

WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

**WATER RESOURCES
RESEARCH CENTER**

March 2, 2018 / Volume 6, Issue 9

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

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**WRRC CONFERENCE 2018
THE BUSINESS
OF WATER**

**EARLY BIRD
REGISTRATION
ENDING!**

**WRRC 2018 Conference - Early Bird Registration
Rate Ends and Keynote by NWRA VP Ian Lyle**

Early bird registration for the 2018 WRRC Conference, The Business of Water, will end tonight - Friday, March 2! After tonight the conference registration rate will be \$125. So register now at an early bird rate of only \$100, and join us at the University of Arizona Student Union on March 28 for a day devoted to this multidimensional topic.

Executive Vice President of the National Water Resources Association, Ian Lyle, will present the morning keynote, providing a federal perspective on water infrastructure. Mr. Lyle's experience includes a decade spent working on natural resource policy in the U.S. Senate and House of Representatives, including three years with the House Committee on Natural Resources. His experience and current position at NWRA make him well-qualified to comment on national water infrastructure priorities and prospects for funding.

[Agenda](#)

Register Today!

WRRC EVENTS

Special Upcoming WRRC Brown Bag

April 12, 2018

Time/Location: 4:00 p.m. - 5:15 p.m. / ENR2, S207
(1064 E. Lowell St., Tucson)

Note special time and location

Speaker: Felicia Marcus, Chair, California State Water Resources Control Board



Felicia Marcus was appointed by Governor Jerry Brown to the State Water Resources Control Board for the State of California in 2012 and designated by the Governor as Chair in April of 2013. The Board implements both federal and state laws regarding drinking water and water quality, and it implements the state's water rights laws. The Board sets statewide water quality, drinking water, and water rights policy; hears appeals of local regional board water quality decisions; decides water rights disputes; and provides financial assistance to communities to upgrade water infrastructure.

Video will be posted shortly after the presentation

[More About Felicia Marcus](#)

WRRC Brown Bag - Hidden Water: The Fresh Water Pozos of the Gran Desierto

March 13, 2018

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

Speaker: Dr. Ben Wilder, Director, Desert Laboratory on Tumamoc Hill



The Gran Desierto region of the Sonoran Desert is the largest extent of sand dunes in North America. An array of freshwater springs, or pozos, punctuate the salt flats where the dunes meet the sea. Of unknown origin, and essential to countless species, their waters rise up out of the dunes. This presentation will describe the transdisciplinary collaboration between a botanist, hydrologist, and artist, which seeks to trace the origin of the pozo's water, determine



how long it has resided below the dunes, and show how the pozos and the riparian vegetation they support have changed through time. From the traditional salt pilgrimage of the Tohono O'odham people, to nesting raptors, generations of cottonwood trees, and the future of water in the binational Sonoran Desert; these springs are central to the larger story of how humanity interacts with water in the arid west. The project, a part of the Next Generation

Sonoran Desert Researchers 6&6 art-science collaboration (nextgensd6and6.com), will document the results of this wide-ranging and interdependent effort as part of the 6&6 art show at the University of Arizona Museum of Art, opening in January 2019.



If you can't make the seminar on March 13, you can join us [here](#).

WRRC Brown Bag - WATER CASA at 20: Lessons Learned, Unlearned, or Relearned

March 19, 2018

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

Speaker: Val Little, *Director, Water Conservation Alliance of Southern Arizona*

As Water CASA reaches a milestone -- 20-years of water conservation advocacy, Val Little allows herself a look back and a look forward, through the lens of Water CASA's accomplishments, at some lessons learned from its efforts. Much has changed in the past 20 years in the field of water conservation and in overall water management. A candid look at some of these changes can inform decisions going forward. "If I have learned one thing over the past 20 years it is that water management is only going to get more complicated and costly in the future. We must be well informed and well prepared to make clear-eyed, rigorous choices for the benefit of all of us."



If you can't make the seminar on March 2, you can join us [here](#).

Upcoming Brown Bag Seminars

- **Apr. 17** - Chris Castro, *Associate Professor, Department of Hydrology & Atmospheric Sciences, University of Arizona*
- **Apr. 25** - Melanie Stansbury, *Sr. Advisor and Consultant, Utton Transboundary Resources Center, University of New Mexico*
- **Apr. 26** - Cindy Wallace, *Research Geographer, USGS Western Geographic Science Center*



OTHER EVENTS

Second Public Meeting - Lower Santa Cruz River Basin Study

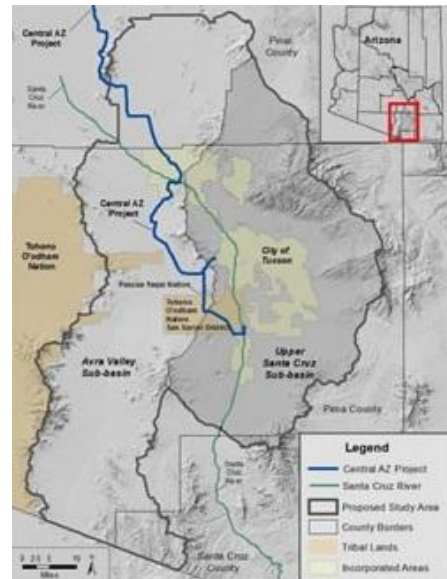
March 12, 2018

Time/Location: 4:00 p.m. - 5:30 p.m. / Pima Association of Governments 4th Floor Santa Rita Room (1 E. Broadway Blvd., Tucson)

Meet-and-Greet: 3:30 p.m.

