



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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Participate in Our Conference!

The WRRC is offering an opportunity to provide input, and potentially speak, at our 2019 annual conference, *Arizona Runs on Water: Scarcity, Challenges, and Community-based Solutions*. In connection with the conference, we are collecting case studies of Arizona water challenges and their solutions. The conference agenda features many geographically varied perspectives, but we know there are more out there. We are inviting people to complete a simple form to see that their problems and solutions are recorded. We will draw on this information for conference follow-up materials that can serve as a foundation for future discussions and actions. Some of these case studies will be featured in three-minute "lightning talks" during the conference luncheon. The online form is available now and will stay up until after the conference.

[More Information](#)

WRRC EVENTS

WRRC Brown Bag - How Beer Can Save Rivers

November 8, 2018

Speaker: Chase Saraiva, *Head Brewer*, Arizona Wilderness Brewing Company

Time/Location:

12:00 p.m. - 1:15 p.m. / Sol Resnick Conference Rm., (350 N. Campbell Ave., Tucson)



Water, such a vital component to our lives and the environment around us, is also the main ingredient in beer. As we dive into what it takes to make beer and the role water has in this fermented beverage, we will also investigate some creative ways we are able to conserve water inside the brewery and out. From involvement with local farmers, a maltster, and a charitable environmental organization, to working with recycled wastewater, all it takes is an idea, a conversation, and little creativity to make an impact.



If you cannot get to the WRRC on November 8, you can join us [here](#).

Other Upcoming Fall Brown Bags

- **November 14** Greg Barron-Gafford, *Associate Professor*, UA School of Geography and Development

OTHER EVENTS

Symposium - Indigenous Water Ethics: Sacred Waters Connecting Culture, People, and Place

October 22, 2018

Time/Location: 8:00 a.m. - 5:30 p.m. / ENR2, Rm. 107 (1064 East Lowell Street, Tucson)

Western societies have manipulated the supply and distribution of water for consumption, development, mining, industry, and other purposes to meet an immediate and every growing water demand and adapt to a changing climate. Water ethics is a growing area of dialogue focused on managing water based on values, culture, beliefs, and co-existence with nature. For indigenous people, the fundamentals of water ethics are the foundation of how indigenous peoples value water as a sacred entity connecting culture, people, and place. This



symposium brings together Indigenous water protectors to share their perspectives on water ethics and the challenges they face to protect sacred water and to create dialogues to discuss synergistic advocacy and action towards changing the way western water is managed and perceived.

[RSVP](#)

[View Agenda](#)

WRRC NEWS

Final AWR Published

The WRRC has released the final edition of its long-running newsletter, Arizona Water Resource. This last issue provides a listing of other electronic water news resources currently available. The regular Public Policy Review column by WRRC Director Sharon B. Megdal introduces a newly published collection of all 75 of her columns from 2002 through 2018. In addition, two WRRC graduate students relate their experiences with water on projects in Guatemala and Nepal. The Guest View by AWR founding editor Joe Gelt reminds us that water has important significance beyond its commodity value and suggests that it should be celebrated and revered. All past AWRs can be accessed through our website!

[Fall AWR](#)



Binational Water Relations at 75 Years Workshop held at UA

Next year marks 75 years of the 1944 Treaty relating to the Utilization of Waters of the Colorado and Tijuana Rivers and of the Rio Grande being in effect. This anniversary offers an opportunity to reflect on the importance of the agreements embodied in the treaty, to analyze the impact of the changes in binational water resources governance, and to envision the future of Mexico-U.S. cooperation on water. On October 15-16, the WRRC co-sponsored a workshop organized by the UA's Udall Center for Studies in Public Policy and El Colegio de Sonora, "Binational Water Relations at 75 Years: Retrospectives, Resilience, and US-Mexico Border Water Resources Governance", at the University of Arizona. WRRC Director Sharon B. Megdal chaired a panel featuring Jos é Nu ñ ez, International Boundary and Water Commission Acting Commissioner, and Roberto Salm ón, Commissioner, Comisión Internacional de Límites y Aguas.



