

# NWQEP NOTES

The NCSU Water Quality Group Newsletter

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## 1998 INDEX OF NWQEP NOTES ARTICLES

The following is a topic index of major articles published in NWQEP NOTES during 1998. Articles are listed under one or more topic areas. Issue number and date of publication are given in parentheses. This annual index is intended for use by readers who do not have access to the Internet.

A continuously updated index of NWQEP NOTES articles published since 1989 is accessible on the World Wide Web at <http://www5.bae.ncsu.edu/programs/extension/wqg/issues/Default.htm>. Articles are listed by topic, first author, and date of publication.

Back issues of NWQEP NOTES are available upon request from: Publications Coordinator, NCSU Water Quality Group, Campus Box 7637, Raleigh, NC 27695-7637, Tel: 919-515-3723, Fax: 919-515-7448, email: [wq\\_puborder@ncsu.edu](mailto:wq_puborder@ncsu.edu).

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## EDITOR'S NOTE

In this issue of *NWQEP NOTES*, we include an index of articles published in this newsletter during 1998.

I would like to direct our readers' attention to the Call for Abstracts on page 5 of this newsletter for the Seventh National Nonpoint Source Monitoring Workshop, to be held in Morro Bay, California, September 13-17, 1999. The theme of this year's conference is linking water and habitat improvements to land treatment. The conference will highlight progress of the U.S. EPA National Monitoring Program (NMP) projects as well as other watershed and nonpoint source pollution control projects. Abstracts for presentations and posters will be accepted through April 23, 1999. Project personnel associated with the NMP are strongly encouraged to submit abstracts.

As always, please feel free to contact me regarding your ideas, suggestions, and possible contributions to this newsletter.

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*NWQEP NOTES* is issued bimonthly. Subscriptions are free. *NWQEP NOTES* is also available on the World Wide Web at <http://www.bae.ncsu.edu/bae/programs/extension/wqg/issues/index.html>. To request that your name be added to the mailing list, use the enclosed publication order form or send an email message to [wq\\_puborder@ncsu.edu](mailto:wq_puborder@ncsu.edu). A publications order form listing all publications on nonpoint source pollution distributed by the NCSU Water Quality Group is included in each hardcopy issue of the newsletter and is also available at [http://www.bae.ncsu.edu/bae/programs/extension/wqg/issues/pub\\_order.html](http://www.bae.ncsu.edu/bae/programs/extension/wqg/issues/pub_order.html)

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Production of *NWQEP NOTES* is funded through U.S. Environmental Protection Agency (EPA) Grant No. X825012. Project Officer: Tom Dav-enport, Office of Wetlands, Oceans, and Watersheds, EPA. 77 W. Jackson St. Chicago, IL. 60604 Web Site:<http://www.epa.gov/OWOW/NPS>

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# INFORMATION

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## Inventory of Watershed Training Courses

If you are interested in taking a watershed-related training course in 1999, then check out EPA's recently published *Inventory of Watershed Training Courses*. A key action item in the Clean Water Action Plan, this Inventory provides one-page summaries of 180 watershed-related training courses sponsored by federal and state agencies and the private sector. The course summaries provide information to determine your level of interest and contacts for further information.

The *Inventory of Watershed Training Courses* is available on the EPA's Office of Wetlands, Oceans, and Watersheds website at the following address: <http://www.epa.gov/OWOW/watershed/wacademy/catalog.html>

Free copies of the Inventory are also available from NCEPI at 800-490-9198 (please include the document number in requests: 841-D-98-001).

## Interagency Stream Restoration Handbook Now Available

The *Stream Corridor Restoration: Principles, Processes, and Practices* handbook is now available in its final form from the National Technical Information Service. The handbook was developed as part of a cooperative effort by 17 federal agencies to document stream corridor restoration design, planning, and implementation. The handbook serves as a technical reference with expert advice and field-tested methods to help protect and improve the nation's stream corridors.

Copies are available in paper form (\$71) or on CD-ROM (\$60). To obtain a copy, call the NTIS Sales Desk at (800) 553-NTIS (ext. 6847), or visit the NTIS website at [www.ntis.gov](http://www.ntis.gov)

## Manual Promotes On-Farm BMPs

*On-Farm Strategies to Protect Water Quality: An Assessment and Planning Tool for Best Management Practices in New Jersey* provides farmers with information on how they can voluntarily prevent and control NPS pollution on their farms. The manual was produced by the New Jersey Department of Agriculture through the New Jersey Department of Environmental Protection's Coastal Grant Program. The manual presents NRCS-recommended BMPs.

