

WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION
**WATER RESOURCES
RESEARCH CENTER**

November 1, 2019 / Volume 7, Issue 27

The Water Resource Research Center - a research unit of the [College of Agriculture and Life Sciences](#) and an Extension unit in [UA Cooperative Extension](#) within the Division of Agriculture, Life & Veterinary Sciences & Cooperative Extension

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Become a Sponsor for the 2020 WRRRC Conference

Here at the WRRRC, we are already gearing up for our 2020 conference, "Water at the Crossroads: The Next 40 Years" to be held on March 27th at the Black Canyon Conference Center in Phoenix, Arizona. The conference will bring together a broad range of participants for topical presentations and moderated panels. We will focus on describing how our water resources are changing, what choices are being made around the State, and how we can best achieve long-term resilience. Each year, we are grateful to our many sponsors who enable us to keep registration prices low, offer greatly reduced student rates, and continue to hold this high-quality annual event. Sponsorship benefits grow with the contribution levels, and all sponsors are featured on our registration page, have their logos on all promotional materials, and are recognized and thanked at the conference. We couldn't do it without you!

Sponsorship levels and benefits information [here](#)

WRRRC EVENTS



**1980
GROUNDWATER
MANAGEMENT ACT**

**WRRC ANNUAL
CONFERENCE 2020
WATER AT THE
CROSSROADS:
The Next 40 Years**

SAVE the DATE
FRIDAY, MARCH 27, 2020
**UNIVERSITY OF ARIZONA
WATER RESOURCES RESEARCH CENTER**
Black Canyon Conference Center
9440 N 25th Ave, Phoenix, AZ 85021

wrrc.arizona.edu

The Economic Impact of Arizona's Rivers, Lakes, and Streams: How Water-based Outdoor Recreation Contributes to State and Local Economies

November 8, 2019

Speaker: Haley Paul, Policy Manager Audubon Arizona

Time/Location: 12:00 - 1:15 p.m., WRRC Sol Resnick Conference Room (350 N. Campbell Ave.)



Audubon Arizona commissioned a report to evaluate the economic contributions of the water in Arizona's rivers, lakes, and streams. In order to conserve and protect the waterways we care about, Audubon wanted to make the economic case for why their demise—due to drought, diversions, and a changing climate—would be devastating for Arizona. Outdoor recreation along Arizona's waterways is a thriving industry and includes fishing, wildlife watching, picnicking, camping, and hiking. These activities annually generate \$13.5 billion in economic output and support 114,000 jobs statewide.


[Register for Brown Bag Webinar](#)

WRRC Event - Know About Your Water Green Valley-Sahuarita

November 16, 2019

Time/Location: 10:00 - 11:30 a.m., Green Valley Recreation (GVR) East Campus, 7 South Abrego Dr., Green Valley, AZ

Everything you wanted to know about water resources in the Green Valley-Sahuarita area will be touched on in these interactive presentations. The culmination of a project funded by the Freeport McMoRan Community Investment Program, this presentation offers neutral, independent information on water supplies, uses, and quality, as well as community and individual actions to conserve and augment water resources in the region.



**KNOW ABOUT YOUR WATER
GREEN VALLEY - SAHUARITA**

GVR East Center Auditorium
Saturday, November 16, 2019
10:00 - 11:30 am

Locally Relevant Water Information That Answers Your Questions



WHO? The Water Resources Research Center (WRRC) at the University of Arizona has been working on a project to bring locally relevant, integrated water information to you and your fellow citizens of Green Valley, Sahuarita, and neighboring communities. The WRRC is a respected source for independent, objective, and accessible information on water issues throughout Arizona.

WHY? The "Know About Your Water" project goal is to promote informed individual actions and engagement in community decisions on water resources. Last year an on-line survey asked what you want to know about water. More than 250 of your neighbors responded: a secure, sustainable water supply was their first concern. Water quality and a healthy environment were also important issues.

WHAT? This presentation addresses those concerns. It covers basic facts about Arizona water resources; the geology and hydrology, major water users, and water quality of Green Valley-Sahuarita; and a glimpse of what the future holds for area water resources. The final part offers ideas for individual actions you can take to protect and conserve this essential resource.

HOW? We will be taking questions throughout the presentation and hope for a lively discussion.

WHAT ELSE? At the end, we will have a short survey to learn your thoughts on what you have seen and heard.

Lecturers Series
Presented in partnership with the public

[November 16 Event](#)

Upcoming Brown Bags

- **November 19**, Betsy Wilkening, Ladd Keith, Nicole Iroz-Elardo, UA/APW, and CAPLA, "Heat Mapping"
- **December 4**, Laura Condon, Assistant Professor, UA/HAS, "Effects of Groundwater Pumping"

WRRRC NEWS

UA Research Scientist Jean E. McLain Featured in New Documentary

For more than ten years, Dr. Jean E. McLain has studied what causes algae in water bodies to suddenly become deadly. A new Landmark Stories video, produced with support from the UA College of Agriculture and Life Sciences (CALs) features recent research on this question. Through sampling, analysis and collaboration with local municipalities, Dr. McLain and graduate student Robert Lynch discovered that something in recycled water (reclaimed water) in the City of Tucson's Sweetwater Wetlands inhibits the growth of toxic algae. This initial discovery could bring us closer to understanding and predicting the global issue of harmful algal blooms.



