

# WATERlines

SENATOR GEORGE J. MITCHELL CENTER  
for Environmental and Watershed Research

March 2001 · Vol. 7 · No. 1

## Maine Water Conference 2001

· May 3, 2001 - Augusta Civic Center - North Wing ·

Sponsored by: · University of Maine · Consumers Maine Water Company ·  
· Department of Environmental Protection · Department of Human Services/Division of Health Engineering ·  
· Maine Coastal Program / State Planning Office · Maine Geological Survey ·  
· Maine Rural Water Association · Maine Water Utilities Association · Maine Volunteer Lake Monitoring Program ·  
· Portland Water District · U.S. Geological Survey · U.S. Environmental Protection Agency · Acadia National Park ·

# Agenda

- 8:00 a.m. **Registration, Posters and Exhibits Viewing**
- 8:30 a.m. **Welcoming Address**  
*Phil Boissoneault*, Portland Water District
- 8:45 a.m. **Policy Driving Science: The Acid Deposition/Forest Decline Example**  
*Richard Jagels*, Forest Biology, University of Maine
- 9:05 a.m. **Water Quality and Public Health**  
*Jeffrey Griffiths*, Tufts Medical Center
- 9:25 a.m. **An Overview of the Threat of Invasive Aquatic Species to Maine Waters**  
*Scott Williams*, Maine Volunteer Lake Monitoring Program
- 9:45 a.m. **Break, Posters & Exhibits Viewing**
- 10:20 a.m. **Sustainable Water Withdrawal**  
*David Van Wie*, Maine Dept. of Environmental Protection
- 10:40 a.m. **Stream Assessment and Restoration Using Applied Fluvial Geomorphology**  
*Jock Conyngham*, Trout Unlimited
- 11:00 a.m. **Water Contamination in the New Decade: What we can expect to see**  
*Bruce Hunter*, Maine Dept. of Environmental Protection
- 11:20 a.m. **The Maine State Climate Office and its Role in Evaluating Maine's Water Resources**  
*Gregory Zielinski*, Maine State Climatologist  
Institute for Quaternary and Climate Studies, University of Maine
- 11:40 a.m. **Poster Judging Announcement**
- 12:00 - 1:00 p.m. **Lunch (Included)**
- 1:00 - 4:00 p.m. **Concurrent Sessions**  
Session A: Stream & River Water Quality  
Session B: How Wetlands Work  
Session C: Drinking Water & Health  
Session D: Atmospheric Deposition & Water Quality  
Session E: Water Contamination & Remediation  
Session F: Special Session/Invasive Aquatic Plants
- 4:15 p.m. **Informal social hour at Holiday Inn**



# Maine Water Conference 2001

The Maine Water Conference was founded in 1994 by the University of Maine - Senator George J. Mitchell Center as an annual forum for water resource professionals, researchers, consultants, citizens, students, regulators, and planners to exchange information and present new findings on water resources issues in Maine.

The format is a morning plenary session, followed by six concurrent sessions in the afternoon. The plenary session introduces some of the issues and topics that will be discussed in detail in the afternoon sessions, allowing conference attendees to be exposed to a variety of water related topics. The afternoon sessions will explore specific topics in more detail.

During breaks and lunch, posters and displays by organizations, agencies, departments, consultants and businesses are available for viewing and discussion. Because the MWC is the main meeting for many Maine water resource professionals, adequate breaks are intended to allow for one-on-one networking and discussion.


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## Session Highlights

### Stream & River Water Quality




Discussion of a variety of issues related to stream and river quality in Maine. Topics to be covered include the investigation of land-use impacts on water quality and aquatic habitats, undergraduate-community partnerships in water quality assessment and others.

 Session Chair:  
Jeff Varricchione, Maine Dept. of Env. Protection

### How Wetlands Work




Wetlands from A to Z. This session will explore what is a wetland and the functions they perform in the landscape. These include the chemistry and hydrology of wetlands as well as the associated ecosystems.

 Session Co-Chairs:  
Andrew Reeve, UMaine Dept. of Geological Sciences  
Aram Calhoun, UMaine Plant, Soil & Env. Sciences

### Drinking Water & Health




The relationship between public health and water quality, plus the connection with the Source Water Protection Project. The importance of protecting public health through safe drinking water is the focus of this session. This is a shared mission between public health departments and water utilities. The session will cover the role of source water protection in supporting this mission.

 Session Co-Chairs: (pictured top to bottom)  
Andrews Tolman, Maine DHS/Drinking Water Program  
Jeff McNelly, Maine Water Utilities Association

### Water Contamination & Remediation



Current and future issues related to cleaning up chemically-contaminated water. The impact and remediation of hazardous substances to water quality is the focus of this session. Are we making progress? What problems should we expect in the future?

