



COLORADO

WATER RESOURCES RESEARCH INSTITUTE

About CWRI

As a headwaters' state, the heavens are Colorado's water supply. And there are thirsty states downstream! As a result, Colorado water managers and users contend with the fickle nature of weather (and climate); the allocation of limited water among competing sectors of Colorado's economy and environment; and satisfying agreements with downstream states.

CWRI, working closely with Colorado water managers and users, develops sound science to assist water managers in reducing conflict among water users.

CWRI facilitates the transfer of new water knowledge to water managers and also assists in educating the next generation of Colorado water managers.

Research

CWRI awarded three Water Fellowships for 2005/06:

- 💧 Kathleen DeJong, Colorado School of Mines, "Occurrence and Fate of Pharmaceuticals, Endocrine Disrupting Compounds and other Organic Wastewater Contaminants in Onsite Wastewater Systems"
- 💧 Julia Keedy, Colorado State University, "Hydrologic Analysis, Forecasting, and Simulation of the Upper Colorado River System"
- 💧 Jenny Thorvaldson, Colorado State University, "Colorado's Evolving Irrigated Agriculture: Economic Accounting and Impact Analysis"

CWRI thanks the following organizations for partial support of the Fellows: the Colorado River Water Conservation District, the Colorado School of Mines, and the Agricultural Experiment Station.

Outreach/Information Transfer

CWRI publications include research reports, the *WATER IN THE BALANCE* series which provides a reader-friendly summary of project results, and *COLORADO WATER*, a bimonthly newsletter containing information on research, faculty, conferences and other events with a water focus. Under the direction of Reagan Waskom, outreach activities are conducted in conjunction with CSU Cooperative Extension, the U.S. Department of Agriculture, the Colorado Department of Agriculture, the Environmental Protection Agency, and Cooperative State Research, Education and Extension Service.

Robert C. Ward, Director
Located on the campus of Colorado State University
E102 Engineering Building
Fort Collins, CO 80523
Phone: 970-491-6308
Fax: 970-491-1636
Email: cwri@colostate.edu
Website: <http://cwri.colostate.edu>

2003-2004 HIGHLIGHTS RESPONSE TO STATE NEEDS

💧 **Water Conservation Publications**

In collaboration with Colorado USDA-NRCS, CSU Cooperative Extension and CSU College of Agriculture -- Department of Soil and Crop Sciences, two publications address water conservation best management practices. *Stretching Urban Water Supplies In Colorado: Strategies For Landscape Water Conservation* and *Colorado High Plains Irrigation Practices Guide, Water Saving Options for Irrigators in Eastern Colorado* are both available through the Special Report Series. Available at cwri.colostate.edu .

💧 **Individual Sewage Disposal Systems**

This study investigates the impact of individual sewage disposal systems effluent on groundwater quality in a fractured, crystalline-rock-aquifer, typical of those in the western U.S. where wells and individual sewage disposal systems co-exist. Completion Report 200, *Investigation Of The Fate Of Individual Sewage Disposal System Effluent In Turkey Creek Basin, Colorado* by Kathy Dano, Eileen Porter and Geoff Thyne. Available at cwri.colostate.edu .

💧 **Arkansas Valley Salinity**

CWRI water researchers are working with local legislators and water leaders to find ways to alleviate crop yield reductions due to salinity.

💧 **Ohioview - SPMAP Coordination**

Working with Bureau of Reclamation to implement an ET-remote sensing Congressional initiative, the SPMAP project will enhance the current model with data collected from satellite photography.

💧 **Lysimeter**

State of Colorado and CWRI are working together to design two scientifically sound large weighing lysimeters and provide peer review of the designs. The lysimeters will be installed in the Arkansas Valley in support of the Arkansas River Compact settlement.

**Colorado Water Resources Research Institute
Advisory Committee On Water Research Policy
2005**

Senator Jim Isgar
Chair, Senate Agriculture, Natural Resources and Energy Committee

Rep. Kathleen Curry
Chair, House Agriculture, Livestock and Natural Resources Committee

Russell George
Executive Director, Department of Natural Resources

Steve Gunderson
Director, Water Quality Division, Department of Public Health and Environment

Don Ament
Commissioner, Department of Agriculture

Fred Anderson
Former President of the Colorado Senate

Sara Duncan
Public Relations, Denver Water

David Merritt
Chief Engineer, Colorado River Water Conservation District

John Porter
Retired Manager, Dolores Water Conservancy District

David Robbins
Hill and Robbins

Ralph Curtis
Manager, Rio Grande Water Conservation District

Ex Officio Members:

Lee Sommers
Director, Colorado Agricultural Experiment Station

Marc Johnson
Interim Director, Cooperative Extension

Jeff Jahnke
Director, Colorado State Forest Service