



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

**WATER RESOURCES
RESEARCH CENTER**

October 12, 2018 / Volume 6, Issue 27

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

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WRRC 2019 Annual Conference Registration Opens Monday

Registration for the 2019 Water Resources Research Center's Annual Conference, "Arizona Runs on Water: Scarcity, Challenges, and Community-based Solutions", opens Monday, October 15. The conference will focus on how Arizona communities are addressing their water challenges through collaboration, conservation, market-based approaches, long-term planning, and more. We are bringing together speakers from across the state to look at place-based approaches. Are there common barriers faced by communities or across water sectors? How do we build on past accomplishments to create new successes? What changes in state laws and governing policies would be helpful?

As presenters confirm their participation, we will update the conference [agenda](#). We have invited

Bureau of Reclamation Commissioner Brenda Burman to be our keynote speaker. Other presenters represent communities and Tribal organizations from across Arizona, and the conference will conclude with an Arizona Legislators Panel. Please join us on February 1, 2019, at the Black Canyon Conference Center, 9440 N 25th Ave. in Phoenix, Arizona.

[Conference Website](#)

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](#)

2018 Tribal Water Summit

October 25-26, 2018

Time/Location: October 25, 9:00 a.m. - October 26, 1:00 p.m. / Wild Horse Pass Casino and Events Center, Chandler, AZ

All those interested in Tribal water management are encouraged to attend the Gila River Indian Community's two-day Tribal Water Summit, focused on developing Tribal water management programs and federal policy concerning Tribal water. Special panels and sessions will explore important topics, including case studies of Tribes working creatively within their watersheds, development of Tribal water resource departments, implementation of water settlements, and protection of Tribal water rights.



Registration ends Monday, October 15, 2018!

[Register Here](#)

WRRC NEWS

WRRC 2018 Photo Contest Arizona Runs on Water™ - Now Accepting Submissions From High School Students

We had such a great response to last year's open-ended approach to our photo contest that we're doin' it again this year. Just show us Arizona water. High School students are encouraged to submit their works.

If you are under 18 years of age just make sure a parent affirms your commitment to contest rules and guidelines. Use your creativity and technical ability to express the many ways water transforms our state and the many ways our state transforms water. Capture anything from people and nature to business and agriculture. It's completely up to you. Just make sure your picture(s) relate to water in Arizona!



The winning photographs will be featured on the WRRC website and at the [2019 WRRC Annual Conference on February 1](#). The winners will also be recognized at the February 2019 Chocolate Fest.

[Submission Application](#)

Show Low and Pima County Win National Excellence Awards for Water Reuse



Last month, the City of Show Low, Arizona and Pima County's AZ Pure Water project each received Annual Awards for Excellence from the Water Reuse Association, honoring their achievements as two of the nation's best and the brightest in the water reuse sector.

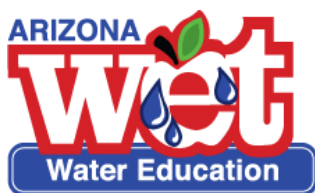
The City of Show Low received the "Excellence in Action" award, which recognizes significant contributions to support water reuse and showcase how recycled water is used for commercial operations, watershed restoration projects, irrigation, or other projects. The City won for the Show Low Wetlands project, a 250-acre constructed wetland that uses recycled water to establish a unique habitat for fish, waterfowl, and other wildlife in the area.

Pima County's AZ Pure Water Brew Challenge project won the Transformational Innovation Award, recognizing technological and research advances or other innovative practices that advance the adoption, implementation and/or public acceptance of recycled water. Working with Pima County, AZ Pure Water used a one-of-a-kind mobile potable reuse treatment facility to treat more than 80,000 gallons of recycled community wastewater for a beer brewing competition. The project obtained Arizona's first potable reuse permit leading the way in efforts to remove a multi - decade statewide prohibition against potable reuse.

Founded in 1990, The Water Reuse Association is an internationally recognized thought-leader on alternative water supply development. Congratulations to these and the other winners?

[Read Water Online Article](#)

Students to Design, Build and Operate Underwater Robots for 2019 Competition



"Reimagining Arizona's Rivers" was the theme of the 31st annual Arizona Hydrological Association Symposium, which I had the privilege of attending before starting my service as an AmeriCorps Member



for Arizona Project WET (APW). In addition to participating in the annual APW Teacher Academy, I attended the plenary sessions featuring panelists covering topics such as revitalizing the Santa Cruz River, the "Rio Reimagined" project, and drought in Arizona. I was impressed by the diversity and ingenuity of the projects. As a recent biochemistry graduate, I had little prior knowledge of environmental sciences or water resources. This conference was my first in-depth exposure to the incredibly multi-faceted issue that is Arizona's water sustainability. Ultimately, learning about the social, political, economic, and cultural aspects of water has broadened my worldview. I am excited to be a part of an organization that is committed to making a difference in our understanding of water.

The UA Water Network: A Hub for Research and Opportunity



Connecting to water programs, seminars, and experts at the University of Arizona is now easier than ever because of improvements on the Water Network website. Serving as an information hub for students, researchers, and community members, the site helps identify career and educational opportunities in the ever-evolving field of water. The Jobs & Opportunities page contains recently posted jobs, internships, and funding opportunities, as well as new career outlook information. The Get Connected page has links to all the water-related departmental and community seminars, and the Academics page explores the many degree programs and research facilities that focus on water. Finally, if you are looking for a water expert, more than 250 researchers are included in the site's expertise directory and there are filters by department or area of expertise to help refine your search. The redesign has made navigation easier and essential information easier to find. Check it out! We welcome any comments, suggestions, and content submissions.



[Visit the Water Network Here](#)

New Infographic Shows Distribution of Household Wells

Household wells supply water to 13 percent of the U.S. population, or about 42 million people. Citing a 2017 USGS Report, "Public Supply and Domestic Water Use in the United States, 2015," Circle of Blue's Brett Walton created two maps to convey visually the geographical distribution of household wells in the United States. In Arizona, the highest absolute number of household wells is located in Maricopa County. However, the counties with the highest percentage of the population relying on household wells are the more sparsely populated Apache and La Paz Counties. Circle of Blue is a nonprofit organization that provides national and global water news.



[View the Maps](#)

[Read the USGS Report](#)

ANNOUNCEMENTS

- [Grand Staircase Escalante Partners is hiring a full-time Restoration Program Coordinator](#)
- [October 14 Celebrate the Santa Cruz River and the Return of the Gila Topminnow](#)
- [October 15-19 USCID International Conference on Irrigation and Drainage - Registration Open](#)
- [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 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 Speciality 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](#)

[Visit Our Website](#)