

WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

**WATER RESOURCES
RESEARCH CENTER**

September 8, 2017 / Volume 5, Issue 22

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

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2017 WRRC Photo Contest

We're taking a very simple approach to our photo contest this year. Just show us **Arizona water**. Yup, that's as specific as we're going to get. 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 relates to water and it's in Arizona!

[Show us what you've got!](#)

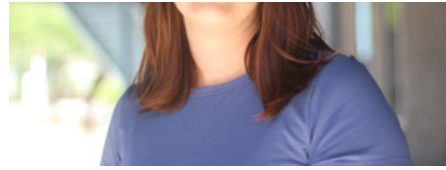
WRRC EVENTS

**WRRC Brown Bag - WaterSMART
Grant Program Offerings**

September 18, 2017



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



Speaker: Jessica Asbill-Case, Water Resources Program Manager, U.S. Bureau of Reclamation

The Sustain and Manage America's Resources for Tomorrow (WaterSMART) Program allows the Bureau of Reclamation to work with states, tribes, local governments, and non-governmental organizations to pursue a sustainable water supply for the nation. WaterSMART works through administration of grants and scientific studies, and provides technical assistance and scientific expertise on the efficient use of water, integrating water and energy policies to support the sustainable use of all natural resources, and coordinating the water conservation activities of the various Department of the Interior offices. This presentation will focus on the grants offered by Reclamation through the WaterSMART Program.



If you can't make it to the seminar on September 18, join us online [here](#).

WRRC Brown Bag - Water, Wastewater, and Energy Solutions for Off-grid Bedouin, Palestinian, and Jordanian Communities

October 2, 2017

Time/Location: 4:00 p.m. - 5:30 p.m. / Hillel Foundation (1245 E. 2nd Street.)

Note special time and location.



Speaker: Clive Lipchin, Director, Center for Transboundary Water Management at the Arava Institute

Co-Sponsors: Center for Middle Eastern Studies, Arizona Center for Judaic Studies

The Center for Transboundary Water Management at the Arava Institute for Environmental Studies in Israel is implementing an off grid Food, Energy, Water (FEW) Nexus approach to addressing the need for conflict mitigation relating to transboundary environmental management. The project specifically implements on-site, off-grid solutions for communities lacking access to centralized water, wastewater, and energy infrastructure. The project includes greywater treatment and reuse systems; renewable energy; hydroponics micro-systems; and more. Work is being carried out in Palestinian communities in the West Bank, Jordanian farms in the Jordan Valley, and Bedouin communities in Israel's Negev Desert. Lessons learned in the Middle East can be used in addressing challenges in other arid regions of the world such as Native American communities in Arizona and New Mexico.

[More information](#)

Upcoming WRRC Brown Bag Seminars - Save the Dates

October 9, 2017

Speaker: Dave Wegner, Staff Director, Water and Power Subcommittee,



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.

U.S. House of Representatives (Ret.)

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

October 17, 2017

Speaker: Paul Brierley, Executive Director, Yuma Center of Excellence for Desert Agriculture

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

October 25, 2017

Speaker: Lisa Atkins, Commissioner, Arizona State Land Department

Time/Location: 3:00 p.m. - 4:00 p.m. / ENR2 Rm. S107 (1064 E. Lowell St.)

Note special time and location.

November 14

Speakers: Perri Benemelis/Andrew Craddock, Central Arizona Groundwater Replenishment District, Yuma Mesa Irrigation and Drainage District Pilot Following Program

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

December 6

Speakers: Meghan Smart/Bryant Dickens, ADEQ, Citizen Science Water Quality Monitoring

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



Check out all of our upcoming events and videos of previous events on our [website](#)

OTHER EVENTS

SNRE Seminar - Transboundary Integrative Basin Planning: Master Plans for the Kidron/Elnar and the Yarqon/Eluja



COLLEGE OF AGRICULTURE AND LIFE SCIENCES

SCHOOL OF NATURAL RESOURCES AND THE ENVIRONMENT



September 14, 2017

Time/Location: 1:00 p.m. - 2:00 p.m. / ENR2 Rm. S107 (1064 E. Lowell St.)

Note special time and location.

Speaker: Liora Meron, Israeli Architect

In this talk, architect Liora Meron will discuss transboundary master plans for two basins. The master plans offer integration of eco-hydrological, environmental, planning, and social aspects into unified plans that are necessary for basins management. The plans also propose a fabric of achievable ecosystem services and highlight the significance of Israeli/Palestinian cooperation around environmental, socioeconomic, and cultural issues.

