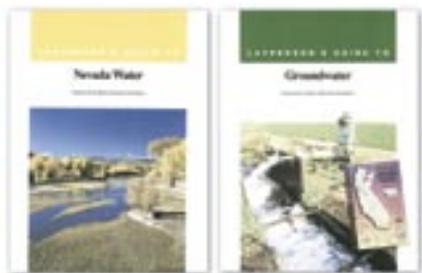


## Two New Guides Available from Water Education Foundation

The Water Education Foundation



(WEF) recently published two new guides, the *Layperson's Guide to Nevada Water* and a revised *Layperson's Guide to Groundwater*. The 24-page Nevada guide contains sections on water rights laws, a history of the Truckee and Carson rivers, and descriptions of water supplies for the Las Vegas area, groundwater, water quality, environmental issues, and today's water supply challenges. Development of the guide was funded by a grant from the U.S. Bureau of Reclamation.



The 20-page groundwater guide is geared toward Californians. It has been updated to include the latest information on groundwater management activities, groundwater pollution, and conjunctive use projects underway in California. It also includes background information on California groundwater law, groundwater geology, and groundwater use.

The guides cost \$7 (\$5 each for 10 or more) and are available from WEF's Web site, [www.watereducation.org](http://www.watereducation.org).

## NWRA Announces Two New Publications

The Nevada Water Resources Association



(NWRA) has two new publications available for purchase. *Nevada Water Law* was written by James H. Davenport, Division Chief for Water of the Colorado River Commission. The publication is intended to improve understanding of the laws associated with the increased demand on water resources due to growth and environmental factors. The Colorado River

Commission donated publication rights for the book to NWRA. The cost is \$34.50 for NWRA members and \$40 for non-members, plus \$3 per book for shipping.

Also available is *Water Rights in Nevada* by Michael D. Buschelman of Michael D. Buschelman Consulting, Inc. This publication contains a detailed explanation of Nevada Revised Statutes relating to water, information about water rights issues as they relate to the purchase and sale of real estate, a review of regulations for water resource administration, information on court cases that have initiated water law, examples of frequently encountered water rights-related scenarios and circumstances, and information and procedures regarding disclosure forms. This publication costs \$15 for NWRA members and \$22 for non-members, plus \$3 per book for shipping.

To order either book, contact Donna Bloom at 775-626-6389 or [donna30@sprynet.com](mailto:donna30@sprynet.com).

## Perchlorate Symposium Held in Sacramento

On July 31, 2003, the Groundwater Resources Association of California (GRA), in cooperation with several other professional organizations, presented a symposium titled "Perchlorate in Groundwater: Occurrence, Analysis and Treatment" in its series on groundwater contaminants. The symposium featured presentations on the occurrence and potential sources of perchlorate, its fate and transport characteristics, regulatory status, toxicology, and chemical detection challenges. The program also provided information about known impacts of perchlorate on water resources, as well as current remediation/water treatment options.



The symposium, featuring speakers from regulatory agencies, universities, national laboratories, and industry, attracted about 350 participants.

In addition to sessions on sources, occurrence, geochemistry, fate and transport, analysis and toxicity of perchlorate; perchlorate in California; and treatment and

remediation, experts participated in a panel discussion on policy and legal issues relating to perchlorate contamination.

GRA also coordinated a pre-symposium site visit to Aerojet's perchlorate treatment facility.

Visit [www.grac.org](http://www.grac.org)

## Arizona Hydrological Society Hosts 2003 Symposium

The Arizona Hydrological Society (AHS) hosted an event-packed annual symposium  from Sept. 17-20, 2003 in Mesa, Arizona. More than 300 people attended the event. Prior to start of the technical sessions, two workshops were offered: one on land subsidence monitoring using interferometric synthetic aperture radar (InSAR), and the other a workshop for science teachers.

Keynote speakers included Herb Guenther of the Arizona Department of Water Resources, Marios Sophocleous of the Kansas Geological Survey, William Alley of the U.S. Geological Survey, and Jack August of Northern Arizona University. As many as five concurrent sessions were held over two of the days, including special focus sessions on the Verde Valley and the Lower Colorado River.

A highlight of the meeting was Thursday night's entertainment featuring a Chautauqua, or living history presentation. Historians portrayed Los Angeles Water Superintendent William Mulholland, and activist Mary Hunter Austin as they debated the Owens Valley Project.

Dr. Lorne "Gray" Wilson was awarded the AHS Lifetime Achievement Award for his many contributions to hydrology, particularly in the fields of artificial groundwater recharge, soil aquifer treatment, and groundwater quality. At the University of Arizona from 1962 to 1994, he worked extensively in the field of vadose zone monitoring and is the senior editor of *The Handbook of Vadose Zone Characterization and Monitoring*.

Two field trips completed the symposium. One group visited the Pueblo Grande Museum and learned about the central role water has played in the development of the Phoenix area from prehistoric to modern times. The other field trip toured the Central Arizona Project's operations control center and the New Waddell pump generation facility at Lake Pleasant.

