



August 4, 2017 / Volume 5, Issue 6 The <u>Water Resources Research Center</u> - a research and <u>Extension</u> unit of the <u>College of Agriculture and Life</u> <u>Sciences</u>

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The Water Resources Research Center is pleased to announce the release of its Summer 2017 Arizona Water Resource newsletter. Student perspectives are featured, with articles on the Lower Santa Cruz River Basin Study and the potential economic benefits of water conservation, that convey the passion and commitment of these students for addressing water resource issues. The Guest View offers another perspective; this one from Paul Brierley, the Executive Director of the Yuma Center of Excellence for Desert Agriculture, who states that examining the feasibility and advisability of various methods for agricultural water conservation provides an opportunity to question the wisdom of transferring water from agriculture to other uses. A Special Feature on recent research and a Resources section update readers on what's going on in the world of water. Finally, WRRC Director Sharon B. Megdal's Public Policy Review column describes how the cooperative framework that shapes the U.S.-Mexico Transboundary Aquifer Assessment Program is a model for other transboundary efforts around the globe.

Emailed directly to subscribers, the AWR is also available on the WRRC website and can be downloaded as a PDF.

Photo Credit Terry Moody, courtesy of the Sonoran Institute

Read the AWR

Subscribe

WRRC EVENTS



GRAB A LUNCH AND JOIN US THIS FALL FOR OUR BROWN BAG SEMINARS!

We'll have a full schedule of presentations on our website soon.

OTHER EVENTS

AHS Brown Bag - The River Run Network - Connecting Landowners to Riparian Restoration Goals & Stewardship Actions

August 9, 2017



Speaker: Catlow Shipek, Technical Director, Watershed
Management Group
Where: 9th Floor Public Works Building, 201 N. Stone Ave. (Tucson)
Time: 12:00 p.m. - 1:00 p.m.

The River Run Network connects landowners and institutions across the Tucson basin with the goal of restoring Tucson's heritage of flowing creeks and rivers. The Network is a platform to share restoration targets, establish priority actions, and communicate progress towards restoration goals. Our initial priority streamshed restoration areas include Lower Sabino, Agua Caliente, and Tanque Verde Creeks which are in designated shallow groundwater areas. These areas can recover rapidly with reduced pumping from nearby wells and stormwater recharge.

More Information

Webinars on New Water Infrastructure Financing Tool

August 14, 18, 24, and 31

 Presented by:
 The U.S. Environmental Protection

 Agency (EPA)
 Where:

 GoToWebinar
 2:00 p.m. - 3:00 p.m.

The U.S. Environmental Protection Agency (EPA) is launching the Water Finance Clearinghouse, a webbased portal to help communities make informed financing decisions for their drinking water, wastewater,



and stormwater infrastructure needs. The Clearinghouse provides communities with a searchable database with more than \$10 billion in water funding sources and over 550 resources to support local water infrastructure projects. It consolidates and expands upon existing EPA-supported databases to create a one-stop-shop for all community water finance needs. The Water Finance Clearinghouse was developed by the EPA's Water Infrastructure and Resiliency Finance Center, an information and assistance center that provides financing information to help local decision makers make informed decisions for drinking water, wastewater, and stormwater infrastructure to reach their public health and environmental goals.

More Information



Water Map Posters are Available

New Arizona Water Map posters may now be purchased from the WRRC. Produced with input from a team of water resources experts and advisors, the new map accurately depicts key components of Arizona's water picture. Notable updates to this fourth version of the map include a stronger emphasis on water supply and demand, updated data, emphasis on groundwater usage, and a new, natural terrain background.

Maps are now on sale for \$12.00 plus applicable tax and shipping charges. Click the link below to order your map today!

Order the Map



NEWS

Gila State of the Watershed Forum

We are pleased to announce that the first annual State of



WATER RESOURCES ARIZONA WATER

the Watershed for the Upper Gila River will be held on September 2, 2017 at Eastern Arizona College in Thatcher, Arizona. This public forum is an exciting opportunity for



community members to engage with local and state experts about critical issues in their region. The result of ongoing coordination among agricultural representatives, the Gila Watershed Partnership (GWP), Graham County Cooperative Extension, and the WRRC, this event will highlight the topics of fire, flood, and the arrival of tamarisk leaf beetle. Other topics include: snowpack, climate forecasts, mining, local water supplies, and river channelization. All are welcome, and questions from the audience are encouraged!