For a copy of the manual, contact the New Jersey Department of Agriculture at 609-292-5540.

## Sample Ordinances for Protecting Significant Coastal Habitats

Produced by the Association of New Jersey Environmental Commissions (ANJEC) through the New Jersey Department of Environmental Protection's Coastal Grant program, this booklet focuses on protecting migratory bird habitat, but many of the same techniques can be used for other types of coastal resource protection. Significant coastal habitat can include woodlands, marshland, and even backyards.

Model ordinances dealing with the following topics are included:

- ✱ Impact of new development on the community
- ✱ Flexible zoning techniques
- ✱ Open space planning and promotion
- ✱ Preservation of sensitive areas
- ✱ Landscaping and vegetation
- ✱ Stream corridor protection and stormwater management
- ✱ Dune protection

For a copy of the booklet, send \$5.50 (includes shipping and handling) to ANJEC, P.O. Box 157, Mendham, NJ 07945. Tel: 973-539-7547, email: [anjec@aol.com](mailto:anjec@aol.com)

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# MEETINGS

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## Notice of Training Event

**Phase II Stormwater Workshops:** Working through a grant from the U.S. Environmental Protection Agency, the American Public Works Association (APWA) has developed a training program for communities that will need to come into compliance with the Phase II National Pollutant Discharge Elimination System regulations governing stormwater runoff. The official rule is scheduled to be issued by the EPA in March of 1999.

APWA has conducted several workshops in 1998 and will continue the series of one-day workshops around the country throughout 1999. These workshops offer a comprehensive explanation of the regulations, the requirements, the safeguards for each community, and the liabilities to which an agency could be exposed.

The workshops are designed to be a highly interactive resource for local government officials, administrators, and public works departments by providing the opportunity for practitioners to share their regional expertise and concerns.

For more information, contact Cheryl McOsker, American Public Works Association, 2345 Grand Boulevard, Suite 500, Kansas City, MO 64108-2641. Tel: 816-472-6100, Fax: 816-472-1610, email: cmcosker@apwa.net

**Delineation of Piedmont and Coastal Plain Jurisdictional Wetlands: May 24-29, 1999, Raleigh and New Bern, NC.**

This workshop is designed to equip foresters and consultants with the knowledge and field skills necessary for wetland delineation and application of 404 regulations. The course includes extensive field practice in different forested wetland types within North Carolina. For information contact Jennifer Barnes, Forestry Educational Outreach Program, North Carolina State University, Box 8003, Raleigh, NC 27695. Tel: 919-515-3184, Fax: 919-515-6883, email: barnes@cfr.cfr.ncsu.edu, web site: <http://www.ces.ncsu.edu/nreos/forest/feop>

## Call for Papers

**Conservation 2000: Conference to Highlight Local, State and Federal Programs:** December 15-17, 1999, New Orleans, Louisiana. This conference, sponsored by the U.S. Environmental Protection Agency and the U.S. Department of Agriculture, will highlight soil and water quality improvements made possible by local, state and federal programs. The conference will provide presentations of the leading programs and projects from the last two decades and provide insight for the next millenium.

Conference presentations will focus on soil conservation, water quality and quantity projects on the first two days. An executive session for policy makers, as well as invited presentations designed to challenge the ways projects and programs are conducted, will be held the third day. Additional workshop(s) will be scheduled prior to the conference.

Abstracts for oral or poster presentations should be submitted by **April 26, 1999**. For more information, contact the Conservation Technology Information Center at (765) 494-9555 or e-mail [ctic@ctic.purdue.edu](mailto:ctic@ctic.purdue.edu) Proceedings of the conference will be published and a copy provided to the attendees.

## Meeting Announcements — 1999

### March

**5th Annual New York State Wetlands Forum Conference – “Balancing Wetlands Interests, Science, Policy and Economics”:** March 23-24, Syracuse, NY. Association Offices, P.O. Box 1351, Latham, NY 12110-1351. Tel: 518-783-1322, email: [nywf@capital.net](mailto:nywf@capital.net), web site: <http://www.capital.net/com/nywf/index.html>

**Unpaved Roads Erosion and Sediment Control Conference:** March 30-31, Troy State University, Troy, AL. Michael Mullen, Center for Environmental Research and Service, Troy State University, Troy, AL 36082. Tel: 334-670-3624, email: [mmullen@trojan.troyst.edu](mailto:mmullen@trojan.troyst.edu)

