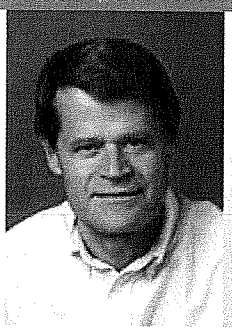

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Kenneth H. Reckhow

Professor of Water Resources
Environmental Sciences and Policy Division, Chair

BS, Engineering Physics, Cornell University
MS, **PhD**, Environmental Science and Engineering, Harvard University

Reckhow's expertise lies in water quality assessment and management. Water quality modeling. Risk Assessment. Decision analysis. Director, Center for the Analysis and Prediction of River Basin Environmental Systems (CARES).

Primary area of expertise: Water and Air Resources

Secondary areas of expertise: decision analysis, statistics, wetland ecology

Web links:

- Water Resources Research Institute at North Carolina State University, Kenneth H. Reckhow, Director
- Center for the Analysis and Prediction of River Basin Environmental Systems (CARES)
- Dr. Reckhow's webpage at WRRI

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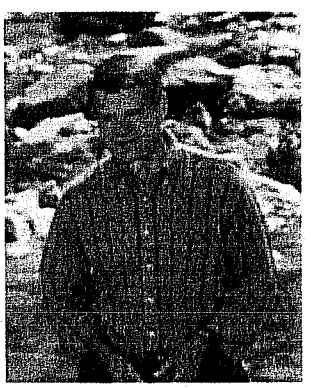

Dr. Reckhow's research activities have concerned the development, evaluation, and application of models and other assessment techniques for the management of water quality. Recent work by Professor Reckhow's group has focused on the assessment of nonpoint source pollution on surface water quality and the development of "Total Maximum Daily Loads" (TMDLs). For example, a current project involves the modeling and assessment of allowable nitrogen loads to the Neuse River Estuary in North Carolina in order to achieve compliance with the chlorophyll standard. Dr. Reckhow was recently chair of the National Academy of Sciences Committee assessing the scientific basis of the EPA TMDL program.

In addition to his faculty position at Duke, Dr. Reckhow is director of The University of North Carolina Water Resources Research Institute. He currently serves as President of the National Institutes for Water Resources, Chair of the North Carolina Sedimentation Control Commission, Chair of the NASULGC Water Board, and on the Boards of the Universities Council on Water Resources and the American Water Resources Association. He is serving, or has served on the editorial boards of Water Resources Research, Water Resources Bulletin, Lake and Reservoir Management, Journal of Environmental Statistics, Urban Ecosystems, and Risk Analysis.

Publications

Borsuk, M.E., D. Higdon, C.A. Stow, and **K.H. Reckhow**. 2001. A Bayesian Hierarchical Model to Predict Benthic Oxygen Demand from Organic Matter Loading in Estuaries and Coastal Zones. Ecological Modelling. 143:165-181.

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Teaching

- ENV 335 Water Quality Management

Graduate Students

Neuse River Modeling and Monitoring for nitrogen TMDL