

WEEKLY WAVE



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

April 17, 2020 / Volume 8, Issue 15

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

WRRC Office Update

Although the WRRC building will be closed to the public until further notice, our staff continue to work and engage as much as possible. You can reach us via email as listed on our [Directory](#). We wish you all the best - Stay safe and healthy!

UArizona Cooperative Extension [COVID-19 info page](#)

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**More on COVID-19 in Water - Spas, Pools,
and Hot Tubs**

Questions continue to arise on COVID-19 and water--specifically can the virus be spread through

contact with water in various forms? To date, there are no known avenues for COVID-19 to infect humans through water. The Weekly Wave has already addressed the safety of drinking water and wastewater. Additional questions concern pools, spas, and hot tubs. Generally, the Centers for Disease Control and Prevention (CDC) has seen no evidence that COVID-19 can survive in water. In addition, disinfectants commonly used in pools, spas, and hot tubs, such as chlorine and bromine, have been shown to inactivate the virus. Safety dictates that the pool or hot tub should be properly maintained with the correct amount of disinfectant. Some people have asked if soaking in a spa or hot tub might inactivate the virus on human skin. There is no authoritative opinion on the subject; however, the virus may live for up to several days on the exposed surfaces of a pool or spa, so they should not be shared with infected or potentially infected people. Next week - cooling towers and plumbing.

[CDC FAQ on spas, pools, and hot tubs](#)

WRRC EVENTS

Brown Bag Webinar Only - Tucson **Water Turnaround: Crisis to Success**

April 29, 2020 / 12:00pm to 1:15pm

Presenter: Marie S. Pearthree, Former Deputy General Manager, Central Arizona Project

Location: Webinar



A corrosive-water debacle in Tucson preceded the lead contamination issues in Flint, MI by over two decades. In 1992, Tucson Water began delivery of Colorado River water from the Central Arizona Project (CAP). Putting treated CAP water into the existing groundwater distribution system caused a devastating corrosion problem that resulted in broken pipes and rusty water flowing from customer taps.

[Webinar Registration](#)

Brown Bag Webinar Only - **Developing Pathways to Solutions to Wicked Water Problems**

May 6, 2020 / 12:00pm to 1:15pm

Presenter: Sharon B. Megdal, Director, University of Arizona, Water Resources Research Center

Location: Webinar



Many regions across the globe face what are called wicked water problems, which are complex challenges that are too big for readily identifiable and/or "standard" solutions. The reasons for this are many and can relate to underlying societal or political issues and differing viewpoints as to the causes and/or potential pathways to mitigating the

challenges. It is often stated that the obstacles to addressing wicked water problems may be related to public acceptance rather than technological or economic factors. Identifying and implementing pathways to solving big water challenges often require interdisciplinary and transdisciplinary approaches; the involvement of stakeholders is extremely important. This seminar will focus on the similar but distinct wicked water issues faced in our region and the Middle East and approaches taken to solve them.

[Webinar Registration](#)

WRRRC NEWS

Brown Bag Webinars 2015-2020 Archived on Our Website

The WRRRC's Brown Bag seminars have included remote listeners for more than a decade through live webcasts. Since 2015 the Center has been archiving the webinars and sharing the videos and PowerPoint presentations on our website. The archive includes presentations from local, state, and international water experts.

If you would like to be notified when we have new webinars, sign up for our [Weekly Wave e-News digest](#).

Check out some [archived webinars](#)



\$650 Million Pumping Station at Lake Mead to Secure Las Vegas Supply

Completed on time, and under budget; The Southern Nevada Water Authority, along with contractor Barnard of Nevada, Inc. finished the third water pumping station at Lake Mead, enabling Las Vegas to access to Colorado River water even if lake levels drop below 1000 feet. The station consists of 34 submersible pumps located in six-foot-wide shafts that extend 500 feet down to a 12,500-square-foot underground cavern. The station's water intake, which is located at the 860-foot elevation mark, was characterized by SNWA General Manager John Entsminger as "a critical component of our infrastructure network that enables us to continue delivering drinking water to our community well into the future."



