

WEEKLY WAVE



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

May 5, 2017 / Volume 5, Issue 18

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

In this issue: [Beyond the Mirage](#) / [Water Map](#) / [Strategic Planning](#) / [WEST Center](#) / [ADEQ](#) / [Summer Wave](#)



Spring AWR Now Available On Line

The spring issue of the WRRC's Arizona Water Resource quarterly newsletter was published and emailed to subscribers this week. This AWR features an article recapping the main themes explored in the WRRC's 2017 annual conference, *Irrigated Agriculture in Arizona: A Fresh Perspective*, held March 28 at the UA Student Union Memorial Center in Tucson. The conference offered a diversity of speakers and panels covering the range of issues facing irrigated agriculture in Arizona, and the AWR articles hit many of the highlights. Also in this issue is a Special Feature on the making of the Arizona Water Map poster that has just been completed after more than a year of collaborative planning, creating, and revising. Along with the usual sections on news and resources, this AWR presents WRRC Director Sharon B. Megdal's Public Policy Review column noting the many activities and accomplishments that filled her spring.

You can read this issue of AWR by clicking [here](#).

WRRC EVENTS

WRRC Brown Bag - The Role of National Forest Lands in Improving Watershed Health through the Watershed Condition Framework

May 8, 2017

Time/Location:

3:45 p.m. - 5:00 p.m./ WRRC Sol Resnick Conference Room (350 N. Campbell Ave., Tucson)

Please note special time

Speaker:

Kelly Mott Lacroix, *Hydrologist, U.S. Forest Service*

Covering 450 million acres and encompassing over 15,000 subwatersheds, the U.S. Department of Agriculture Forest Service (USFS) Watershed Condition Framework (WCF) is significant in scope and potential to help communities and the USFS safeguard our nation's drinking water, rural livelihoods, and natural environment. As the Agency's first nationally consistent reconnaissance-level approach for classifying watershed condition and targeting programs of work in priority watersheds, the WCF is fostering integrated ecosystem-based watershed restoration and improving nation-scale reporting of restoration accomplishments. This presentation will review the six year history of the WCF, accomplishments to date, and the role that our nation's forests play in providing clean and abundant water for millions of Americans.

[More](#)



WRRC Brown Bag - Preserving Lake Kinneret (the Sea of Galilee) as a Strategic Regional Water Resource in a Changing Climate

June 16, 2017

Time/Location:

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

Co-sponsored by:

The Weintraub Israel Center and Conrad and Ann Plimpton

Speaker:

Doron Markel, *Israeli Water Authority*

Lake Kinneret (the Sea of Galilee) is the only freshwater lake in Israel, supplying about 20% of the country's potable water. Israel also supplies 50 million cubic meters per year (MCM/y) from the Lake to the Hashemite Kingdom of Jordan. There are plans to increase the supply to Jordan to 100



MCM/y by 2020, according to a recent agreement between the countries related to the Red Sea-Dead Sea project. The Lake also sustains commercial fishery and serves as a touristic attraction. According to long term climate forecast models, net inflows into Lake Kinneret will continue their downward trend. The presentation will discuss the challenges of managing Lake Kinneret and the strategic management plan implemented by the Israel Water Authority. The plan includes increased removal of saline inflows, fisheries management, intensified prevention of pollution in the watershed, and increased water inflow and water exchange by various means.

[More](#)



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

OTHER EVENTS

Gertrude and Fred Rosen Memorial Lecture - Bridging Through Water

May 7, 2017

Time/Location:

7:00 p.m./ Weintraub Israel Center Tucson J Heritage Room (3822 E. River Rd., Tucson)

Speaker:

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



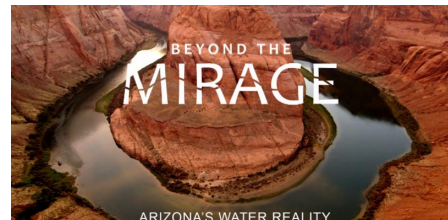
Based on Dr. Megdal's research and the perspective she has gained from many visits to Israel and the region, she will share up-to-date information on Israel's water management practices. Israel is a world leader in efforts to combat scarcity of naturally occurring freshwater. She will explain how Israel's development and deployment of water technology, along with national water management practices, are relevant to our region. Dr. Megdal will also share how the Red-Dead pilot desalination project can be a bridge to regional cooperation. A screening of *Beyond the Mirage* with a Q&A session will follow. This event is free and open to all (suggested donation of \$5 per person at the event).

