wildlife

Cumulated annual indexes for 1971- are entitled the Environment Index. In addition to cumulating references (without abstracts), subject, industry, and author indexes the
Environment Index contains the following sections: review of the year’s events, survey of legislation, list of major conferences, directory of control officials, environmental patents, books, films. Formerly entitled Environment Information Access.

163 Eutrophication, a bimonthly summary of current literature
no. 1- March 1969-
Madison, Wisconsin, Univ. of Wisconsin, Water Resources Center.
Bimonthly; annotated bibliography classified into the following areas:
- General
- Limnological studies
- Physical properties and characteristics of lakes
- Chemical parameters
- Biological indices
- Models of aquatic ecosystems
- Technological controls
- Institutional controls and management programs

Monthly; classified bibliography with author index; annual author and subject indexes. Covers geology, solid earth geophysics and related areas with an emphasis on North America. The subject approach is complicated by the use of UNIDEK, an approach to the subjects covered by a numerical system which must be consulted first in order to get the appropriate number for a given topic.

165 Government Reports Announcements v.1- 1940- title varies
Semimonthly; classified bibliography including abstracts; covers government sponsored research in science, technology, business and economics. These reports are made available through The
National Technical Information Service in microfiche or printed form. Subject fields of interest:

2. Agriculture  
4. Atmospheric sciences  
6. Biological and medical sciences  
7. Chemistry  
8. Earth sciences and oceanography  
13. Mechanical, industrial, civil, and marine engineering

Until 1965, when Government Reports Index began publication, indexes were provided within the bibliography.

166 Government Reports Index v.1-1965-  
Semi-monthly; index to the Government Reports Announcements; indexes are for corporate author, subject, personal author, contract/grant number, and accession/report number; titles are included in subject index to facilitate searching. Cumulated annually.

167 Industrial Arts Index 1913-1957.  
N.Y., H.W. Wilson Co.  
Subject index; continued by the Applied Science and Technology Index and the Business Periodicals Index.

Meteorological Abstracts see Meteorological and Geoastrophysical Abstracts below

168 Meteorological and Geoastrophysical Abstracts v.1-1950-  
Boston, Mass., American Meteorological Society.  
Monthly; classified bibliography with author, subject and geographical indexes. Covers periodical articles, books, reports, theses, conferences and conference papers, maps, atlases, and data compilations. Formerly entitled Meteorological Abstracts from 1950-1963. Sections:

A – Environmental sciences  
B – Meteorology  
C – Astrophysics  
D – Hydrosphere/hydrology  
E – Glaciology  
F – Physical Oceanography  

54
Selection of bibliographies which have been included in this publication:

- Dew v.3,#4 (1952)  Limnology v.12,#3 (1961)
- Frost v.4,#3 (1953)  Ocean waves & currents v.15,#5 (1964)
- Hail v.1,#4 (1950)  Precipitation v.10, suppl.2 (1959)
- Icing v.1,#9 (1950)  Soil moisture v.10,#3 (1959)

169 Monthly Catalog of United States Government Publications
1928-
Wash., D.C., GPO.
Monthly; index to all Government Printing Office publications, arranged by agency and department with indexes for subject, author and title. The indexing is cumulated annually. Indexes are available to U.S. government publications going back to 1774. The Monthly Catalog is extremely important for searching the literature on water resources.

170 Monthly Checklist of State Publications
v.1-1910-
Wash., D.C., GPO. U.S. Library of Congress.
Monthly; arranged alphabetically by state and then by department or agency; an annual index by subject and state. Valuable for its coverage of Agricultural and Engineering Experiment Station publications and Water Resources Research Institute publications.

171 Oceanic Abstracts
v.1-1964- title varies
La Jolla, Calif., Pollution Abstracts Inc.
Published six times per year; classified, annotated bibliography covering all aspects of oceanic research. Each issue contains a "keytalpha index," key word subject index and an author index; cumulated indexes are available as follows: v.1-4, '64-67 (subject); v.1-3, '64-66 (author); v.5-8, '68-71 (subject and author); v.9, 1972, entitled Oceanic Abstracts, Year End Index. Each issue also contains a "calendar of events," list of abbreviations, prefixes and symbols, and a list of acronyms. Serial publications, special publications and books are listed in each issue with the "master list" appearing in issue no. 1 for each year. Formerly entitled the Oceanic Index and the Oceanic Citation Journal. Present subject outline:
- Biology/Fisheries
- Geology/Meteorology/Oceanography
- Acoustics/Optics/Positioning/Remote sensing
Oceanic Index see Oceanic Abstracts above

172 Oceanographic Index, Author Cumulation
      1946-1970
      Ref Z6004 P6 S434
      Three volume author index to periodical articles in the collection of the Marine Biological Laboratory Library at Woods Hole, Mass. Compiled by Dr. Mary Sears of the Woods Hole Oceanographic Institution. Literature is covered back to the turn of the century or earlier. This index serves as a supplement to the Catalog of the Marine Biological Laboratory, see no. 199.

173 Oceanographic Index, Regional Cumulation
      1946-1970
      Ref Z6004 P6 S436
      One volume regional index to periodical articles in the collection of the Marine Biological Laboratory Library at Woods Hole, Mass. Compiled by Dr. Mary Sears. See above reference for further comments.

174 Oceanographic Index, Subject Cumulation
      1946-1971
      Ref Z6004 P6 S44
      Boston, G.K. Hall, 1972.
      Four volume subject index to periodical articles in the collection of the Marine Biological Laboratory Library at Woods Hole, Mass. See no. 172 for further comments.

      Silver Springs, Md., Network Information Services, Inc. (from 1965-69 published by U.S. Dept. of Agriculture, National Agricultural Library)
      Monthly; classified bibliography with emphasis on the "toxicological, physiological and epidemiological aspects of pests and their control by chemical, biological and integrated methods." Each issue has subject, author and organizational
indexes; cumulated indexes by author and subject are available through 1969. Subject outline:

- Entomology
- Crop protection
- Livestock protection
- Commodity protection
- Environmental contamination
- Residues
- Toxicology
- Plant physiology and biochemistry
- Chemistry
- Engineering
- Industry

176 Pollution Abstracts v.1- May 1970-

La Jolla, Calif., Pollution Abstracts Inc.

Bi-monthly; classified bibliography with author and “key-talpha,” key word subject, indexes. The abstracts are grouped into a “non-technical” and a “technical” section:

<table>
<thead>
<tr>
<th>Non-technical</th>
<th>Technical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air pollution</td>
<td>Air pollution</td>
</tr>
<tr>
<td>Water pollution</td>
<td>Fresh water pollution</td>
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<tr>
<td>Land pollution</td>
<td>Marine pollution</td>
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<tr>
<td>General pollution</td>
<td>Land pollution</td>
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<td>Noise pollution</td>
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<tr>
<td></td>
<td>Sewage and waste treatment</td>
</tr>
<tr>
<td></td>
<td>General pollution</td>
</tr>
<tr>
<td></td>
<td>Contracts (topic, awardee, amount, date, subj. area of other contracts held by awardee)</td>
</tr>
<tr>
<td></td>
<td>Patents</td>
</tr>
</tbody>
</table>

Each issue contains a “calendar of events,” abbreviations, prefixes and symbols, and acronyms. A “master list” of serial publications, special publications and books appears in the first issue each year. Coverage is of all types of publication formats. Cumulated index available for 1970-71.