The 3-year Lower Santa Cruz River (LSCR) Basin Study will identify where physical water resources are needed to mitigate climate change impacts and improve water reliability for the municipal, agricultural and environmental sectors in the Tucson region. The second public meeting will provide updates on the LSCR Basin Study and give stakeholders and members of the public an opportunity to share their thoughts on study progress and future activities.

[Register](#)



WRRC NEWS

John Fleck Presented WRRC Brown Bag

On February 22, John Fleck, Director of the University of New Mexico Water Resources Program, presented on how myths of crisis and conflict stand in the way of resolving the water problems of the West. Fleck addressed a few of what he deemed the most prominent myths about water in the West: "we're running out of water," "whiskey's for drinkin', water's for fightin' over," and "water flows uphill toward money."

Fleck said that while the West's population and economy continue to grow, its water use does



not. Regarding water and conflict, Fleck pointed to the 2014 Colorado River pulse flows that came as a result of cooperation between the U.S. and Mexico. Fleck also pointed to how water has not, in fact, "flowed uphill toward money", as many farmers and other communities have held onto their water rights. While he acknowledged that the West still has serious water challenges, Fleck proposed that dispelling these myths can help to resolve future issues.

[View Brown Bag](#)

Update on Arizona's Challenges: Water and Sun

On Saturday, March 17, WRRRC Director Sharon B. Megdal will join Keven Koch, CEO of Technicians for Sustainability, at the League of Woman Voters of Greater Tucson for a panel discussion about water issues and practical applications of solar energy in Tucson.

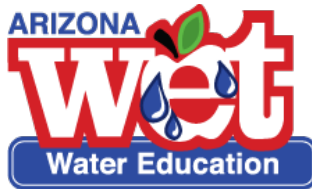
The League supports conservation of water resources as well as more emphasis on solar energy. Both speakers will bring participants up to date on the latest news about these issues.



**LEAGUE OF
WOMEN VOTERS®**

[Event Flyer](#)

Immerse Yourself in the Water of Everyday Life at Science City



Seize the opportunity and look into the world of underwater robotics! APW will be facilitating activities for the public at Science City during the annual Festival of Books on the east end of the University

of Arizona Mall all day March 9th and 10th. We'll fly an ROV (Remotely Operated Vehicle) underwater, use hydraulics to pick up and deploy items, and experiment with neutral buoyancy. Explore how surface water connects to our groundwater and discover how to be a watershed manager. Engage in all of these activities and learn the role science and engineering play in the water of our everyday life. So, come join us in the Everyday Life neighborhood of Science City!



[Science City](#)

Guidance Report Published for DPR Regulation in Arizona

A new report, *Guidance Framework for Direct Potable Reuse in Arizona*, was recently released by WateReuse Arizona, AZ Water Association, and the National Water Research Institute (NWRI). This past June 2017, following an intensive stakeholder process, Arizona



Department of Environmental Quality (ADEQ) released draft interim regulations for reclaimed or recycled water. The interim regulations include a new permit and interim criteria for Advanced Reclaimed Water Treatment Facilities capable of producing water "suitable for human consumption". The new report was prepared to provide information in support of Arizona's efforts to develop permanent regulations. It covers multiple facets of direct potable reuse, including treatment technologies, pathogen reduction, monitoring, and operator training, among many others. Report recommendations aim to protect public health at a level as good as or better than provided by conventional drinking water supplies in the United States. Published by NWRI, the *Guidance Framework for Direct Potable Reuse in Arizona* can be downloaded [here](#).

Water RAPIDS Student Position

The WRRC seeks applicants for a student hourly position. This position will be part of the Water RAPIDS (Research and Planning Innovations for Dryland Systems) program focusing on new approaches to water resource management that integrate traditional planning for natural resources with land use planning. The student will assist in researching water policy and management and providing technical expertise, primarily utilizing ArcGIS software and analysis skills. To learn more about the current Water RAPIDS projects, please visit our [website](#). This position will start in March 2018 and is for a six-month period, with possible extension depending on funding. Please submit a resume and cover letter via email to [Ashley Hullinger](#) by March 16.



Water RAPIDS
Water Research And Planning
Innovations for Dryland Systems

Job Description

ANNOUNCEMENTS

- [March 3 SRP Water Conservation Expo](#)
- [March 9 33rd Annual WaterReuse - Call for Abstracts](#)
- [March 21 GWP Native Plant Nursery Manager - Application Due](#)
- [March 25-28 AWWA Sustainable Water Management Conference](#)
- [April 12, 19, and 26 Advanced Smartscape: Irrigation Courses](#)
- [April 16 AHS Symposium - Call for Abstracts](#)
- [April 24-26 IFC Flow 2018 - Registration Open](#)
- [May 2-4 AZ Water 91st Annual Conference & Exhibition](#)
- [May 10 PNW WaterReuse Conference - Advance Registration Ends](#)

[Visit Our Website](#)