

SUMMER WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

**WATER RESOURCES
RESEARCH CENTER**

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The [Water Resources Research Center](#) - a research and [Extension](#) unit of the [College of Agriculture and Life Sciences](#)

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**ANNUAL
REPORT 2016**

WRRRC 2016 Annual Report Posted

The WRRRC's 2016 Annual Report has been released and posted to the WRRRC website. The report contains information on the accomplishments of WRRRC personnel and programs and highlights activities that have moved us toward achieving our strategic goals. Included with the report are appendixes containing supplemental details and an accounting of metrics linking reported activities to

the WRRC strategic plan. A matrix in Appendix A shows how the WRRC connects with a large community of partners to carry out its mission.

Photo: Greg Griffin - Oak Creek Canyon, AZ

[2016 Annual Report Supplemental Information](#)

WRRC EVENTS



Check out all of our upcoming events and videos of previous events [on our website](#)

Arizona Water Map

Water Map Posters are Available

New Arizona Water Map posters may now be purchased from the WRRC. The product of a team of water resources experts and advisors, the new map accurately depicts key components of Arizona's water picture. Notable updates to this fourth version of the map include a stronger emphasis on water supply and demand, updated data, emphasis on groundwater usage, and a new, natural terrain background.

Maps are now on sale for \$12.00 plus applicable tax and shipping charges. Click the link below to order your map today!

[Order the Map](#)



NEWS

2016 Water International Honorable Mention

The International Water Resources Association awarded the 2016 Water International Honorable Mention to the paper, *Desalination and water security in the U.S.-Mexico border region: A framework to assess the social, environmental, and political impacts*, at the XVI World Water Congress in May. For the award winning paper, WRRC Director Sharon B. Megdal and Robert Varady, Udall Center for Studies in Public Policy collaborated with lead author Margaret O. Wilder of the UA School of Geography and Development and the Center for Latin American Studies and others from the U.S. and Mexico.

Through a water-security framework, the paper analyzes impacts of desalination and identifies key



At the award presentation from left to right Nicolas Pineda Pablos, Robert Varady, Ismael Aguilar Barajas, Adriana Zuniga, and Chris Scott

areas of impact against which the benefits of increased water supply must be weighed.

[Read the Paper](#)

UCOWR/NIWR Conference - New Water Books and New UCOWR President

The authors of two new water books took center stage at the Wednesday luncheon of the UCOWR/NIWR Annual Conference "Water in a Changing Environment", which was held June 13-15, 2017 at Colorado State University Lory Student Center, Fort Collins, CO. WRRRC Director Sharon B. Megdal moderated the luncheon session with authors Dr. William Alley and Rosemarie Alley and John Fleck, who spoke about writing their books and what happens after a book is released. William and Rosemarie Alley are a scientist/nonscientist team writing for the general public, whose latest book is High and Dry: Meeting the Challenges of the World's Growing Dependence on Groundwater. The book highlights the importance of groundwater around the globe, threats to its sustainability, and the need to understand and protect it. Examples include successes as well as challenges. Longtime journalist, John Fleck is currently Director of the Water Resources Program at the University of New Mexico. His book, Water is for Fighting Over and Other Myths About Water in the West, has been noted in previous Weekly Waves.



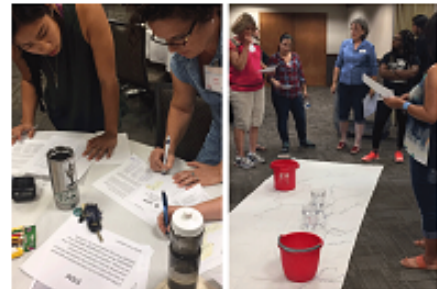
At the June 14 conference banquet, WRRRC Director Megdal assumed the role of UCOWR President. UCOWR is an organization of universities and other institutions that focuses on water resources education, research, and public service. Megdal has represented the University of Arizona in UCOWR for many years and has been a member of the Board of Directors since June 2013.

[Preview High and Dry](#)

SRP Area Teachers Learn About Water Supply from Holistic Perspective



This week, educators in the Salt River Project (SRP) service area are learning about their water supply from a systems perspective. Teachers calculated inputs and outputs on the Verde River (left) and



then modeled the Verde's flow (right). Then complexity was introduced as teachers explored groundwater's importance in the water cycle, learned about snowpack as a crucial reservoir, and looked at tree rings to understand the impact of climatic variability on water supply. Educators emerging from Water Solutions Past, Present, and Future: an Arizona Project WET and SRP STEM Academy are prepared to share their knowledge with their students and communities.

[Teacher Academies](#)

Preserving Lake Kinneret (the Sea of Galilee) as a Strategic Regional Water



Resource in a Changing Climate - Brown Bag Video Posted



On June 16th, Doron Markel from the Israeli Water Authority spoke at the WRRC Brown Bag about the history and future of Lake Kinneret as a water resource for Israel and Jordan. Lake Kinneret, also known as the Sea of Galilee, is located in the northernmost part of Israel and supplies approximately 20% of the country's potable water. Markel has been in charge of monitoring and managing the water systems of Lake Kinneret for 16 years. After describing the Lake's water supply history, He provided data showing the dramatic decline of inflows to Lake Kinneret since the 1970s as result of climate change. According to long-term climate forecast models, net inflows into Lake Kinneret will continue to decline in the future. Markel emphasized the importance of managing the lake to maintain water levels and avoid salinity issues and cyanobacteria blooms. Several watershed management efforts are underway, including land use management in the upper basin to increase inflows, increasing groundwater recharge, and capturing and diverting saline springs and inflows. A longer-term project is to import water to the basin and the lake from other parts of Israel by reversing flows in the National Water Carrier canal.

The presentation was co-sponsored by the Weintraub Israel Center and by Conrad and Ann Plimpton.

[View the Presentation](#)

At University of Arizona, the UA Water Network is the Online Hub for Water Information

Organized around five themes; drought and climate, environmental systems, management and policy, society and culture, and technology and industry, the [UA Water Network](#) highlights the many ways University of Arizona faculty and researchers are exploring the complex water issues of our time. This site paints a cohesive picture of water research occurring within the many departments, centers, institutes, and programs at UA.



Tools on the site are helpful to faculty and students, as well as to the broader public

- Expertise Directory - search for faculty by area of expertise, department, or program
- Calendar - learn about upcoming water-related events on this integrated cross-campus calendar
- Jobs & Opportunities page - find recently posted jobs, internships, and funding opportunities
- Academics page - learn about water-related academic programs and degrees at UA
- Get Connected page - find all the UA newsletters, blogs, and groups related to water

The Water Network is a [Water, Environmental and Energy Solutions \(WEES\)](#) product, supported by the voter-approved Technology and Research Initiative Fund (TRIF).

[UA Water Network](#)

ANNOUNCEMENTS

SAVE THE DATE

MARCH 28, 2018

WRRC CONFERENCE
THE BUSINESS
OF WATER

- [June 30 Call for Abstracts - AHS Symposium](#)
- [June 30 - WRRC Seeks Two Graduate Outreach Assistants](#)
- [August 18 Call for Abstracts - Southwest Groundwater Conference](#)
- [September 10-11 - AWRA 2017 International Conference Preliminary Program Available](#)
- [October 4-6, 2017 - 2017 Water Smart Innovations Conference - Registration is Now Open](#)

WATER RESOURCES RESEARCH CENTER

Visit Our Website