177 Public Affairs Information Service Bulletin v.1- 1915-

N.Y., Public Affairs Information Service, Inc.

Weekly; subject index to journal articles, books, pamphlets,
government documents, etc. with an emphasis on economic and statistical aspects of public affairs. The index is cumulated quarterly and annually. Subject headings of interest:

- Water pollution
- Water resources development
- Water research
- Water supply
- Watersheds

178 Science Citation Index 1964-
Philadelphia, Pa., Institute for Scientific Information.
Quarterly; calendar year index consisting of subject index, source index (personal and corporate author), and a citation index. The fourth quarterly issue is the annual cumulation. A five year cumulated source and citation index is available for 1965-69. This index is especially good for cross-disciplinary topics. Some fields covered: agriculture, biology, chemistry, ecology, fisheries, forestry, geology, geoscience and earth science, limnology, marine biology, meteorology, oceanography, physics, soil science, zoology. The indexing of footnotes, from journal articles covered by Science Citation Index, results in the “citation index” which enables one to learn whether or not a given reference is being used by researchers subsequent to its original publication. In this way a bibliography of references related to the original paper can be obtained very quickly. There is also a “patent citation index” listing domestic and foreign patents which are being cited in journals covered by Science Citation Index.

179 Selected References on Environmental Quality as it Relates to Health v.1- May 1970-
Wash., D.C., GPO. National Library of Medicine (MEDLARS)
Monthly; subject and author index to selected articles from 2,200 journals in the biomedical field. Emphasis is on hazards to vertebrates and the insect carriers of disease. Articles on air and water pollution are listed under general rather than specific headings. No cumulated indexing available. Subject headings of interest:

- Environment
- Environmental exposure
- Environmental pollution
- Marine biology
180 Selected Water Resources Abstracts v.1-1968-
Semimonthly; classified bibliography containing abstracts with subject, author, organization and accession number indexes; indexes are cumulated annually. Coverage includes books, journal articles, reports, and other types of publications dealing primarily with the "water related aspects of the life, physical and social sciences as well as related engineering and legal aspects of the characteristics, conservation, control, use or management of water." This service is valuable for the input from the 51 Water Resources Research Institutes which were established under the Water Resources Research Act of 1964, from the grantees and contractors of the Office of Water Resources Research and other Federal water resources agencies, from "centers of competence," which have active programs of water resources research, and from established indexing and abstracting services. This is the most valuable bibliography for water resources since 1968. Subject outline:

- Nature of water
- Water cycle
- Water supply augmentation and conservation
- Water quantity management and control
- Water quality management and protection
- Water resources planning
- Resources data
- Engineering works
- Manpower, grants, and facilities
- Scientific and technical information

181 Soils and Fertilizers v.1-1938-
Farnham Royal, Bucks, England, Commonwealth Agricultural Bureaux.
Published six times per year; classified and annotated bibliography with author index. Annual cumulated author and
subject index. Includes periodically a list of bibliographies available from the Commonwealth Agricultural Bureaux; also includes a section of books; international in scope. Sections of interest:

8: Botany, ecology
7: Climate, geography, geology
26: Reclamation and conservation, drainage, irrigation
17: Soil mapping and survey, land classification

For cumulated indexing see *Bibliography of Soil Science, Fertilizers and General Agronomy*, Ref Z5073 C76, no. 151 of this bibliography.

182 Sport Fisheries Abstracts
v.1- 1955-
Quarterly; annotated bibliography with author and subject indexes; indexes are cumulated in the last number of each volume, which also contains a list of publications screened. Emphasis is on research and management but “articles on limnology, ecology, natural history and other fields are included when applicable to the conservation and management of sport fishery resources.” There is a cumulated index for v.11-15 by author and subject.

183 Water Pollution Abstracts
Monthly; classified bibliography with abstracts prepared by the Water Pollution Research staff of the Department of the Environment. Annual author and subject indexes are provided.
Coverage includes books, journal articles, reports, and conference papers. Classified sections include:

- Conservation
- Analysis and examination of water and wastes
- Sewage
- Trade waste waters
- Effects of pollution

Valuable for its international coverage; oldest English language abstracting service emphasizing water pollution.

184 Wildlife Abstracts
1935-51; 1952-55; 1956-60
"A bibliography and index of the abstracts in *Wildlife Review.*" Classified arrangement, not annotated, with author and subject indexes.

185 **Wildlife Review**, an abstracting service for wildlife management  
v.1-1935-  
Quarterly; classified and annotated bibliography of journal articles with author index. For cumulated indexing covering 1935-1960 see above reference, *Wildlife Abstracts*. Subject areas of interest:

- General conservation
- Wildlife
  - Natural areas and refuges
- Pollution
- Management and ecology of habitats and animals  
  - Wetland & wildlife
  - Forest & ecology
- Mammals
- Birds
- Reptiles & rodents

186 **World Agricultural Economics and Rural Sociology Abstracts**  
v.1-1959-  
Quarterly; classified and annotated bibliography with author, subject and geographic indexes. Indexes cumulated annually. Starting with v.15, 1973, the geographical indexes have been eliminated in each issue. Valuable for its international coverage. One can quickly scan for region by looking in subject index under water resources, water resources development, water resources distribution, water utilization, pollution, water. Subject sections covered (detail included when related to water resources research):

- Agricultural economics
- Agricultural policy
- Land policy
  - Use and conservation
- Survey and census methods
- Location and regional policy
Structural policy
Infrastructure policy
Supply, demand and prices
Marketing and distribution
International trade
Finance and credit
Economics of production
Land
Improvement, irrigation, etc.
Cooperatives and collectives
Education, extension and research
Rural sociology

187 World Fisheries Abstracts, a quarterly review of technical literature on fisheries and related industries
Publication ceased in 1972; fisheries material now included in Aquatic Sciences and Fisheries Abstracts (see no.147). The indexing consists of quarterly indexes by author and subject.

188 Zoological Record v.1-1864-
Annual bibliography published in sections for each class from protozoa to mammals with a section for general zoology also. Each section has a separate title page, table of contents and indexes. The references are arranged by author. The most recent volume, v.107, covering the literature of 1970 (for the most part) began publication in 1973. Periodical literature is emphasized.

BIBLIOGRAPHIES OF BIBLIOGRAPHIES
There are so many specialized bibliographies that only a sampling will be included here. In order to locate the most pertinent bibliography the following sources would be helpful:

Suppl. 1-3, 1968-72.
The 1967 volume contains bibliographies added to the collection of Western Mich. Univ. Document Library from May
Subject index to bibliographies included in both books and journals; currently a bibliography must have 50 references in order to be indexed.


By consulting the index for each volume under the subject heading "Bibliographies" one can scan the different bibliographies covered by subject and or key word.

