

WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

**WATER RESOURCES
RESEARCH CENTER**

May 10, 2018 / Volume 6, Issue 19

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

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Summer Wave Comes Splashing Back May 18

As another semester ends and we transition into summer, the Weekly Wave changes to a summer schedule. Beginning Friday, May 18 the WRRRC will once again switch over to the biweekly Summer Wave. We will continue to bring you upcoming events, relevant stories, and announcements throughout the summer to keep you informed and up to date.

The Weekly Wave will resume on Friday, August 24. Have a safe and relaxing summer!

Photo: Geoff Kinnerk - Goodyear Community Splash Pad 2016 / [WRRC Photo Contest 2017](#)

WRRC EVENTS

Brown Bag Seminar Series

No Brown Bag seminars or other WRRC events are currently scheduled.

To view past Brown Bags presentations, click [here](#).



OTHER EVENTS

Conserve to Enhance - El Rio Wash Restoration Project

May 12-13, 2018

Time/Location: 7:00 a.m. - 11:00 a.m.; 4:00 p.m. - 7:00 p.m. on both days / Corner of W. El Rio Dr. and N. Aztec Ave.



Come out this weekend and learn about the exciting technology being implemented at the El Rio Wash restoration project. Join Trees Please this weekend at 7:00 a.m. - 11:00 a.m. and 4:00 p.m. - 7:00 p.m. on both Saturday, May 12 and Sunday, May 13 as they lead a weekend work session to install their Tucson C2E project. Trees at this site will be planted using Groasis Growboxx plant cocoons that will help establish the trees by creating a consistent microclimate with no evaporation.

All volunteers welcome, even if you can only come for a short while. Your help will be greatly appreciated!

UCOWR Webinar - Emerging Voices of Tribal Perspectives in Water Resources Webinar (FREE)

May 23, 2018

Time/Location: 9:00 a.m. - 10:00 a.m. (MST)

Speaker: Karletta Chief, *Assistant Professor and Extension Specialist, University of Arizona*

The Emerging Voices of Tribal Perspectives webinar is the second of two webinars that highlight papers on tribal waters from the April Journal of Contemporary Water Research & Education. Karletta



Chief of the University of Arizona is the issue editor. Dr. Chief is facilitating each webinar and providing an introduction. Webinar #2 features two papers on tribes and water quality and quantity. First, Otakuye Conroy-Ben will discuss her paper "Disparities in Water Quality in Indian Country." Crystal Tulley-Cordova will follow with a talk on "Navajo Nation, USA, Precipitation Variability from 2002 to 2015."



Photo credit Raina Ramirez Navajo

[View Webinar #1](#)

[Register for Webinar #2](#)

WRRC NEWS

AWRA Summer Conference Preliminary Program Now Online

The 2018 AWRA Summer Specialty Conference, "The Science, Management and Governance of Transboundary Groundwater," to be held July 9-11 in Fort Worth, Texas, just released its preliminary program. The conference will have over 50 presentations and a plenary session with facilitated working sessions that will assess the future of transboundary groundwater science, management, and governance. Following the plenary, WRRC Director Sharon B. Megdal will lead a session on the Transboundary Aquifer Assessment Program where Research Analyst Jacob Petersen-Perlman, Graduate Research Assistant Elia Tapia, and USGS Hydrologist James Callegary will present their work. Other University of Arizona researchers will present their work on the arid Americas in a session on transboundary governance frameworks. Registration is now open. A discounted registration rate is available until June 18.



[Registration Link](#)

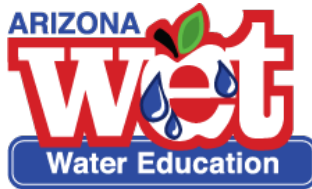
Chasing Water: An Examination of Tribal Water Rights Settlements

This past week, the WRRC hosted the Master's presentation of one of its graduating students, Jake Golden Water, Society, & Policy M.S. Working with the City of Phoenix Water Services Department, Golden collected key information about four tribal water rights settlements in Central Arizona. He not only illustrated the expectations of these settlements, but also provided an overview of the relationship between the tribes and non-tribal entities. One takeaway from the presentation was that tribal water settlements address more than just an allocation of resources. They also present opportunities to examine a multitude of water challenges and to work creatively and collaboratively with multiple stakeholders on developing solutions for these water challenges. The project was completed as part of the Masters's program curriculum, through which graduate students work with external partners on a variety of water projects.