### May

**Sixth National Watershed Conference: May 16-19, Austin, TX.** John Peterson, Executive Director, National Watershed Coalition, 9304 Lundy Court, Burke, VA 22015-3431. Tel: 703-455-6886, Fax: 703-455-6888, email: [jwpeterson@erols.com](mailto:jwpeterson@erols.com)

**International Conference on Diffuse Pollution: May 16-21, Perth, Western Australia.** Dianne McLeod, Conference Secretariat, P.O. Box 257, South Perth, WA 6951. Tel: +61 8 9450 1662, Fax: +61 8 9450 2942, email: [convlink@wantree.com.au](mailto:convlink@wantree.com.au), web site: <http://www.environ.wa.gov.au>

**American Geophysical Union 1999 Spring Meeting: May 31-June 4, Boston, MA.** AGU Meetings Department, 1999 Spring Meeting, 2000 Florida Ave, NW, Washington, DC 20009. Tel: 202-462-6900 or 1-800-966-2481, Fax: 202-328-0566, email: [meetinginfo@agu.org](mailto:meetinginfo@agu.org), web site: <http://earth.agu.org/>

### June

**26th Annual Water Resources Planning and Management Conference: Preparing for the 21st Century: June 6-9, Tempe, Arizona.** ASCE Conferences, 1801 Alexander Bell Drive, Reston, VA 20191-4400. Tel: 1-800-548-2723 (ASCE) or 703-295-6300, Fax: 703-295-6144, email: [conf@asce.org](mailto:conf@asce.org), web site: <http://waterqq.asce.org>

**Workshop on Atmospheric Nitrogen Compounds II – Emissions, Transport, Transformation, Deposition, and Assessment: June 7-9, Chapel Hill, NC.** Symposium on Atmospheric Nitrogen Compounds. Professor Viney P. Aneja, Department of Marine, Earth and Atmospheric Sciences, P.O. Box 8208, 1125 Jordan Hall, North Carolina State University, Raleigh, NC 27695-8208, Tel: 919-515-7808, Fax: 919-515-7802, email: [viney\\_aneja@ncsu.edu](mailto:viney_aneja@ncsu.edu), web site: <http://www2.ncsu.edu/ncsu/CIL/WRRI/nitrocall.html>

**3rd National Workshop on Constructed Wetlands/BMPs for Nutrient Reduction and Coastal Water Protection: June 9-12, New Orleans, Louisiana.** Contact Dr. Frank Humenik, Box 7927, North Carolina State University, Raleigh, NC 27695-7927. Tel: 919-515-6767, Fax: 919-513-1023, email: [frank\\_humenik@ncsu.edu](mailto:frank_humenik@ncsu.edu), web site: [http://www.cals.ncsu.edu/waste\\_mgt/workshop.html](http://www.cals.ncsu.edu/waste_mgt/workshop.html)

**2nd Annual Mitigation Banking Conference: June 13-15, Atlanta, Georgia.** Contact Erin Foster, Terrene Institute, 4 Herbert Street, Alexandria, VA 22305, Tel: 703-548-5473, Fax: 703-548-6299, email: [terrinst@aol.com](mailto:terrinst@aol.com), web site: <http://www.terrene.org>

### August

**Stream Restoration and Protection Conference: August 18-19, Asheville, NC.** NCSU Water Quality Group, Attn: Terry Pollard, North Carolina State University, Box 7637, Raleigh, NC 27695-7637. Tel: 919-515-3723, Fax: 919-515-7448, email: [will\\_harman@ncsu.edu](mailto:will_harman@ncsu.edu). Information and online registration at <http://www5.bae.ncsu.edu/programs/extension/wqg/>.

### September

**Sand Rights '99 – Bringing Back the Beaches: September 23-26, Ventura, CA.** Lesley Ewing, President, California Shore and Beach Preservation Association, Tel: 415-904-5291, Fax: 415-904-5400, email: [lewing@coastal.ca.gov](mailto:lewing@coastal.ca.gov), web site: <http://www-ccs.ucsd.edu/csbpa>

## October

**Confronting Uncertainty: Managing Change in Water Resources and the Environment: October 27-29, Vancouver, Canada.** The British Columbia Branch of the Canadian Water Resources Association (CWRA-BC), Dr. Yassine Djebbar, Program Chair, BC-CWRA Annual Conference, Greater Vancouver Regional District, 4330, Kingsway, 7th Floor, Burnaby, BC V5H 4G8. Tel: 604-450-6053, Fax: 604-436-6714, email: ydjebbar@gvr.bc.ca