 Session Chair:  
Bruce Hunter, Maine Dept. of Env. Protection

### Special Session: Invasive Aquatic Plants




Invasive aquatic plants are posed to invade Maine and legislation is pending to protect our lakes. This session will cover the threats to lakes, occurrences in New England, successful management of invasive plants, and pending legislation.

 Session Chair:  
Scott Williams, Maine Volunteer Lake Monitoring Program

### Atmospheric Deposition & Water Quality



The connection between air pollution and water quality has been known for more than 50 years. This session will cover how atmospheric deposition of certain pollutants has changed over time, how it has affected water quality and biota, and how the environment may change in response to cleaner air.

 Session Co-Chairs: (pictured top to bottom)  
Richard Jagels, UMaine Forest Biology  
Steve Norton, UMaine Dept of Geological Sciences

# Individual Registration Form

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Registration fee includes all conference sessions, breaks, and lunch. Early registration is suggested and limited to 250 attendees. Late registrations cannot be guaranteed acceptance. Please return completed registration form and payment (payable to University of Maine) to:



## *Maine Water Conference 2001*

The Mitchell Center, 5764 Sawyer Res. Ctr., University of Maine, Orono, ME 04469-5764  
Tel: 207/581-3244 Fax: 207/581-3290 Email: wrilines@maine.edu www.umaine.edu/WaterResearch

- Check Enclosed (before or on April 13) \$35.00       Bill my organization \$45.00  
(after April 13 or at the door) \$45.00      Student registration available upon request

Name: \_\_\_\_\_ Organization: \_\_\_\_\_

Address: \_\_\_\_\_ City/State/Zip: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

TEL: \_\_\_\_\_ FAX: \_\_\_\_\_ EMAIL: \_\_\_\_\_

For room size planning logistics, please indicate which afternoon concurrent session is of greatest interest to you:

- Session A. Stream & River Water Quality       Session B. How Wetlands Work  
 Session C. Drinking Water & Health       Session D. Atmospheric Deposition & Water Quality  
 Session E. Water Contamination & Remediation       Session F. *Special Session* - Invasive Aquatic Plants

# Exhibit Registration Form

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Display spaces are limited. Fees are \$150.00 for commercial organizations. Special arrangements will be made for nonprofit and government agencies. Display fees includes luncheon and registration for one attendee. Please return this form and payment (payable to University of Maine) no later than April 13, 2001 to:



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Name: \_\_\_\_\_ Organization: \_\_\_\_\_

Address: \_\_\_\_\_ City/State/Zip: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

TEL: \_\_\_\_\_ FAX: \_\_\_\_\_ EMAIL: \_\_\_\_\_

- Check Enclosed       Promotional Materials (250 copies suggested)       Electricity required?

# Maine Water Conference 2001

The Maine Water Conference is designed to meet the needs of individuals and organizations with water management interests and responsibilities including:

*consultants · water suppliers · policy makers  
utility managers · lake association members  
code enforcement officers · interested citizens  
planning board members · scientists  
Co-op Extension educators · engineers  
students · environmental policy advocates*



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Tel: (207) 581-3244 · Fax: (207) 581-3290 · [wrlines@maine.edu](mailto:wrlines@maine.edu) · <http://www.umaine.edu/WaterResearch>

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## Maine Water Conference 2001

*May 3, 2001 · Augusta Civic Center*

### MWC 2001 Organizing Committee:

Phil Boissonneault, Portland Water District · David Breau, Maine DHS/Drinking Water Program  
Jennie Bridge, U.S. EPA, Region 1, New England · Dave Courtemanch, Maine Dept. of Env. Protection  
Judy Hayes, Consumers Maine Water Company · John Jemison, UMaine Cooperative Extension  
Steve Kahl, UMaine Mitchell Center · Betty Lee, UMaine Mitchell Center  
Robert Lent, U.S. Geological Survey · Kathleen Leyden, State Planning Office  
Marc Loiselle, Maine Geological Survey · Jeff McNelly, Maine Water Utilities Association  
Martha Nielsen, U.S. Geological Survey · John Peckenham, UMaine Mitchell Center  
Marilyn Smith-Church, U.S. EPA, Region 1, New England · Paula Thomson, Maine Rural Water Association  
Andrews Tolman, Maine Dept. of Env. Protection · Lan Tornes, U.S. Geological Survey  
Jeffrey Varricchione, Maine Dept. of Env. Protection  
Laura Wilson, UMaine Cooperative Extension · Don Witherill, Maine Dept. of Env. Protection

*MWC 2001 Co-Chairs: John Peckenham, UMaine Mitchell Center  
Phil Boissonneault, Portland Water District*