Dr. McLain is a Research Scientist and served as the WRRRC Associate Director before moving on to be Assistant Dean for Faculty Advancement in CALs.

Watch the video and read more [here](#)

Desalination in Israel Discussed at WRRRC Brownbag

On October 28th Eran Feitelson, Professor of Geology at the Hebrew University of Jerusalem, gave a thought-provoking Brown Bag seminar on the extensive desalination program in Israel. His talk began with an overview of the water resource issues facing the region, including growing water demand and regional drought, which will increasingly be affected by climate change. Feitelson proposed viewing water resources in terms of needs for water instead of rights to water. If framed in terms of need, water resources can be negotiated, whereas rights tend to be viewed as absolute. Feitelson stated that existing natural sources are sufficient to meet minimum necessary demand, but desalination can be used to meet market-driven demand and can provide additional fresh water for storage in the Sea of Galilee. The talk was co-sponsored by the University of Arizona Udall Center for Studies in Public Policy, the Arizona Center for Judaic Studies, and the Center for Middle Eastern Studies.



View the recorded presentation and PowerPoint [here](#)



APW Welcomes Two New Instructional Specialists!



Jaime de la Mora will be part of the Arizona Water Festival team. He most recently worked as a Teaching Assistant providing support to diverse first-generation students.

Additionally, Jaime has worked as a Job Coach and Behavioral Aide for developmentally impaired individuals and enjoyed teaching to support his client's self-efficacy. Jaime is fluent in English and Spanish.



L to R: de la Mora and Steed

Brandon Steed will also be part of the Arizona Water Festival team. Brandon graduated from Scottsdale Community College with an Associate degree in Motion Picture & Television Production and subsequently ran his own business, Steed Flicks LLC, offering commercial photography and video production services for a decade. He has experience working as a television show editor, having spent 2 years with the E.W. Scripps Company.

We welcome Jaime and Brandon to Arizona Project WET and to the Water Resources Research Center!

More information about [APW](#)

Student Podcast Features Water Sustainability

Here's a local podcast well-worth adding to your morning commute: City High Radio, broadcast from City High School, a non-profit charter school in Downtown Tucson.

City High Radio has been led by teacher Sarah Bromer for nearly 15 years. Beyond creating multimedia programming, it provides a transformative experience that develops not only students' literacy and public speaking skills, but also their self-esteem. "Hearing themselves on the radio and getting all that positive feedback for how powerful their story is, it's something that can be very transformative for a kid who has spent their whole life thinking, 'I'm not a good writer,'" Bromer told Arizona Public Media. Student Paloma Martinez, who started college this fall, produced a podcast that is of particular interest to Weekly Wave readers. Titled "A Crisis in the Desert" Martinez's podcast explores topics of water sustainability and her podcast includes an interview with WRRC Director Sharon B. Megdal.



The podcast can be found [here](#)

Water Academy Educates the Public on Critical Water Issues

A collaborative partnership between the University of Arizona, Tucson Water, and Pima County Regional Wastewater Reclamation Department was in the news this month. The Chamber Business News carried a story on how the Tucson Citizen's Water Academy showcases Southern Arizona's cutting-edge water management and expertise, educating the public on water quality and supply issues facing the region. According to the article, the public participates in courses designed to demonstrate what it takes to protect Arizona's water resources and plan for the future. Through its courses each Spring and Fall, the Academy strives to reassure citizens about



the region's water future and encourage sustainable water use through education.

Chamber Business News Article can be found [here](#)

Information on Tucson Citizen's Water Academy can be found [here](#)

ANNOUNCEMENTS

- [Job Opportunity: Arizona Department of Water Resources](#)
- [November 1 Arizona Water Protection Fund Fiscal Year 2020 Grant Applications - Public Comment Period Ends](#)
- [November 7-8 NM WRRRI Annual Conference](#)
- [November 7, 12 & 14 ADEQ Waters of Arizona Stakeholder Meetings & Tribal Listening Sessions](#)
- [November 10-13 ASA-CSSA-SSSA International Annual Meeting - San Antonio](#)
- [November 15-16 - Climate 2020: Seven Generations for Arizona - Registration open](#)
- [December 2 - AZ Agribusiness Roundtable - Contact \[info@agribusinessarizona.org\]\(mailto:info@agribusinessarizona.org\) for Registration Information](#)
- [January 3 Multi-State Salinity Coalition 2020 Student Scholarship Program - Applications Due](#)
- [Jan. 24 - 2020 UCOWR/NIWR Conference - Abstracts Due](#)



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