193 Selected water resources abstracts. 1968- semimonthly, cumulated annually. Ref Room
By consulting the index for each volume under the subject heading "Bibliographies" one can scan the different bibliographies covered by subject and or key word.

The WRSIC series is a series of bibliographies produced under the computer-retrieval program of the Water Resources Scientific Information Center. These bibliographies are indexed by Selected Water Resources Abstracts, Government Reports Index and the Monthly Catalog of United States Government Publications.
Titles published to date: Govt. Publ. Dept.
Published in 1971
1. Phreatophytes (I 1.97: 71-200)
<table>
<thead>
<tr>
<th>Number</th>
<th>Topic</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>Strontium in water</td>
<td>71-201</td>
</tr>
<tr>
<td>3.</td>
<td>Trace elements in water</td>
<td>71-202</td>
</tr>
<tr>
<td>4.</td>
<td>Urbanization and sedimentation</td>
<td>71-203</td>
</tr>
<tr>
<td>5.</td>
<td>Copper in water</td>
<td>71-204</td>
</tr>
<tr>
<td>6.</td>
<td>Manganese in water</td>
<td>71-205</td>
</tr>
<tr>
<td>7.</td>
<td>Magnesium in water</td>
<td>71-206</td>
</tr>
<tr>
<td>8.</td>
<td>Zinc in water</td>
<td>71-208</td>
</tr>
<tr>
<td>9.</td>
<td>Arsenic and lead in water</td>
<td>71-209</td>
</tr>
<tr>
<td>10.</td>
<td>Institutional aspects of water resources development</td>
<td>71-210</td>
</tr>
<tr>
<td>11.</td>
<td>DDT in water</td>
<td>71-211</td>
</tr>
<tr>
<td>12.</td>
<td>Legal aspects of drainage in New England</td>
<td>71-212</td>
</tr>
<tr>
<td>13.</td>
<td>Legal aspects of water pollution in New England</td>
<td>71-213</td>
</tr>
<tr>
<td>14.</td>
<td>Detergents in water</td>
<td>71-214</td>
</tr>
<tr>
<td>15.</td>
<td>Dieldrin in water</td>
<td>72-202</td>
</tr>
<tr>
<td>16.</td>
<td>Aldrin and endrin in water</td>
<td>72-203</td>
</tr>
<tr>
<td>17.</td>
<td>Agricultural runoff</td>
<td>72-204</td>
</tr>
<tr>
<td>18.</td>
<td>Chromium in water</td>
<td>72-205</td>
</tr>
<tr>
<td>19.</td>
<td>Legal aspects of water pollution in Delaware, Maryland, and Virginia</td>
<td>72-206</td>
</tr>
<tr>
<td>20.</td>
<td>Mercury in water</td>
<td>72-207</td>
</tr>
<tr>
<td>21.</td>
<td>Soil nitrogen cycle</td>
<td>72-208</td>
</tr>
<tr>
<td>22.</td>
<td>Lake Erie</td>
<td>72-209</td>
</tr>
<tr>
<td>23.</td>
<td>Lake Huron</td>
<td>72-210</td>
</tr>
<tr>
<td>24.</td>
<td>Lake Michigan</td>
<td>72-211</td>
</tr>
<tr>
<td>25.</td>
<td>Lake Ontario</td>
<td>72-212</td>
</tr>
<tr>
<td>26.</td>
<td>Lake Superior</td>
<td>72-213</td>
</tr>
<tr>
<td>27.</td>
<td>Sanitary landfills</td>
<td>72-214</td>
</tr>
<tr>
<td>28.</td>
<td>Urban water planning</td>
<td>72-215</td>
</tr>
<tr>
<td>29.</td>
<td>Avalanches</td>
<td>72-216</td>
</tr>
<tr>
<td>30.</td>
<td>Legal aspects of water pollution in New Jersey and Pennsylvania</td>
<td>72-217</td>
</tr>
<tr>
<td>31.</td>
<td>A selected annotated bibliography on the analysis of water resource systems, Third Volume</td>
<td>72-218</td>
</tr>
<tr>
<td>32.</td>
<td>Subsurface water pollution.</td>
<td>72-219</td>
</tr>
<tr>
<td></td>
<td>See no. 258 of this bibliography</td>
<td></td>
</tr>
</tbody>
</table>

**Published in 1972**

<table>
<thead>
<tr>
<th>Number</th>
<th>Topic</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>33.</td>
<td>PCB in water</td>
<td>73-201</td>
</tr>
<tr>
<td>34.</td>
<td>Artificial recharge of groundwater</td>
<td>72-202</td>
</tr>
<tr>
<td>35.</td>
<td>Estuarine pollution</td>
<td>73-205</td>
</tr>
</tbody>
</table>
36. Aeration of natural waters 73-206
37. Oil spillage, 2v. 73-207
38. Phosphorus removal, 2v. 73-208
39. Cadmium in water 73-209
40. Aerial remote sensing 73-211
41. Weather modification: precipitation inducement 73-212
42. Irrigation efficiency 73-214
43. Water reuse, 2v. 73-215
44. Evaporation suppression 73-216
45. Use of naturally impaired water 73-217
46. A selected annotated bibliography on the analysis of water resource systems, Fourth Volume 73-218

Published in 1974

47. Ozone in water and waste water treatment 74-204

LIBRARY CATALOGS

The following library catalogs represent comprehensive collections of materials for a given subject field. In addition to books, conferences, symposia, reports, pamphlets, serials, etc. key periodical articles are often included.

Ref Z7935 C32


This bibliography includes publications of the Water Resources Research Institutes, reports of municipal, state, and federal agencies, other agencies, other reports, conferences and symposia, etc.

Ref Z881 U467 date

Supplemented by:


Supplemented by:


Classified bibliography with personal author, corporate author, title and subject indexes. The indexes are cumulated twice a year.


References are alphabetically arranged by ship or expedition name.


"Author catalog covering 12,000 books and monographs, 138 expeditions, and nearly 300,000 journal articles." Volume 12 is a "Journal catalog."

Although not a library catalog the following bibliography is so important that it deserves a separate mention:


Govt. Publ. Dept.
(I 19.14:879-961)

(I 19.14:962-970)
Arrangement is by series with author, subject, and geographic indexes. Supplemented by:

  Author, subject, and geographic indexes.
  Supplemented by:
  (I 19.14/4: publ. no.)
  No indexes.

SPECIALIZED BIBLIOGRAPHIES

**Desalination**

  Govt. Publ. Dept.
  (I 1.88:552)

  Govt. Publ. Dept.
  (I 1.88:146)

**Drainage**

  Govt. Publ. Dept.
  (A17.17:91)

See also: no. 194 (12,17) of this bibliography.

**Drought**

  MC 71:15913
  non-depository microprint

**Environment**

205 **Environmental pollution, selective bibliography, information for business and industry.** Clearinghouse for Federal Scientific and

non-depository microprint


non-depository microprint


Estuary


Govt. Publ. Dept.
(I 49.15/2:507)

See also: no. 194 (35) of this bibliography.

