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# New Waves

*Texas Water Resources Institute's E-Newsletter*

*Breaking news about water resources research and education at Texas universities*

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**October 29, 2009**

## **Land, Water, People 2009 to be held on Nov. 16-18**

As part of its annual conference series and its Initiative for Watershed Excellence program, the [River Systems Institute](#) will host [Land, Water, People 2009](#) on Nov. 16-18 at the San Marcos Conference Center.

The program of more than 75 expert presenters and workshop facilitators will explore the potential to more effectively manage and protect water resources, on both a local and regional scale, through applications to these interfaces within watershed and community dynamics: Natural Systems Interface, Natural and Human Systems Interface, and People to People Interface.

The event will culminate with a panel of representatives from various major water resources management programs in [Environmental Protection Agency](#) (EPA) Region 6 and key decision makers in statewide water related issues, emphasizing the processes by which these programs integrate with each and challenges they face in achieving preferred levels of integration.

The full agenda is available at <http://www.rivers.txstate.edu/projects/conferences/Land-Water-People-09.html>. For further information, contact conference coordinator **Annette Paulin** at 512-754-9179 or [conference09@grandecom.net](mailto:conference09@grandecom.net).

## **TWRI featured in True Maroon magazine**

The most recent issue of The Association of Former Students' [True Maroon](#) online magazine features the [Texas Water Resources Institute](#) (TWRI). The article, titled "More than a Drop in the Bucket," discusses TWRI's collaborative projects throughout the state, including projects in the Rio Grande Valley, Fort Hood, and Lake Granbury.

## **Key EPA Internet Tools course to be held Nov. 19**

Sponsored by [Environmental Protection Agency](#) (EPA) Region 6, a Key EPA Internet Tools course will be conducted by the [Texas Water Resources Institute](#) on Nov. 19 at the River Systems Institute in San

Marcos. The course is a comprehensive, two-part course designed to familiarize users with watershed management tools provided online by EPA.

For more information, visit <http://www.epa.gov/owow/watershed/wacademy/epatools/>. To register, see <http://watereducation.tamu.edu/keyepa.php> or contact **Courtney Swyden** at [CMSwyden@ag.tamu.edu](mailto:CMSwyden@ag.tamu.edu).

### **Engledow joins TWRI staff**

[Texas Water Resources Institute](#) (TWRI) is pleased to announce the recent addition of Dr. Amanda Engledow as a project manager. Engledow earned her bachelor's in bioenvironmental science in 2001 and her doctorate in plant pathology in 2006, both from Texas A&M University. She previously held a postdoctoral position in A&M's Department of Soil and Crop Sciences, working with Dr. Terry Gentry.

### **Save the date for water funding workshop**

[Texas Water Resources Institute](#) will be sponsoring a meeting titled "Funding Your Water Program: One-on-One with Water Agencies" on Jan. 11, 2010, as part of the annual Texas A&M AgriLife conference. The tentative time for the interactive session is 1-4:30 p.m., and the location will be announced at a later date.

This workshop is for research and Extension faculty from Texas AgriLife as well as other universities with interest and expertise in developing collaborative water research and Extension programs. Key state and federal water agency personnel will discuss the agency roles, research and education needs, collaboration opportunities, and available funding programs.

### **H2O4TEXAS event set for Nov. 16-17 in Fort Worth**

[H2O4TEXAS: The Water Event](#), sponsored by **Sen. Kip Averitt** and **Rep. Allen Ritter**, will be at the Omni Hotel in Fort Worth, Nov. 16-17. The event aims to increase public awareness of the critical water shortfalls facing Texas and begin mobilizing support for full implementation of the State Water Plan. The ongoing H2O4TEXAS campaign plans to continue pursuing this goal before and after The Water Event.

Dr. Robert Glennon, author of the book *Unquenchable: America's Water Crisis and What To Do About It*, is the featured speaker. For more information and registration, visit <http://www.texaswater.org/waterfortexas/index.html>.

### **TWRI to host EPANet course in Dallas**

[Texas Water Resources Institute](#) (TWRI) will host the Modeling of Water Distribution Systems using EPANet course on Dec. 9-11 at the Texas AgriLife Research and Extension Urban Solutions Center in Dallas.

The course will focus on fundamental concepts of pressure conduit system modeling and implementation of modeling applications using EPANet and the EPANet Toolkit. Participants will work through several hands-on exercises using the EPANet software and learn basic techniques for using the EPANet Toolkit from the Visual Basic for Applications module of Microsoft Excel.

Participants will learn the following skills:

- Creating new water distribution system models in EPANet,
- Simulating new and existing models for a variety of applications,
- Processing EPANet output in a variety of forms to generate useful tables, graphs, and maps,
- Linking GIS data with EPANet using public-domain utility programs, and
- Creating advanced simulations and output processing using the EPANet Toolkit and Visual Basic for Applications.

Course instructor **Dr. Kelly Brumbelow**, assistant professor in the Zachry Department of Civil Engineering at Texas A&M University, has more than 14 years experience in water resources engineering, planning, and management.

