Water Resources Publications Pertaining to the District of Columbia

- Second Edition -

DC WATER RESOURCES RESEARCH CENTER
University of the District of Columbia
Washington, DC

March 1994
“Water Resources Publications Pertaining to the
District of Columbia”

DC WATER RESOURCES RESEARCH CENTER
University of the District of Columbia
Building 50, MB 5004
4200 Connecticut Ave, NW
Washington DC 20008

Tel (202) 274-6423

The activities on which this report is based were financed in part by the Department of the Interior, U.S. Geological Survey, through the Water Resources Research Center, the University of the District of Columbia.

The contents of this publication do not necessarily reflect the views and policies of the Department of the Interior, nor does mention of trade names or commercial products constitute their endorsement by the United States Government.

The University of the District of Columbia is an equal opportunity and affirmative action institution. Its programs, employment and educational opportunities are available to all qualified persons regardless of race, color, religion, national origin, sex, age, marital status, personal appearance, sexual orientation, family responsibilities, matriculation, physical handicap or political affiliation.
PREFACE

The Water Resources Research Center (WRFC) of the University of the District of Columbia was created, in 1973 by the authority of the Water Resources Act (N! 88079) which established a federal/state partnership in research, information transfer and education regarding water-related issues. The program has been reauthorized several times and is currently operating under the Water Resources Research Act of 1990, as amended.

The basic goal of the DC WRRC is to conduct, stimulate and support water and water related research in the NOV. of Columbia. The DC WRRC program considers research of either task; or practical nature, or bath, in relation to water resources problems. The Center's broad focus includes research on water quality and quantity, institutional and management-related water resources problems.

This publication is a second edition of an earlier version of then bibliography. It provides a more up-to-date and comprehensive list of all water-related publications pertaining to the District of Columbia. The agencies, local, and regional agencies, and University reports were used in the compilation of this report.

The "Water Resources Publications Pertaining to the District of Columbia" is prepared to facilitate the information dissemination of water resources. The objectives of this publication axe: to compile as completely as possible the information concerning water resources publications about DC, and to assist principal investigators and students in conducting-literature searches, and finally to inform professionals and those interested in the field.

Research and compilation of information contained in this pamphlet were carried out by J. Schneider and J. Castaflos of the DC- WRRC staff. The data input was done by A. Ocram, Student Assistant. Previous editions were compiled by A. Ciss6, former WRRC member.

It is inevitable that some sources have been overlooked, but this publication is updated on a regular basis. We would appreciate your bringing to our attention any mistakes or omissions that should be included in the next update.

H. M.H. Watt
Director
ORGANIZATION OF THE REPORT

This report was organized using categories defined by the U.S. Geological Survey for Water Resources Research as follows:

1) Social Sciences incl. economics, law, political science, sociology, water resources policy or planning .......................................................... Page 1

7) Ground Water Resources Flow and ............................................... Page 7

3) Water Quality, incl. chemistry, geochemistry, sediment chemistry, chemical modeling, water pollution studies ............................................. Page 11

4) Biological Sciences ................................................................. Page 31

5) Engineering, incl. waste water treatment, water supply, technological or systems of optimization aspects of water resources problems .................. Page 37

6) Climate and Hydrologic Processes; - surface water hydrology, sedimentation/erosion, geomorphology, and climatologic and hydrologic interactions ................................................................. Page 73

Note: Most of the publications can be obtained at cost from:

National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
TEL.: (703) 487-4660

or from:

D.C. Water Resources Research Center
University of the District of Columbia
4200 Connecticut Ave. N.W. ME 5004
Washington, D.C. 20008
TEL.: (202) 274-6400
1. Social Sciences


**IL Ground Water Resources, Flow and Transport**


Water Resources Administration, 1982. The Quantity and Natural Quality of Groundwater in Maryland. Water Resources Administration, Annapolis, MD- 150 1 P.


III. Water Quality/ Chemistry


Buckingham, P.1- et al., 1970. Combined Sewer Overflow Abatement Alternatives Washington, D. C. NTIS No. PB-203 680, Water Pollution Control Research Series No, 11024100. Prepared by Roy F. Weston, Inc. for the Water Quality Office Environmental Protection Agency. 244 p,


Davey, W.B., 1977. Conservation Districts and 208 Water Quality Management. EPA Grant IW0900740101 05CC


District of Columbia, 1982. Water Pollution Control Status and Water Quality Assessment Report (305(b)). Department of Environmental Services, Washington, D.C.

District of Columbia. 1990a. 1990 Water Quality Assessment and Pollution Control Status Report. Section 3(15(b) Report, Department of Consumer and Regulatory Affairs.

District of Columbia 1986b. From the Waters of the District of Columbia to the Chesapeake Bay. Department of Consumer and Regulatory Affairs and Department of Public Works.


Federal Water Pollution Control Administration, 1966b. Summary of Water Quality and Waste Outfalls Rock Creek in Montgomery County, Maryland and the District of Columbia. Middle Atlantic Region, CB-SRBP Working Document No. 5.


Federal Water Pollution Control Administration, 1968. Water Quality of the Potomac Estuary, 1968. Data Report 6, Annapolis, MD.
Federal Water Pollution Control Administration, 1969. Potomac Estuary Intensive Study Annapolis IMAM Office, Annapolis, MD.