Evaporation


Govt. Publ. Dept.
(Al.38:1234)

(I 19.16:272-C)


Govt. Publ. Dept.
(I 19.13:1539R)

Covers Water-supply papers from 1800-1958.

See also: no. 194 (44) of this bibliography.

Fisheries

212 Annotated bibliography on Far Eastern aquatic fauna, flora and


Govt. Publ. Dept.
(C55.13:NMFS SSRF-640)


Govt. Publ. Dept.
(I49.15/2 no.591)


Govt. Publ. Dept.
(I49.27:111)

Fluoridation

216 Fluoridation bibliography; referendums, public participation in decision-making and methodologies for attitude perception studies. Bruce Mitchell. Monticello, Ill, Council of Planning Librarians, 1972. (CPL exchange bibl. no. 268)

Ref Z5942 C68 no.268

Ground Water


Govt. Publ. Dept.
(I 19.13:1477)


Govt. Publ. Dept.
(I 19.13:1990)

219 Bibliography and index of publications relating to ground water prepared by the Geological Survey and cooperating agencies.

69
220 Bibliography of publications relating to ground water prepared by
the Geological Survey and cooperating agencies, 1946-55.
Wash., D.C., GPO, 1957. (U.S. Geological Survey water-supply
paper 1492)
Govt. Publ. Dept.
(I 19.13:1492)

221 Ground water; a selected bibliography. Compiled and edited by
Frits Van der Leeden. Port Washington, N.Y., Water
Information Center, 1971. Ref Z7935 V35
References are arranged under 32 topics including general
bibliographies and key journals.

222 Groundwater in permafrost regions -- an annotated bibliography.
paper 1792)
Govt. Publ. Dept.
(I 19.13:1792)

223 Ground water pollution, a bibliography. W.K. Summers and Z.
1974. Ref Z5862.2 W3 S9

224 Selected bibliography on laboratory and field methods in
ground-water hydrology. A.I. Johnson. U.S. Dept. of the
Geological Survey water-supply paper 1779-Z)
Govt. Publ. Dept.
(I 19.13:1779-Z)

225 Selected references on saline ground-water resources of the United
circular no.499) MC 66:2093
non-depository microprint
See also: no. 194 (34) of this bibliography.

226 Annotated bibliography of economic geology. Urbana, Ill.
Ref Z6033 E4 A2
Classified bibliography of geological articles with author and subject indexes. Covers “metallic and non metallic deposits (including petroleum and gas), hydrology, engineering geology, soils (in so far as related to geology), and on all subjects that have any bearing on economic and applied geology.” Sections most pertinent: Water supply, Water resources, Ground water, Miscellaneous.


This bibliography represents the first in an annual series. Previous bibliographies on U.S. hydrology are listed on p.vi. A list of pertinent serial titles is provided on p.vii-xvi.

Ref Z5853 H9 K6


Irrigation

See also: no. 194 (42) of this bibliography.
**Law**


See also: no. 194 (12,13,19,30) of this bibliography.

**Limnology**

236 **Bibliography on limnology.** Andrew Meglis. In: Meteorological and geoastrophysical abstracts v.12,#3:559-619 (1961)


See also: no. 194 (22-26) of this bibliography.

**Oceanography**

239 **Aquatic biology and oceanography; a selected list of books.** Paul T.

72


243 Oceanography in print; a selected list of educational resources. Lynn Forbes. Falmouth, Mass., Oceanographic Education Center, 1968. Ref Z6004 P6 F64


245 Rhode Island marine bibliography. Marine Advisory Service, National Sea Grant Depository, Coastal Resources Center, Narragansett Bay Campus, Univ. of Rhode Island. Narragansett, R.I., 1972. (Univ. of Rhode Island, Marine tech. rpt. no. 3) Ref Z6004 P6 R5

Recreation


Water Pollution & Water Pollution Control


254 Lake and river pollution; an annotated bibliography. Evelyn Sinha. La Jolla, Calif., Ocean Engineering Information Service, 1971. (Ocean engineering information series no.4) Ref Z7173 W3 S5
Methods, models and instruments for studies of aquatic pollution; an annotated bibliography. Evelyn Sinha. La Jolla, Calif., Ocean Engineering Information Service, 1971. (Ocean engineering information series no.5) Ref Z7173 W3 S52

MC 68:17579 non-depository microprint

Govt. Publ. Dept. (C13.46:532)

Govt. Publ. Dept. (EP2.27:Su 1 pts 1-3)
Pt. 1: Subsurface waste injection
Pt. 2: Saline water intrusion
Pt. 3: Percolation from surface sources


Govt. Publ. Dept. (FS2.21:8/3)

See also: no. 194 (37,38,45) of this bibliography.
Annotated bibliography of books and journal articles with a strong emphasis on Russian research. Arrangement is alphabetical by author with a subject index; map included. The 15th volume was published in 1971 and covers the literature from 1960-68 with most references having been published in 1966-67.


Appendix lists state and federal agencies and private organizations concerned with water resources in Connecticut.


268 Bibliography (on the relation of forests to water and climate). In:


273 Selected urban storm water runoff abstracts. Franklin Institute Research Laboratories. U.S. Environmental Protection Agency, Office of Research and Monitoring. Wash., D.C., GPO, 1969-
Laboratory of the Federal Water Pollution Control Administration, are included.


275 Water publications of state agencies. Edited by Gerald J. Giefer and David K. Todd, with the assistance of Mary L. Quinn. Port Washington, N.Y., Water Information Center, 1972. Ref Z7935 G55


See also no. 194 (10,28,47) of this bibliography.

Watershed

278 The watershed as a resource management unit; a selected bibliography. Bruce Mitchell and Joan Mitchell. Monticello, Ill., Council of Planning Librarians, 1972. (CPL exchange bibl. no. 284) Ref Z5942 C68 no.284

Wetlands

Dissertations and Masters Theses

Bibliographic Sources

low shelving opposite
Ref. Office

Lists all United States doctoral dissertations; table of contents is only subject approach. Within each subject division items are arranged alphabetically by school; author index. Tedious to use with subject approach as headings are so general, for example: Agriculture - Forestry and Wildlife; Engineering, Civil; Engineering, Hydraulic; Engineering, Sanitary and Municipal; Environmental sciences; Geology; Hydrology; Limnology; Marine sciences; Oceanography; Water chemistry. Cumulatively indexed in "Comprehensive dissertation index," see no. 288 of this bibliography.


Bibliography section - Dissertations


Ref Room

Includes both PhD dissertations and masters' theses. Alphabetical arrangement by author with geologic and general indexes.


Classified arrangement with subject, author, and geologic names indexes. Includes PhD dissertations and masters' theses. Contains theses from 1964 not included in reference above.

Ref Z6034 U49 W32


Ref Z5971 S6


Ref Z5971 S6 1st suppl

Classified arrangement by subject. Covers both PhD and masters’ theses.


Ref Z6034 U49 C46 1958

Includes both PhD dissertations and masters’ theses. Alphabetically arranged by author with geologic name and general indexes. Coverage is continued by nos. 282 to 284 of this bibliography.