View the station's [impressive infrastructure](#)

Digging Deep in to Dam Construction



In June, APW educators will deliver the Colorado River Watershed Teacher Academy online through a combination of direct live instruction, small group discussions, video, recorded

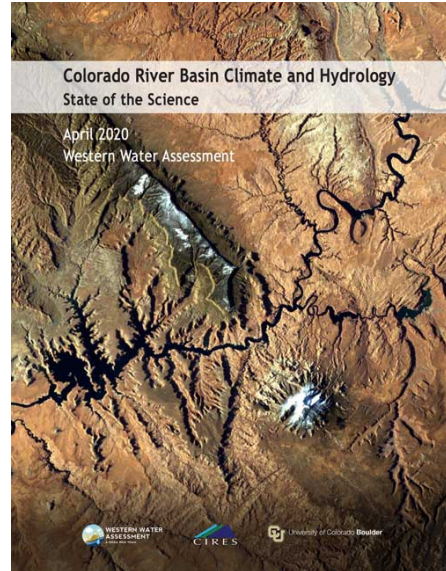
PowerPoint presentations, reading assignments, and some self-directed activities. APW will focus on Glen Canyon Dam's construction in the context of the massive seven-state Colorado River management system. In the meantime, thanks to a recently published article in the Arizona Daily Star, we have a chance to dig a little deeper into the subject right now.



More on [dam construction](#)

State of the Science Report on the Colorado River Basin - Now Available

With headwaters in Colorado and Wyoming, and eventually flowing across the international border into Mexico, the Colorado River and its tributaries provide critical water supply to nearly 40 million people and over 5 million acres of agricultural lands. A new on-line resource, Colorado River Basin Climate and Hydrology: State of the Science, which integrates nearly 800 peer-reviewed studies, agency reports, and other sources, was recently released by Western Water Assessment (WWA). WWA leads, Jeff Lukas and Liz Payton, produced the report with support and guidance from more than a dozen federal, state and local water agencies. It begins with an overview of the Colorado River Basin climate and hydrology, asking how the climate and hydrology of the basin vary over space and time, and what are the recent trends and their causes. The report goes on to explore climate data models and forecasts, planning tools, paleohydrology, and historical hydrology to create understanding of the physical setting of the basin, which underpins management of Colorado River water resources.



[Full report](#)
[Executive Summary](#)

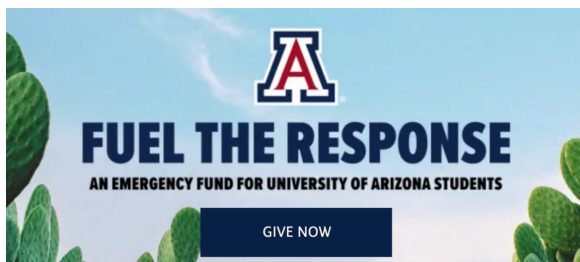


Coworker of the Week

This week's coworker shares a workspace with WRRC Director Sharon B. Megdal. Meet Austin! He's a pure mixed-breed dog. Austin enjoys being loyal, leaping to great heights, and relaxing. He doggedly helps make Dr. Megdal's home office more enjoyable.



ANNOUNCEMENTS



- [Awards and Scholarships - AWRA](#)
- [FEWSION COVID-19 Press Release, March 26th, 2020 - Empty shelves not an](#)

- [indicator of a broken supply chain: Big data maps out critical U.S. supply chains amid COVID-19 pandemic and Crisis Briefing for Media and Decision Makers](#)
- [The Climate Assessment for the Southwest, U.S. Global Change Research Program Newsletter - March 2020](#)
 - [April 20: 1-2:30 pm* - 5MP Safe-Yield Technical Subgroup Meeting - Webinar only](#)
 - [April 20: Water International - New Call for Early-Career Professionals - Abstract Submission Deadline](#)
 - [April 21: Boulder Faculty Climate Science and Education Committee - The Climate and Biodiversity Crisis: Moving Toward a Global Awakening?](#)
 - [April 27-28: 2020 National Water Policy Fly-In \(Water Week 2020\) - **CANCELED: May 2: Water Week Continues as a Virtual Event**](#)
 - [May 11-12: Ben-Gurion University of the Negev International Water Summit - Registration Open - **POSTPONED**](#)
 - [May 4: 5th Management Plans Work Group Meeting - Webinar only](#)
 - [May 14-15: Western Water Law Conference San Diego - **POSTPONED**](#)
 - [May 18: 5MP Agricultural Subgroup Meeting - Location/Format TBA](#)
 - [May 18: Call for nomination for IWA Women in Water Award](#)
 - [May 18: AWRA Annual Water Resources Conference, Nov. 9-12 - Abstracts Due](#)
 - [June 1: Central Arizona Project Award for Water Research - Abstracts Due](#)
 - [June 1: NWRI Fellowship Deadline Extended](#)
 - [June 4-5: Law Seminars International Conference - Tribal Water in the Southwest](#)
 - [June 14-17: ACE20 Future So Bright - **Canceled June 13-16, 2021**](#)
 - [Oct. 7-9: BSMAR 17 Symposium](#)

[Visit Our Website](#)