AZ Water Young Professionals Happy Hour Event - Tracking Down the Roots of Our Sanitary Sewers



September 18, 2017

Time/Location: 5:30 p.m. / Borderlands Brewing Company, 119 E. Toole Ave.

Speaker: Jon C. Schladwiler, P.E.

This presentation will trace the development of sewers from 3500 BC through the early 1900s. It wasn't until the mid-1800s that people began to understand that "filth," when mixed with their water supply, resulted in disease and death. Thus began the evolutionary development of modern day sewers and a betterment of sanitary conditions in highly populated areas. The advent of separate sanitary sewage conveyance systems was a by-product of that change.



[Register Here](#)

NEWS

Save the Date! WRRRC Annual Conference, March 28, 2018

Water is everyone's business and the business of water affects everyone. On Tuesday, March 28, 2018, *The Business of Water* will be front and center at the University of Arizona (UA) Water Resources Research Center's Annual Conference, which will be held at the University of Arizona Student Union in Tucson, Arizona. We will explore the many facets of our topic, focusing on key questions. How will water exchanges, transfers and market-based transactions figure into our water future? What is the role of the private sector, including public-private partnerships? What factors and forces influence what we pay for water? Please plan to join us on March 28 as we consider these complex and dynamic issues vital to the reliability, safety, and cost of our future water supplies.

WRRRC CONFERENCE 2018
THE BUSINESS OF WATER
MARCH 28 

Watch the Weekly Wave for conference updates, registration announcements, and poster abstract submissions!

Educational Diversity



Diversity is encompassed in many aspects of [Arizona Project WET's](#) Tucson Education Program. The offerings themselves are diverse, including facilitated classroom instruction, riparian investigations at the

Sweetwater Wetlands, replacement of faucet aerators to conserve water and quantify water savings, and interactive engineering design lessons. Diverse audiences include 3rd - 12th grade students, teachers, and community members across the Tucson area. In order to be effective it helps to have a diverse group of Water Educators to assist in delivering programs. This year's group of 11 educators includes University of Arizona students studying water resources, education, engineering, creative writing, and science. Some are native to Tucson or Arizona, yet others hail from places further



afield like Michigan, and even Limerick, Ireland. One thing they all hold in common is the desire to learn more about Arizona's water resources and a passion for creating the next generation of water stewards.

[Arizona Project WET](#)

Conference Offers Perspectives on Arizona and the Colorado River



On October 10, 2017 in Scottsdale, AZ, a group of Arizona's leaders in water resources law and policy will gather to discuss the Colorado River with specific reference to Arizona impacts, interests, and actions. Presentations will be made by representatives of the Arizona Department of Water Resources, including its Director Tom Buschatzke, Central Arizona Project (CAP), Gila River Indian Community, U.S. Bureau of Reclamation, and other organizations in Arizona and California. Topics include drought contingency planning for the Colorado River, use of the CAP canal for non-project water, rotational fallowing of irrigated agricultural fields, and the potential for desalination. In the final session of this one-day conference, experts will speculate about what the Colorado River will look like in 2045.

[Conference Information](#)

USGS Posts Streamstats 4.0 for Arizona



The USGS's Streamstats 4.0 tool is available online for Arizona. The StreamStats 4.0 is a beta version of the older Streamstats tool, with regression equations that support calculation of flood frequency statistics on streams at ungauged locations. The updated regression equations are described in the report: U.S. Geological Survey Scientific Investigations Report 2014-5109. Streamstats can also be used to calculate a variety of basin and climate characteristics. Version 4.0 contains a number of improvements including multiple map layers. Instructions are on the left of the program window and provide guidance on how to delineate a basin and calculate flow statistics and basin characteristics.

[Access Streamstats 4.0](#)

[Read the USGS report](#)

ANNOUNCEMENTS



- [September 10 WaterSmart Innovations 2017 Discount Hotel Rate Ends](#)
- [September 13 Pima County Regional Flood Control District Brown Bag](#)
- [September 14 U.S. EPA: Water and Energy Nexus During Emergencies Workshop](#)
- [September 15 Registration Ends - AzSEC - Arizona Student Energy Conference](#)
- [September 22 Gila State of the Watershed Forum](#)
- [September 22 Deadline - UCOWR Call for Special Sessions - 2018 Annual Water Resources Conference](#)
- [September 22-24 Edible Urban Forests Conference, LEAF - Tucson COG](#)
- [October 2-3 7mo Congreso Nacional de Investigación en Cambio Climático](#)
- [November 1 Call for Abstracts Deadline - BSMAR16](#)
- [Funding Opportunities - US-Israel Binational Agricultural Research and Development Fund \(BARD\)](#)

WATER RESOURCES RESEARCH CENTER

Visit Our Website