Ref Dept.

This unique index will be supplemented periodically. It consists of an author and subject approach to “virtually” all academic doctoral dissertations accepted in this country. Sources used in compiling this index: “Dissertation Abstracts International,” “American Doctoral Dissertations,” U.S. Library of Congress bibliography of dissertations covering 1912-1938, and direct information from all schools having doctoral programs prior to 1932 giving information on dissertations from the beginning of their programs up through 1935. Because CDI indexes “Dissertation Abstracts International,” the foreign dissertations included there also appear.

A subject search must start with the appropriate general topic and then proceed to the use of keywords within that area, for
example: v.14: Health and Environmental Sciences, p.875 - Environmental Sciences - then by keyword to e.g. lake, lakes, limnological, limnology, marshes, ocean, ponds, precipitation, reservoirs, sediment, water, waters, watershed.

289 **Dissertation abstracts international.** Ann Arbor, Mich., University Microfilms, 1938- v.1- Ref Z5055 U5 A53
Previously called "Dissertation Abstracts," DAI is published monthly with author and keyword subject indexes, which are cumulated annually. It contains abstracts of doctoral dissertations from cooperating U.S. and foreign schools. A list of cooperating institutions is provided inside front and back covers of each issue. This list indicates date at which participation started. See above reference for cumulated indexing.

Continued by “American Doctoral Dissertations,” no. 280.

291 **Masters’ theses** (accepted by U.S. colleges and universities in the fields of chemical engineering, chemistry, mechanical engineering, metallurgical engineering, and physics) in the pure and applied sciences. 1955/56- West LaFayette, Indiana, Thermophysical Properties Research Center, Purdue University, 1957- Ref QC251 P8 date
Arranged by discipline then alphabetically by school; no detailed subject index; includes Agricultural engineering, Chemistry, Civil engineering, Geology, Irrigation engineering, Marine engineering, Oceanography, and Sanitary engineering. References are not annotated.

292 **Theses on water submitted to universities in California through June 1969.** Mary Deane. Berkeley, Univ. of California, Water Resources Center Archives, 1971. (Archives series rpt. no. 22) Ref Z7935 D4
Includes both PhD dissertations and masters' theses. Alphabetically arranged by author with an index including both place and subject.


81
See no. 288 for cumulated indexing.

See also:

There are many other bibliographies of dissertations which might be of interest. Examples:


Section 22 is on “Water Resources Geography.” The bibliography is classified by subject with a geographic index.


Both PhD dissertations and masters’ theses are included in classified arrangement as outlined in detail in the table of contents. Author and keyword subject indexes are provided. Appendix B lists sources used in compiling the bibliography.


No subject index.


No subject index.
Annual review publications

298 Advances in ecological research v.1-1962-
   574.5082 Ad95
Advances in environmental science and technology
see Advances in environmental sciences

299 Advances in environmental sciences v.1-1969-
   New York, Wiley-Interscience
   TD180 A38

300 Advances in hydrosience v.1-1964-
   New York, Academic Pr.
   551.49082 Ad95

301 Advances in marine biology v.1-1963-
   574.92082 Ad95

302 Advances in water pollution research; proceedings of the
   international conference 1st-1962-
   Washington, Water Pollution Control Federation
   TD420 A27

303 Oceanography and marine biology; an annual review
   London, Allen & Unwin v.1-1963-
   551.46 Oc2

304 Progress in oceanography v.1-3 1963-65
   Oxford, New York, Pergamon Pr.
   551.46082 P943

305 Progress in water technology v.1-1972-
   New York, Pergamon Pr.

83

FTD511 A66 1972


QH545 P5 P47 1973

v.3: Water quality: management and pollution control problems. Edited by S.H. Jenkins. (Jerusalem workshop papers)

TD365 W377 1973

306 Water. American Institute of Chemical Engineers

1968-

TD365 A4

This publication is part of the Chemical engineering progress symposium series.

307 Water Pollution Control Federation. Annual literature review In: Water Pollution Control Federation, Journal, June issue.

The review is organized under the following topics: Nature and analysis of chemical species, Wastewater treatment, Industrial wastes, Water pollution, and Administration. The coverage includes literature from both foreign and domestic journals. This feature of the Journal has been in existence since the early 1930s, and in 1968 it took up the entire June issue. Our collection is as follows:

Water Pollution Control Federation, Journal

v.32 1960-

formerly
Sewage and industrial wastes v.22-31 1950-59.

formerly
Sewage works journal v.1-21 1928-49.
Information services

308 Water Resources Information Network
Computer literature searches are available to the public through terminals located at the following three centers. The data base is that represented by Selected Water Resources Abstracts, provided by the U.S. Dept. of the Interior, Office of Water Resources Research, Water Resources Scientific Information Center, Wash., D.C.

309 Northeast Water Resources Information Terminal (NEWRT)
Engineering Library
Cornell University
Ithaca, New York 14850
telephone A/C 607, 256-4318

310 Southern Water Resources Scientific Information Center
D.H. Hill Library
North Carolina State University
P.O. Box 5007
Raleigh, North Carolina 27607
telephone A/C 919, 755-2683

311 Water Resources Center
University of Wisconsin
1975 Willow Drive
Madison, Wisconsin 53706
telephone A/C 608, 262-3577

312 U.S. Geological Survey
Water Resources Division
National Water Data System
18th and F Streets, NW
Washington, D.C. 20242
telephone A/C 202, 343-9425
Card services; data collection and analysis; and reference service. Data base is records of observations from streamflow gauging stations, water quality measuring stations, and observation wells operated all over the country by the Geological Survey. Data covers "surface water state and discharge; chemical quality parameters; radiochemical sediment; pesticide and certain biological concentrations in water; ground and surface water levels; geologic data describing the framework in which ground water occurs; flood frequency and flood inundation mapping." Cf. Kruzas, "Encyclopedia of Information Systems and Services," p.648.

313 University of Rhode Island
New England Marine Resources Information Program
Narragansett Bay Campus
Narragansett, Rhode Island 02882
telephone A/C 401, 792-6211

Manual literature searches; reference and referral services. Data base is published literature and research reports; scope: "marine resources development, including factors fostering or hindering development of food and drug resources, minerals, oil, shipping, recreation, research, education, ocean engineering, coastal zone development, and marine-related business." Cf. Kurzas, "Encyclopedia of Information Systems and Services," p.848.
Directories

Organizations, Agencies, Companies


Agencies are arranged alphabetically by state within sections on various subjects e.g. Land sales regulation, Water pollution control, Solid waste management. Jurisdictional maps are included at the end.


Alphabetical arrangement with executive and key word indexes. Key words for example: Agronomy, Biology, Botany, Conservation, Consultants, Fish and fisheries, Geologists, Hydraulics, Limnology, Oceanography, Pollution, Sanitation, Water, Waterways.

Division, New York, 1971. Ref QH51 N37
Alphabetically arranged by state giving brief description of programs offered and for what age group.

v.1: National organizations of the United States.
v.2: Geographic and executive index.
v.3: New associations and projects.