## Call for Presentations

### **Seventh National Nonpoint Source Monitoring Workshop: Linking Water and Habitat Improvements to Land Treatment**

**September 13-17, 1999, Morro Bay, California**

The National Nonpoint Source Monitoring Program Workshops bring together land managers and water quality specialists and offers a forum to share valuable information on the effectiveness of Best Management Practices (BMPs) in improving water and habitat quality. The workshop will focus on the successes of Section 319 watershed projects from across the country and address some of the current challenges in the treatment and monitoring of nonpoint source pollution. Effective techniques to monitor cropland, rangeland, and urban stormwater BMPs along with the application of statistical analyses to document measurable changes in water and habitat quality data will be featured. The progress of the individual National Monitoring Program (NMP) projects will be highlighted, as will other innovative water quality monitoring techniques and projects.

Throughout the week, workshop attendees will participate in technical sessions focused on detecting water and habitat quality improvements resulting from implementation of land management practices. Watershed field tours will be offered to ranches demonstrating managed grazing techniques and restoration projects designed to improve water and habitat quality of creeks flowing to Morry Bay.

Papers and Posters should focus on one of the following session topics:

- Detecting measurable change in water and habitat quality resulting from implementation of effective BMPs
- Use of National Monitoring Program data to develop and implement Total Maximum Daily Loads (TMDLs)
- Methods of estimating pollutant loadings
- Stream restoration, riparian buffers, and grazing management

Deadline for abstract submission is **April 23, 1999.**

For more information on submitting an abstract for a paper or poster presentation, please contact Katie Kropp at (805) 549-3336 or [Kkropp@rb3.swrcb.ca.gov](mailto:Kkropp@rb3.swrcb.ca.gov), or visit our website at [www.mbnep.org](http://www.mbnep.org)

## **NWQEP NOTES: History and Purpose**

The National Water Quality Evaluation Project (NWQEP) was initiated in 1980 through a U.S. Department of Agriculture (USDA) grant to the NCSU Water Quality Group at North Carolina State University. The purpose of this grant was to provide technical assistance to 21 federally sponsored experimental agricultural nonpoint source pollution control projects funded through the Rural Clean Water Program (see *NWQEP NOTES* issue #58). *NWQEP NOTES* — *The NCSU Water Quality Group Newsletter* originated as part of this effort and has been published since 1983.

The purpose of the newsletter is to provide current technical information on nonpoint source pollution prevention and control, including federal, state, and local initiatives and projects; new technologies and approaches; and useful publications. *NWQEP NOTES* is also intended to facilitate multi-disciplinary networking by professionals working in the nonpoint source pollution control field.

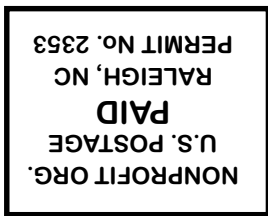
*NWQEP NOTES* is distributed free to over 1,800 water quality managers, land treatment specialists, and other natural resource professionals in all 50 states and 14 other countries. Publication of the newsletter has been supported through grants from USDA (1983 – 1994) and the U.S. Environmental Protection Agency (1994 – present).

*NWQEP NOTES* is issued bimonthly. Subscriptions are free. To request that your name be added to the mailing list, use the enclosed publication order form or contact the Publications Coordinator, NCSU Water Quality Group, Campus Box 7637, Raleigh, NC 27695-7637, Ph: 919-515-3723, Fax: 919-515-7448, or by email: [wq\\_puborder@ncsu.edu](mailto:wq_puborder@ncsu.edu).

## **Accessing NWQEP NOTES on the World Wide Web**

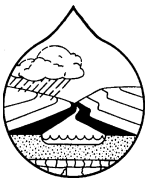
*NWQEP NOTES* is accessible on the World Wide Web at <http://www.bae.ncsu.edu/bae/programs/extension/wqg/issues/index.html>. From the index page you may choose 1) the cumulative index of articles, which is organized by topic and first author, 2) an issue number or date, or 3) an article listed under a particular issue number. Issues 47 (March 1991) through the present are on-line.

A publications order form listing all publications on nonpoint source pollution distributed by the NCSU Water Quality Group is included in each hardcopy issue of the newsletter and is also available at [http://www.bae.ncsu.edu/bae/programs/extension/wqg/issues/pub\\_order.html](http://www.bae.ncsu.edu/bae/programs/extension/wqg/issues/pub_order.html).



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