For more information, contact **Courtney Swyden** at [CMSwyden@ag.tamu.edu](mailto:CMSwyden@ag.tamu.edu), or visit <http://watereducation.tamu.edu> to register for the course.

### **Getting in Step course takes water education on the road**

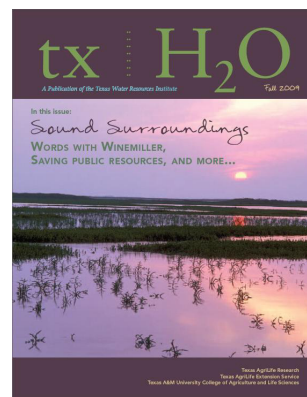
Texas Water Resources Institute's [Water Resources Training Courses](#) program went on the road in September, hosting Getting in Step Workshops in Houston, Austin, and Dallas.

These workshops, organized by TWRI, developed and led by Tetra Tech, and funded by the [U.S. Environmental Protection Agency](#), taught participants how to conduct watershed outreach campaigns to help reduce nonpoint source (NPS) and stormwater pollution, improve water quality on a priority watershed basis, and facilitate greater total maximum daily load and watershed-based plan implementation.

### **New issue of txH2O**

[Texas Water Resources Institute](#) has released the latest edition of its [txH2O magazine](#), published three times per year. This issue features information on environmental flows, Texas A&M AgriLife researchers, and innovative in-home conservation tips.

You can view the newest issue at <http://issuu.com/twri/docs/txh2o-v5n2> or subscribe to txH2O at <https://twri.tamu.edu/subscribe.php>.



### **Short course in Bandera draws a crowd**

The third [Texas Watershed Planning Short Course](#) was held Aug. 17-21 at the Mayan Dude Ranch in Bandera, with more than 44 water professionals attending. The course is sponsored by the Texas Water Resources Institute and funded by the [Texas Commission on Environmental Quality](#) and the [U.S. Environmental Protection Agency](#).

The goal of the weeklong course is to equip watershed coordinators and water professionals with the tools they need to plan, coordinate, and implement watershed protection efforts. The course covers

partnership building; identifying solutions; watershed characterization and designing an implementation program.

The next short course is scheduled for May 10-14, 2010.

### **Texas Recycles Day and America Recycles Day - Nov. 15**

[Texas Recycles Day](#), held on Nov. 15 of each year, is a statewide public awareness campaign educating Texans about the environmental and economic benefits of waste reduction and recycling. It served as the model for the development of [America Recycles Day](#). Texas Recycles Day is working in cooperation with the [State of Texas Alliance for Recycling \(STAR\)](#), formerly known as the Recycling Alliance of Texas, to give all Texas communities access to America Recycles Day materials and resources. For free recycling graphics and downloads, visit <http://www.recyclingstar.org/downloads.html>.

### **New Publications/Papers**

**[Texas Watershed Steward Handbook: A Water Resource Training Curriculum](#) (reprint), AgriLife Bookstore B-6203, Jennifer Peterson, Mark L. McFarland, Nikkoal Dictson, Diana Boellstorff, Matthew Berg**

This curriculum is for participants in the Texas Watershed Steward program. It includes the background, principles, and tools you will need to become a Texas Watershed Steward. However, the information can help all citizens understand the need to care for our water resources. The book discusses the ways our watersheds are impaired and how they can be restored through proper management. It includes helpful resources such as lists of water quality agencies and organizations and suggested activities for communities.

**[Economic and Financial Methodology for South Texas Irrigation Projects—RGIDECON](#)©, M. Edward Rister, Callie S. Rogers, Ronald D. Lacewell, John R. C. Robinson, John R. Ellis, Allen W. Sturdivant, Texas Water Resources Institute TR-203 (Revised), 2009.**

This report is a revision of the original TR-203 report published in October 2002. There are only three substantial differences in this new, revised report. The first is the addition of *Financial* in the report's title to reflect the inclusion of financial aspects, along with economic, in the methodology. Second, is a clarification of the total economic-planning period variable, Z. The third revision is a correction to the annuity equivalent calculations.

### **TWRI Water Resources Training Courses**

<a href="#">SWAT for Beginners</a>	Nov. 2-3, 2009
<a href="#">Advanced Data Processing for ArcSWAT</a>	Nov. 4, 2009
<a href="#">SWAT for Advanced Users</a>	Nov. 5-6, 2009
<a href="#">Key EPA Internet Tools Course</a> in San Marcos	Nov. 19, 2009

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**New Waves** is an e-mail newsletter of [Texas Water Resources Institute](#), part of [Texas AgriLife Research](#),

the [Texas AgriLife Extension Service](#), and the [College of Agriculture and Life Sciences](#) at [Texas A&M University](#). **New Waves** publishes timely information about water resources news, results of projects and programs, and new water-related research projects, publications, papers and faculty, at universities in Texas.

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