Alphabetical arrangement. A subject index is provided: e.g. Hydrology, Marine biology, Oceanography, Shores and beaches, Water pollution, Water resources, Water treatment, Waterways.

Contains chapters on: World developments; Communist countries; Multilingual dictionary of fish names; Encyclopedia of fish varieties; Fisheries research in 1969; Shellfish and crustaceans on the market. The directory section includes an international list of producers, processors, distributors and other related companies.


Alphabetical arrangement of organizations with a section of U.S. government executive departments and independent agencies.


Ref TD201 W33 1973
This directory lists water services reorganization in England, Wales, and Northern Ireland; water undertakings; waterworks statistics; lists of water related boards, authorities, etc.

Includes list of consultant firms and companies that are members of the Federation.

Ref S920 W67

People

Ref Biog. Q141 A47

Ref Biog. Q141 A47 index

Alphabetical and geographical lists; foreign members included.

Govt. Publ. Dept. (7-W29.3:17)
Faculty listed alphabetically and by institution.
Gives “names and addresses of EPA regional administrators, interstate commissions, international commissions, and state pollution control officers.” shelved with Environment Abstracts

334 Directory of state control officials. In: The Environment Index 72, p.36-43.
Gives names and addresses of officials of environmental control agencies of state governments. Arrangement is alphabetical by state within the subject areas: air pollution, pesticides, radiation, solid waste, and water pollution. This information will be updated in Environment Information Access, now entitled Environment Abstracts. shelved with Environment Abstracts

335 Directory of the Water Pollution Control Federation. In: Water Pollution Control Federation. Journal, March 1972, part 2. Published biennially. Serial stacks
Lists individual members and consultant members giving address, names of principal water pollution control engineers and other specialists, and types of services provided by each firm. Associate or corporate members and consultant members are listed each year in the March issue part 2.

Lists authors alphabetically with addresses. Also lists organizations with addresses and provides a geographic breakdown by author. This source is made up of first authors of papers covered by the various editions of Current Contents. Beginning in 1973 the names of authors and organizations publishing papers indexed by Science Citation Index are also included.

See also:
Other biographical dictionaries for given countries or subject areas. Also helpful are membership directories for individual professional societies.
Examples:

338  *Dictionary of scientific biography*. Edited by Charles Coulston Gillispie. N.Y., Charles Scribner's, 1970-

   Emphasis is on the history of science; excellent biographical information with extensive bibliographies of the individual's publications.


   In order to learn how senators and congressmen have voted on water and/or environmental issues, one might consult:


   Contains profiles of senators and congressmen alphabetically arranged by state. Includes key floor votes.

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**Research Centers & Research Projects**


   Covers U.S. government agencies and departments, legislative committees, independent agencies, citizens, professional, trade, and educational organizations.


   Govt. Publ. Dept.

   (I 19.2:W29/13-970;12-970)

   Shows where water data is being collected in the U.S. on a continuing basis: identifying and locating the agency station; type of site e.g. stream, lake, estuary; period of time that records have been kept; how data is stored; types of data recorded. Both federal and non-federal agencies are included.
This title began publication in 1966; new editions will be published as significant changes warrant them.


Alphabetical arrangement of laboratories giving scope of activity, major research and teaching facilities, equipment, scientific staff, financial support.


Alphabetical list of organizations and institutions engaged in fresh water research with subject and organization indexes. Areas of interest, holdings, publications, information services and other services are included. Commercial and profit making organizations are excluded.

345 Directory of reclamation projects, divisions or units operated partly or entirely by water users. Wash., D.C., U.S. Dept. of the Interior, Reclamation Bureau, 1968 MC 69:4907

non-depository microprint


Presents summaries of hydraulic and hydrologic research and other fluid mechanics research of related interest. University, state, federal, and industrial research is covered. A detailed subject index is provided and also a list of contributing laboratories. Earlier editions have been published annually from 1933-66 (with a few exceptions), and since then it has been published biennially.
Alphabetical arrangement with personnel, geographic and subject indexes.


Represents results of research on lakes in the U.S. A table is provided which shows by state and name of lake the surface area, type of problem and source of problem. The major section is entitled "Lake Descriptions," arranged by state and then lake name, and gives location, size, depth, problem and source, rehabilitation, background data, and comments. References, listed on p.277-282, are also arranged by state.

Classified arrangement by subject with alphabetical list of centers at the end.
Supplemented by:


352 Water resources research catalog. U.S. Dept. of the Interior, Office of Water Resources Research. Wash., D.C., GPO, 1965-
Govt. Publ. Dept. (I 1.94:vol. & no.)
Includes research projects supported by federal and non-federal funds, and the 1973 ed., v.8 includes research from about 60 foreign countries also. The Catalog is published in two sections:
1. Project descriptions, which is classified as follows:
   Nature of Water
   Water cycle
   Water supply augmentation and conservation
   Water quantity management and control
   Water quality management and protection
   Water resources planning
   Resource data
   Engineering works
   Manpower, grants and facilities
   Scientific and technical information

2. Indexes, by subject, investigator, contractor, supporting agency.


   Schools

   Ref Desk LA226 C685
   14th ed 1972 v.3

   This volume of the “College blue book” is a subject arrangement of degree programs. Under each subject area are listed schools which offer certified diplomas, associate, bachelor, masters, doctorate and other degrees. Subject areas for example: hydraulics, hydrogeology, limnology, water and air resources, water chemistry, water pollution technology, water quality and sanitation technology, water resources, water resources engineering, water technology, water treatment, water utility science, watershed management, watershed technology.

355 Directory of degree programs related to conservation, ecology, environmental education, environmental science, outdoor education, and natural resources. Compiled by Russel E. Bachert, Jr. Danville, Ill., Interstate, 1971. (Conservation Education Association. Education: Key to conservation no.7)
   Ref S946 B33

   Ref Desk L901 L5 1970

94


Subjects included: Hydraulics, limnology, oceanography, marine biology, marine sciences, water resources, water chemistry, water quality, water technology, watershed management, watershed resources, wildlife studies, wildlife biology, wildlife ecology.


Describes courses of study at colleges and universities in the U.S., types of degrees offered, and also person to contact for more information.


See also: General directories of schools:


Descriptive information.


363  Education directory 1972-73, higher education. U.S. Dept. of
Health, Education, and Welfare, Office of Education, National
Center for Educational Statistics. Wash., D.C., GPO. Annual.
Ref Office
Basic data including names of top administrative officials.

364  International handbook of universities, and other institutions of
higher education. 5th ed. Paris, The International Association of
Universities, 1971. Ref L900 I58 1971

365  Patterson's American education. Mount Prospect, Ill., Educational
Directories Inc. Annual. Ref L901 P3
Includes public and private high schools, colleges and
universities and specialized schools.

366  The world of learning 1972-73. 23d ed. London, Europa
Publications Ltd., 1972. 2v. Ref AS2 W6 1972-73
Includes a section on colleges and universities for each country;
for many schools faculty are listed.