Pictured: Frank Milam, Jake Golden, and Cynthia Campbell

Technology to Help our Planet



An abundance of collegial collaborations occurred during the most recent STEMteachersPHX educational event. The April program focused on earth science technologies in honor of Earth Week.



Science teachers from around the Phoenix area became immersed in studying technologies used for saving water and creating gadgets to help monitor air quality.

Huddled over lecture room desks, educators manipulated and examined "mystery" water saving devices to figure out how they work. The sound of scissors, hole-punchers, and tape dispensers filled the room as engrossed educators produced unique air quality monitoring designs, all of which worked to collect particulates from air.

Excited educators left with new ideas to engage their students in real-world technology and assist our planet at the same time.

[Learn More About APW](#)

SWES Offers Indigenous Fresh Produce Trainings (FREE)

The UA Department of Soil, Water and Environmental Science is hosting a 3-part Indigenous Fresh Produce Training at the Maricopa Agricultural Center on June 2, 16, and 30, 2018 from 8:30 a.m. to 2:00 p.m. These unique trainings are open to growers, food industry professionals, and the interested general public, and will focus on the Food Safety Modernization Act (FSMA) from a Native American perspective. All classes will incorporate visual and auditory learning and hands-on demonstrations.



UA Cooperative Extension is Working to Increase Understanding of *E. coli* Bacteria

The recent *E. coli* outbreak associated with romaine lettuce lit up the phone lines for UA Extension, which fielded dozens of calls from Arizona citizens and news outlets across the country, all concerned with ensuring the safety of their fresh produce. Most callers had little knowledge of *E. coli* - what exactly is this bacteria, and



how can consumers protect themselves from foodborne illness? To address these questions, a team of Extension Specialists, led by Drs. Channah Rock and Paula Rivadeneira, have published two Extension Publications; the first, *E. coli, Water Quality, Food Safety, and Human Health*, covers current knowledge on *E. coli*, its relationship to the human gut, why it can sometimes appear in pre-harvest irrigation water, and current FDA regulations related to produce safety. The second publication, *E. coli Prevention and Control in Fresh Produce from Farm-to-Fork*, describes current practices used in the fresh produce industry to maintain the integrity of our food supply, and covers common practices that every produce consumer can follow to decrease the probability of consuming contaminated food. On Friday, May 4th, Rock and Rivadeneira conducted a community forum in Yuma, Arizona. More than 170 Arizona residents and industry members attended this standing-room-only event, which provided information on *E. coli* and regulatory practices followed by the fresh produce growing, packing, and shipping industries. A recording of the Yuma community forum can be found [here](#).

[Read First Publication](#)

[Find Second Publication](#) (will be published shortly)

ANNOUNCEMENTS

- [May 14 DOE Critical Water Issues Prize Competition RFI - Response Due](#)
- [May 17 Sonoran Institute Growing Water Smart Webinar - How Water Smart Are We?](#)
- [May 21 U.S. Institute seeks a Senior Program Manager - Native American And Alaska Native Program Area](#)
- [May 21-24 U.S. EPA Region 9 Tribal Drinking Water Symposium - Registration Open](#)
- [May 22 Water Conservation Field Services Grant - Applications Due](#)
- [June 15 WaterReuse AZ 2018 Scholarship - Application Due](#)
- [June 26-28 UCOWR/NIWR Annual Water Resources Conference - Registration Open](#)
- [June 29 MSSC Student Scholarship Program - Applications Due](#)
- [August 2-3, 2018 Arizona Water Law Conference - Registration Now Open](#)
- [September 26 Innovations at the Nexus of Food, Energy, and Water Systems \(INFEWS\) - NIFA Grant Application Due](#)

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