Federal Water Pollution Control Administration, 1969, Summary of Water Quality and Waste Outfalls, Rock Creek in Montgomery County, Maryland and the District of Columbia. CINSSRBPE Working Document No. 5, Middle Atlantic Region.


Harris, S., 1982. Continuing Planning Process for the Water Pollution Control Program. District of Columbia Department of Environmental Services, Washington, D.C.


DC WRRC

BIBLIOGRAPHY


Prince George's County, Maryland. 1987b. Conservation Manual for the Chesapeake Bay Critical Area.

Prince George's County, Maryland. 1987a. Chesapeake Bay Critical Area Program.


Management Plan-Plan Supplement. Metropolitan Washington Council of
Governments Washington, D.C.

Water Resources Planning Board, Metropolitan Washington Council of Governments,
1980. Pollution Control Measures Studied as Urban Runoff Project Gets

Report TOM. D.C. Water Resources Research Center, Washington, D.C.

Metropolitan Am. Interstate Commission on the Potomac River Basin, Rockville,
MD. 63 p.

WoodwixkW TC., P.D. Manning, D.J. Shulm, and V.S. Andrie, 1984. Water Quality and

Yevjevich, V. and N.B. Harmancioglu. 1986. Transfer of Information among Water
Quality Variables of the Potomac River. DC WRRC Report fix 72, NTIS No. W87-
602750.

Chesapeake Bay Program. 1987. Habitat Requirements for Chesapeake Bay Living Resources. Chesapeake Bay Living Resource Task Force.


Elliot, J., 1830. Historical Sketches of the District of Columbia, with a Description of the River Potomac, its Fish and Widlfowl, ... 554 p.
Federal Water Pollution Control Administration, 1966a. Chesapeake Bay-Susquehanna Basins Project, "Biological Survey of Rock Creek". Working Document No. 4.


DC WRRC

BIBLIOGRAPHY

Interstate Commission on the Potomac River Basin, 1979. Evaluation of Predictive Capabilities of Ecological MAW of Varying Complexity Developed by EPA for The Potomac Estuary Chesapeake Bay Institute and The Johns Napkins University, Rockville, MD.


V. Engineering/ Water Supply/ Waste Water


American Society of Civil Engineers, 1973, Long Range Planning for Metropolitan Water Service. American Society of Civil Engineers Winter Meeting,


American Water Works Association, 1971 News of the Field - Water Supply Crisis for D.C. Am. Water Works Assoc., 31 p,


Bennett, S. and J. Heidman, 1977, Feasibility of Treating Septic Tank Waste By Activated Sludge. EPA-60012-77-14-1, Municipal Environmental Research Lab, Cincinnati, CH.


D.C. Department of Environmental Services, 1971 ]Blue Plains Chief Administrative Old Progress Report to the U.S. Environmental Protection Agency Regarding Lang-I Management of Sludge from the Blue Plains Sewage Treatment Plant. Washington,


Department of Environmental Services, 1979. Plan of Study for Phase I Feasibility Study, Blue Plains Sewage Treatment PUS District of Columbia Department of Environmental Services, Washington, D.C.


District of Columbia Department of Environmental Services, 198CL Potomac River Flow, Washington, D.C.


Eddy, H.P., J.H. Gregory and S.A. Greeley, 1933. Report to the Board of Commissioners, District of Columbia on Sewerage and Sewage Disposal, Washington, D.C.


EPA, 1974. Final Environmental Impact Statement District of Columbia Water Pollution Control Plant (Expansion and Upgrading). Prepared pursuant to Section 102 (2) (c) of the National Environmental Policy Act of 1969. Region M.


GKY and Associates, Ion, 1982. Tidewater Potomac Cleanup "A Decade of Pro


Greeley and men, 1981. District of Columbia Department of Environmental, Services Engineering and Construction Administration Blue Plains Feasibility Study: Study Memorandum II-1, Existing Situation Blue Plains Service Area. Prepared for District of Columbia Department of Environmental Services, Washington, D.C.


Greeley, S.A., S.A. Marston, G.J. Requardt (Board of Engineers), 1956. Report to District of Columbia, Department of Sanitary Engineering on Sewage Treatment Plant. D.C.

Greeley, S.A., F.A. Marston, G.J. Roquardt (Board of Engineers), 1957. Report to District of Columbia, Department of Sanitary Engineering on Improvement to Sewage System. Washington, D.C.


Maryland Department of the Environment, Sediment and Stormwater Administration. 1987. Wetland Basins for Stormwater Treatment: Discussion and Background. 118 pages, $4 per copy.


Maryland Department of Natural Resources, 1981. Potomac River Environmental Flow-By Study. Annapolis, MD.


Metropolitan Area, Composted Sewage Sludge Market Study. Washington, D.C.


Roy F. Weston, Inc. and Maryland National Capital Park and Planning Commission, 1975., A Comprehensive Storm Water Management Study for the Anacostia River Basin in Prince George's and Montgomery Counties, MD. MDb-17


VI. Climate and Hydrologic Processes


Chang, Fred M., Mamadou H. Watt, and Huong Trong. 1986. Study of Erosion and Sedimentation of Selected Small Streams in the District of Columbia. DC WRRC Report No. 75


Lindsey, Greg. 1991 Update to a Survey of Stormwater Utilities. Maryland Department of the Environment, Sediment and Stormwater Administration. 2 pages.