367 Soil conservation. Govt. Publ. Dept. (A57.9:vol.&no.)

U.S. Army Engineers Corps.

368 Water spectrum, issues, choices, actions (quarterly) (D103.48:vol.&no.)

U.S. Environmental Protection Agency.

369 Conference in matters of pollution of navigable waters, proceedings. (EP1.16²:CT)
370 Ecological research series, EPA-R3. (EP1.23:nos.)
371 Environmental protection technology series, EPA-R2. (EP1.23³:nos.)
372 Fish kills caused by pollution (annual) (EP2.24:date)
373 Socioeconomic environmental studies series, EPA-R5. (EP1.23³:nos.)
374 Water pollution control research series. (EP1.16:nos.& letters) and (EP2.10:nos.& letters)
375 Water quality standards summary (for various states) (EP1.29:CT) non depository


376 Circular series (I 19.4²:nos.)
377 Ground-water levels in the U.S. In: Water-supply papers
378 Quality of surface waters in the U.S. (annual) In: Water-supply papers
379 River basins of the U.S. series (I 19.56:CT)
380 Surface water supply in the U.S. In: Water-supply papers (I 19.13:nos.)
381 Techniques of water-resources investigations. (I 19.155:bk.no.,chapt.no.)
382 Urbanization and water resources. In: Professional paper series (I 19.16:nos.)
384 Water resources conditions in Connecticut (Ct. EPA) (monthly) (7.En8.6: yr. mo.)
385 Water resources review (monthly) non-depository item see Govt. Publ. Dept.
386 Water-supply papers. (I 19.13:nos.)

U.S. Dept. of the Interior.
387 Conservation bulletins. (I 1.72:nos.)
388 Saline water conversion reports (annual) (I 1.13:date)
389 Saline water research and development progress reports. (I 1.88:nos.)
390 Water resources research catalog. (I 1.94:vol.&no.)
391 Water Resources Scientific Information Center: WRSIC series. (bibliography series) (I 1.97:nos.)

U.S. Bureau of Reclamation.
392 Research reports (127.54:nos.)
393 Water and land resource accomplishments. (127.55:date)

U.S. Water Quality Office.
394 Estuarine pollution study series. (EP2.19:nos.) and (167.21:nos.)
395 General publications. (EP2.2:CT)

98
Northwest shellfish sanitation research planning conference, proceedings. (EP2.15:date) and (FS2.2:Sh46)


General publications. (Y3.W29:2CT)


U.S. Office of Water Resources Research.

Annual report. (I 1.1/4:date)
Publications from the 51 Water Resources Research Institutes established under the Water Resources Research Act of 1964 are located in the Government Publications Department of the Library. Like most government documents they do not necessarily appear in the card catalog but are indexed by the Monthly Checklist of State Publications and Selected Water Resources Abstracts.

These publications are handled by the Government Publications Department of the Library. In addition to their Bulletins an example of this type of publication is:

Govt. Publ. Dept.
(14-En3.4:\textsuperscript{1}:1944) and
(14-En3.4:no.)

Presents a plan for the “preservation, development, and management of the water and related land resources of the

Govt. Publ. Dept.
(70-C34.2:C76 vol.)

Presents a plan for the “preservation, development, and management of the water and related land resources of the
Connecticut River Basin” which took six years to develop. Maps are included.

v.1: Main report
v.2: Appendix A. History of investigation
   B. Economics
   C. Hydrology
v.3: Appendix D. Water supply & water quality
   E. Ground water resources
v.4: Appendix F. Water and related land resources management, use and development opportunities
v.5: Appendix G. Fish & wildlife resources
   H. Outdoor Recreation
   I. Electric power
v.7: Appendix K. Plan formulation
   L. Navigation
v.8: Appendix M. Flood control
   N. Mineral industry water requirements and mineral investigations at selected sites
v.9: Appendix O. History and environment
   P. Estuary
   Q. Subcommittee reports
   R. Health Aspects
   S. Mineral industry and resources


This report “presents a comprehensive framework plan for the management of water, related land and other environmental resources in the NAR” and the findings and recommendations of the Committee. Maps are included. The main report and annexes are followed by 22 appendices:

A: History of study
B: Economic base
C: Climate, meteorology and hydrology
D: Geology and ground water
E: Flood damage reduction and water management for major rivers and coastal areas
F: Upstream flood prevention and water management
G: Land use and management
H: Minerals
I: Irrigation
J: Land drainage
K: Navigation
L: Water quality and pollution
M: Outdoor recreation
N: Visual and cultural environment
O: Fish and wildlife
P: Power
Q: Erosion and sedimentation
R: Water supply
S: Legal and institutional environment
T: Plan formulation
U: Coastal and estuarine areas
V: Health aspects
Ref TD201 J64
This report discusses and analyzes the 1634 serials identified as most pertinent to the water resources field. Appendix VIII, p.93-120 lists "Core water resources serials, by alternate definitions."

Ref HC110 E5 A7 1972
Contains a bibliography of "Serials and Periodicals" p.323-353.

Ref Desk Z5073 B68 v.1-2

Ref Office Z7994 M33 W66
Ref Office Z7994 M33 W66 suppl.

Ref Desk Z6941 U5 15th 1973-74
Classified arrangement with title and subject index at the end.
Sections of interest:
Conservation p.517-525
Earth sciences (including Oceanography) p.537-555
Environmental studies p.744-752
Water resources p.2093-2098

410 World list of periodicals for aquatic sciences and fisheries. Food and
Agriculture Organization of the United Nations, Fisheries
biology technical paper no.19 v.1)
Govt. Publ. Dept.
(FAO - 50:19 v.1)

See also:
Guides to the literature. These guides often list and discuss the
periodicals and serials of a given field.
Indexing and abstracting services. These services usually list, at
various intervals, the periodicals which they index. Examples:
Serial list, p.VII - XLI.
Engineering Index. List of journals indexed is provided in the
front of each volume.
Oceanic Abstracts. First issue each year lists journals covered
by this source.
Pollution Abstracts. First issue each year lists journals
covered by this source.

Conservation publications. A list of major regional,
national and international publications dealing with
ecology and conservation. Ref TD174 N6

412 WATER RESOURCES SERIALS
SELECTED LIST
This is a list of 181 titles identified by the Special Studies Dept. of
Wolf Research and Development Corp. in 1969 as being “primary
sci-tech serials with 66.6% or more of their original papers related
to water resources.” Their study was prepared for the Water
Resources Scientific Information Center, Office of Water Resources
Research, U.S. Dept. of the Interior, (see no. 405 of this
bibliography). The titles have been arranged here as they would be
listed in the collection of the library at the University of Connecticut; departmental location, e.g. GPD for Government Publications Department and/or holdings are given. Title change information is provided for later titles but not for former titles.