Photo: Sharon Megdal, Roberto Salm ón, Commissioner, Comisión Internacional de Límites y Aguas, and Jos é Nu ñ ez, International Boundary and Water Commission Acting Commissioner

[Learn More](#)

The Water That Connects Us

What does the WRRC
have in common with the



Connecticut Department of Energy & Environmental Protection, the Baylor University Center for Reservoir & Aquatic Systems Research in



Texas, and the Fairbanks Soil & Water Conservation District in Alaska? All four institutions are home to Project WET coordinators

and part of a robust, national network of passionate water education professionals. In September, Holly Thomas-Hilburn attended the annual Coordinators Conference in Mystic, CT. There, coordinators from Alaska to Texas learned how this coastal city is responding, through education and action, to changes in coastal morphology, sea life and weather patterns. Holly added to the discussion by presenting APW's efforts to build community resilience to climate change in the Southwest. Coordinators learned how to use [NOAA's climate explorer](#) to identify climate threats to their own region and then apply systems thinking tools to identify appropriate responses to those threats. As Hurricane Florence bore down on the Southeast, attendees were reminded that connections between water and climate affect us all.

Last week's APW story had an incorrect title, the correct title is "Science Reimagined"

International Managed Aquifer Recharge Symposium now Welcoming Abstracts



The 10th International Symposium on Managed Aquifer Recharge (ISMAR10), to be held in Madrid, Spain, May 20-24, 2019 is now welcoming abstracts. Sponsored jointly by the International Association of Hydrogeologists (IAH), American Society of Civil Engineers (ASCE) and United Nations Educational, Scientific and Cultural Organisation (UNESCO), ISMAR10 cordially invites all who are interested in Managed Aquifer Recharge to attend.

Managed Aquifer Recharge (MAR) is a rapidly advancing suite of solutions to water shortage, water on security, water quality decline, and endangered groundwater dependent ecosystems. ISMAR10 strives to illustrate the effectiveness, benefits, constraints, and applicability of MAR to a wide variety of situations globally. ISMAR10 will provide both a forum for discussion and dissemination of key MAR issues and a platform for making international connections with all people involved with MAR.

[Submit an Abstract](#)

Santa Cruz River Research Days - Developing a Future Research Agenda

Santa Cruz River Research Days provides a unique opportunity for researchers and practitioners to meet and share progress and information about the Santa Cruz River's biodiversity, and it is free! ecosystem services, management and more, and it is free! This year, the event will take place on October 30-31, at Pima Community College's Desert Vista Campus Day one will get everyone up to speed through informative presentations on a whole range of topics, and day two will turn toward identifying priority research topics for the next five years. Numerous University of Arizona faculty and students will be presenting and moderating sessions during the event. Elia Tapia, who is a Graduate Research Assistant here at the WRRC as well as a Ph.D. Candidate in Arid Lands Resource Sciences, will present



about Assessing the Long-term Impact of Climate Uncertainties and Binational Land and Water Management Decisions on the Transboundary Santa Cruz Aquifer.

Learn more about Santa Cruz River Research Days and read the agenda, [here](#)

ANNOUNCEMENTS

- [Grand Staircase Escalante Partners is hiring a full-time Restoration Program Coordinator](#)
- [October 26 Arizona Water Protection Fund Grant Applications - Public Comment Ends](#)
- [October 30 - 31 10th Annual Santa Cruz River Research Days - Registration Open](#)
- [October 31 Haury Program Fall 2018 Funding Opportunity - Proposal Deadline](#)
- [November 1 Western Water Summit Call for Speakers - Abstract Deadline](#)
- [November 2 AWWA Southern Arizona Luncheon Program - CAP System Use Agreements](#)
- [November 7 Water Public Art Challenge - Finalist Showcase and Awards Ceremony](#)
- [November 10 Arizona Riparian Council Field Trip to the Santa Cruz Flats - Registration Required](#)
- [November 16 AWRA Spring Specialty Conference Call For Abstracts - Application Deadline](#)
- [November 19 JCWRE Open Issue Call for Papers - April Issue Deadline](#)
- [December 6 Mine Water Management Symposium Scholarship - Applications Due](#)
- [December 10 Arizona Agribusiness Roundtable - Save the Date](#)
- [December 11 Business H2O Water Innovation Summit - Registration Open](#)
- [March 26-28 Ten Across Water Summit 2019 - Save the Date](#)

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