Visit [www.azhydrosoc.org](http://www.azhydrosoc.org).

## Experts Discuss Future of Rio Grande Basin

Article originally appeared in *WaterTechONLINE*, June 6, 2003

Water experts and officials from throughout Texas and New Mexico gathered recently at a conference in El Paso to discuss progress and goals of the Rio Grande Basin Initiative, a federally funded effort focused on efficient irrigation and water conservation in the region, *AG News*, at Texas A&M University, reported. Severe drought, an exploding population, new industries, and inefficient agriculture irrigation systems are some of the many factors contributing

to tremendous pressures on the Rio Grande, the newspaper said.

Recognizing that a total water management system for the basin was required to help meet the future water needs of Texas and New Mexico, the U.S. Congress in 2001 funded an extensive, three-year collaborative effort to develop a plan to expand efficient use of available water and create new water supplies, the newspaper said.

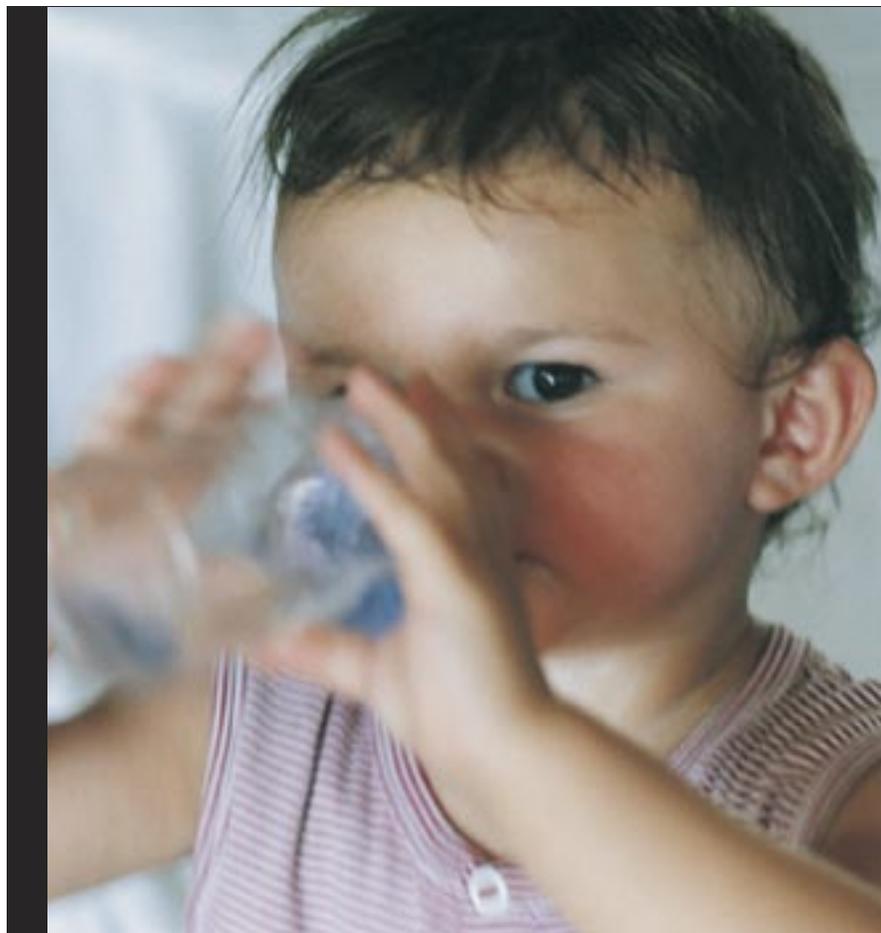
Administered through the USDA's Cooperative State Research, Education and Extension Service (CSREES), the initiative called on the Texas A&M University Agriculture Program and the New Mexico State University College of Agriculture and Home Economics to implement strategies for meeting present and future water demands in the Rio Grande Basin. Now in its third year, the program has gained momentum. Craig Runyan, of the New Mexico Cooperative Extension Service and project coordinator of the Rio Grande Basin Initiative, said the program almost daily adds new participants from various agencies and entities working on related water issues,

*AG News* reported.

Bill Harris, associate director of the Texas Water Resources Institute and project director for the Rio Grande Basin Initiative, said outcomes and accountability of initiative efforts need to be communicated effectively in order to continue the group's water conservation efforts. He pointed out that a team of economists with the project had documented astounding amounts of water that could be saved by renovating the infrastructure of aging irrigation districts in the Lower Rio Grande Valley.

"One analysis documented an expected net water savings of 138,019 acre feet of water, or 45 billion gallons, from renovations to the Harlingen Irrigation District Cameron County Number 1," Harris said. He added that other scientific studies in the initiative showed farmers could save 25 percent of the irrigation water they currently use simply by knowing and monitoring their crops' water requirements, the paper said.

For the complete article, visit [www.watertechonline.com](http://www.watertechonline.com)



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