Academie des Sciences. Comptes Rendus . . . 1, 1835-
Acta Hydrophysica
Agricultural engineering 12, 1931-
Agricultural meteorology 2, 1965-
Agricultural research GPD
Air and water pollution 1-10, 1958-66.
American Chemical Society. Journal 1, 1879-
American city 12, 1914-
American Institute of Chemical Engineers. AIChE symposium series
see card catalog
American midland naturalist
American mineralogist 26, 1941-
American Society of Agricultural Engineers. Transactions n.s.1, 1958-
American Society of Civil Engineers, Environmental Engineering Division. Journal EE 99, 1973-
American Society of Civil Engineers, Hydraulics Division. Journal 82, 1956-
American Society of Civil Engineers, Irrigation and Drainage Division. Journal 82, 1956-
American Society of Civil Engineers, Waterways and Harbors Division. Journal 82-96, 1956-70.
American Society of Civil Engineers, Waterways, Harbors and Coastal Engineering Division. Journal 96, 1970-
American Society of Mechanical Engineers. Journal of engineering for power 32, 1960-
The analyst 1, 1876-
Analytical chemistry 22, 1950-
Archiv fur hydrobiologie 12, 1920-
Arizona. State Land Dept. Water resources report
Atmospheric and oceanic physics

Bioscience 15, 1965-
British water supply 1, 1969-

California. Department of Water Resources. Bulletin GPD
California. State Water Resources Control Board. Publication GPD 8, 1951-
California. University. Water Resources Center contribution GPD
California fish and game GPD 1929-
Canada. Water Resources Branch. Water resources papers GPD
Canadian journal of zoology 29, 1951-
Chemical engineering progress symposium series see card catalog under American Institute of Chemical Engineers. AIChE symposium series
Chemical engineering science 1, 1951-
Chemical Society, London. Journal Faraday Transactions 1 and 2 68, 1972-
Chemistry and industry 56, 1937-
Chimie et industrie 1, 1918-
Civil engineering 1, 1930-
Colorado. State University. Hydrology papers
Connecticut. Water Resources Commission. Bulletin GPD 1-
Deep-sea research and oceanographic abstracts 9, 1962-
Desalination (Amsterdam) 1, 1966-
Deutsche Gewasserkundliche Mitteilungen
L'eau
Eaux et industries
Ecology 1, 1920-
Effluent and water treatment journal
Endeavour 1, 1942-
Environmental geology notes
Environmental science and technology 1, 1967-
Geochimica et cosmochimica acta 1, 1950-
Geographical bulletin
Geological Society of America. Bulletin 1, 1890-
Gidroznicheskoye stroitelstvo
Ground water 1, 1963-
Ground water age
Health physics 2, 1959-
Hydrogiologia
Hydrological sciences bulletin 17, 1972-
Hydrological year book of Israel
Hydrological symposium, proceedings
Hygiene and sanitation

Illinois. Geological Survey GPD
Illinois. University. Agricultural Experiment Station. Bulletin GPD
Indian journal of power and river valley development
Indiana. Geological Survey. Special report
Industrial water engineering 1, 1964-
    Continued by Water pollution control
    Continued by Public health engineer
International Grasslands Congress. Proceedings see card catalog
Iowa farm science GPD 1, 1946-
Irrigation age
Irrigation and power

Journal of animal ecology 1, 1932-
Journal of applied meteorology 2, 1963-
Journal of chemical physics 1, 1933-
Journal of colloid and interface science 21, 1966-
Journal of ecology 1, 1913-
Journal of geology 1, 1893-
Journal of geophysical research 54, 1949-
Journal of hydrology 2, 1964-
Journal of petroleum technology 1, 1949-
Journal of physical chemistry 1, 1896-
Journal of scientific instruments 1, 1923/24- title varies
Journal of sedimentary petrology 1, 1931-
Journal of soil and water conservation 20, 1965-
Journal of the atmospheric sciences 19, 1962-

Kansas. State Water Resources Board. Technical report GPD
Land and water contracting
Limnology and oceanography 1, 1956-
Limnos
Los Angeles County Flood Control District. Hydraulic and Water Conservation Divisions. Report on hydrologic data

Marine biology 1, 1967-
Massachusetts. University. Agricultural Experiment Station. Bulletin GPD


National parks and conservation 44, 1970-

National Research Council. Highway Research Board. Highway research record 1, 1963-
National resources journal 1, 1961-
Natural resources lawyer
Nature (London) 1, 1869-
Nature and resources GPD 8, 1972-
Nebraska. Soil and Water Conservation Commission. State water plan

Nevada. Department of Conservation and Natural Resources. Water resources bulletin

New England Water Works Association. Journal 31, 1917-
New Jersey. State Department of Health. Public health news
New South Wales. University. Water Research Laboratory. Report see card catalog

New York. Power Authority. Annual report GPD

North American Wildlife and Natural Resources Conference. Transactions SK351 N872 1, 1936-

North Dakota. State Water Conservation Commission. County ground-water studies

Northwest pacific builder and engineer
Nuclear safety GPD 1, 1959-

Oesterreichische Wasserwirtschaft
Pan American Sanitary Bureau. Boletin
Parks and recreation 1, 1966-
Plant physiology 1, 1926-
Polskie archiwum hydrobiologii
Power 23, 1961-
Power engineering 54-76, 1950-72.
Public health engineer 1973-
Public works 48, 1920-
Pulp and paper magazine of Canada
Radiological health data and reports GPD 2,#4, 1961-
Republic of South Africa. Report of the Secretary of Water Affairs
River Murray Commission Report
Russian journal of inorganic chemistry 11, 1966-
Schweizerische zeitschrift fur hydrologie
Science 1883-87; 1896-
Societe Geologique de France. Compte Rendu Sommaire des
Seances 1911-12; 1943-
Society for Water Treatment and Examination. Proceedings
Soil science 1, 1916-
Soil Science Society of America. Proceedings 22, 1958-
Soil and water
Southwest waterworks journal
Soviet hydrology: selected papers 1962-
Sport Fishing Institute. Bulletin
Tasmania. Department of Mines. Underground water supply paper
Technique de l’eau et de l’assaissonnement
Texas. Water Development Board. Report GPD
U.S. Army Corps of Engineers. Flood plain information
U.S. Bureau of Reclamation. Research report GPD
U.S. Department of Agriculture. Agricultural Research Service GPD
see Agricultural research
U.S. Geological Survey. Water-supply paper GPD
U.S. National Weather Service. Technical paper GPD
U.S. Office of Saline Water. Research and development progress
report GPD
Utah. Geological and Mineralogical Survey. Water resources bulletin
report
Vizugyi kozlemanyek
Wasser und Energiewirtschaft/cours d'eau et energie
Wasserwirtschaft - Wassertechnik
Water and pollution control (Ottawa)
Water and sewage works 93, 1945-
Water and waste treatment
Water and wastes engineering 3, 1966-
Water and water engineering
Water pollution control 67, 1968-
Water Pollution Control Federation. Journal 32, 1960-
Water power
Water research 1, 1967-
Water Research Association. Annual report
Water Research Foundation of Australia. Report
Water resources bulletin 3, 1967-
Water resources journal (U.N.)
Water Resources. Reconnaissance series report
Water resources research 1, 1965-
Water well journal 21-26, 1967-72.
Waterway economics
Western Australia. Department of Agriculture. Journal GPD
Western city magazine
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