View Agenda

<u>Register</u>

Bailey Kennett to Begin Work with Babbitt Center

Bailey Kennett will be leaving the Water Resources Research Center to begin a position with the Babbitt Center for Land and Water Policy. Launched in May, the Babbitt Center is a new program of the Lincoln Institute for Land Policy, that will work to advance water sustainability through improved land use planning, management, and decision making. Bailey was an excellent contributor to the WRRC, both as a Graduate Research Assistant and later as a Research Analyst with the Water RAPIDS program. Moving forward, she is excited to apply her water knowledge and perspective to work throughout the Colorado River Basin.



Babbitt Center

Innovative STEM Education with Remotely Operated Vehicles



Arizona Project WET (APW) collaborated with Marine Advanced Technology Education (MATE) to immerse 20 teachers from across Arizona in the first Underwater Robotics and Engineering

Design Academy sponsored by Arizona Department of Water Resources. One might wonder about the intersection of underwater robots with the desert that we live in, but teachers soon discovered that Remotely Operated Vehicles (ROVs) are used throughout the water



management industry. During the academy, hosted within UA's Engineering College facilities, teachers designed and built ROVs to accomplish tasks similar to those performed by ROVs on the Central Arizona Project canal. Teachers left the workshop with an understanding of buoyancy, hydrodynamics, forces, energy, electrical circuitry, wiring, soldering, control systems, lessons, tools, and the confidence to teach the engineering design of ROVs with their students. Plans are underway to provide a Spring competition for their students to demonstrate their own ROVs.

Read More on APW's ROV Academy

What is the Future of our Santa Cruz River?

What do you love about it? How do you use it? Where do you go? What can be improved?

The flowing stretch of the Santa Cruz River through northwest Tucson and Marana experienced a lot of changes following the 2013 upgrades to the water



reclamation facilities that release water into the river. The improving wetland conditions in this reach have been documented in the Living River annual report series. Building on efforts to track river conditions, the Sonoran Institute seeks community input and ideas that will help all who manage and work on the river. Pima County Regional Flood Control District is developing a management plan for the Santa Cruz, starting with the stretch between Grant Road in Tucson and Trico Road in Marana. This plan will identify future projects to benefit the community along the river corridor. The Sonoran Institute and Pima County are engaging the public through a survey and public hearings how the Santa Cruz River meets community needs. Here is how to share your thoughts:

a) <u>**Take the online survey</u>** where you can map how you use the river, what you value, and offer suggestions for improvement projects. Available online until September 15th.</u>

b) Participate in-person by attending an interactive workshop on October 10th, 12th, and 18th. Workshops will focus on specific reaches of the river. Learn more and register today.

WaterSmart Innovations Conference and Expo Scholarship Opportunity

The world's preeminent urban water efficiency conference and expo is in our backyard. If you are an Arizona water conservation or sustainability professional and you haven't yet attended, now is your chance!

AMWUA will award a full "first-timer" scholarship to the 2017 WaterSmart Innovations Conference and Expo,



October 4-6, in Las Vegas. The scholarship includes conference registration, admission to the EPA WaterSense/Alliance for Water Efficiency Awards Luncheon, a complimentary pre-conference workshop or post-conference tour, travel costs, and hotel.

Application deadline: August 23, 2017.

Conference Information

Scholarship Application



WRRC CONFERENCE 2018

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Save the Date!

- <u>August 24-25 Arizona Water Law Conference</u>
- <u>August 25 Early Bird Registration Closes AWRA International Conferece</u>
- <u>August 25 Public Comment Period Closes Draft 2017 Review, Water Quality</u> <u>Standards for Salinity, Colorado River System</u>
- <u>September 6-9 AHS 30th Annual Symposium</u>
- <u>September 1 Early Registration Closes Biennial Conference of Science &</u> <u>Management on the Colorado Plateau & Southwest Region</u>
- September 22 Registration Open State of the Watershed Upper Gila River
- <u>September 22 UCOWR Call for Special Sessions 2018 Annual Water</u> <u>Resources Conference</u>
- November 1 Call for Abstracts BSMAR16
- Job Posting City of Flagstaff Water Seeks Conservation Specialist
- AZGS Releases Special Paper New study of hydrogeology of E Salt River Valley, Maricopa & Pinal Counties

WATER RESOURCES RESEARCH CENTER

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