[More](#)

NEWS

Beyond the Mirage: the Future of Water in the West is Now Available for Download

Perhaps you were too busy to watch last year's showings of *Beyond the Mirage* on Arizona Public Media, or have been unable to procure a DVD of this intriguing and award-winning documentary film. All is not lost! *Beyond the Mirage: the Future of Water in the West* is now available for download from Amazon.com. Be sure to take advantage of the opportunity to

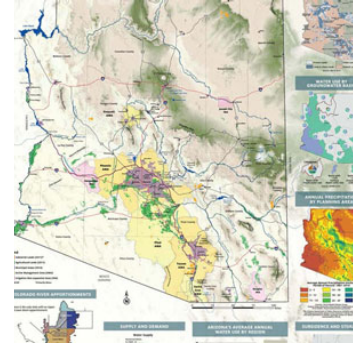


view this film, which covers the enormous water challenges faced by the Western U.S., and offers testimony to the resolve of water management professionals seeking a way forward.

[More](#)

Arizona Water Map Poster is Now Available

The fourth version of the Arizona Water Map is now available. The WRRRC looks forward to sharing the latest map far and wide throughout the state, the region, and to the offices of law makers in Washington D.C., continuing a tradition of providing reliable and concise visual representation of Arizona's water resources.



Notable updates 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.

[More](#)

Strategic Planning for the Future of Arizona Students



Arizona K-12 Science Standards are undergoing revision, and questions abound: what will the changes be; how will they effect instruction; how will assessment change? The

formidable job of bringing the answers to life lies in the hands of Arizona's Science Coordinators and educational leaders. To support these change-agents as they strive to raise Arizona science education to new heights, APW is partnering with [ADE](#), [NAU](#), and AzSELA to implement a pilot program, the Arizona Science Coordinators Collaborative (ASCC).



Recently, participants in the ASCC gathered in regional cohorts to begin strategic planning for the delivery of professional development designed to improve instruction in ways that increase students' achievement. While thinking deeply on the parts of their systems that influence their planning process, these science leaders worked to integrate insights from research and peer collaboration. One participant shared, "My mind is racing with ideas and thoughts about how to start the process in my district. So grateful to be part of this group."

[More](#)

Plugging into WEST: Connecting to the UA Water and Energy Sustainable Technology Center - Brown Bag Video Posted

On April 26, the WRRRC Brown Bag featured a presentation about connecting with the University of Arizona Water and Energy Sustainable Technology (WEST) Center. Dr. Ian Pepper, co-director of the WEST Center and UA Professor, Soil, Water and Environmental Science, began by



describing the history of WEST and its role in a national water resource and reuse context. It is possible to connect with WEST in a variety of ways. Tours are offered for faculty, UA students and classes, high school students, state legislators and staffers, and community groups. Dr. Pepper described several ways that faculty grant proposals gain advantages by collaborating with WEST, including being able to utilize state-of-the-art technology and to more easily develop public/private partnerships by utilizing the WEST connections. He also described new efforts to establish undergraduate fellowships and to connect industry and students through an internship program. The remainder of the presentation focused on the advanced technology found in various WEST labs as well as on the many innovative research projects currently housed on site.

[More](#)

ADEQ is Recruiting Volunteer Citizen Science Water Monitors



For more than three decades, the Arizona Department of Environmental Quality has implemented a variety of programs and funded grants to monitor, protect, and improve the quality of Arizona's surface waters. The Citizen Science Water Monitoring Program, assists ADEQ in monitoring the health of our waters and inform measures to protect it for future generations. This program provides a unique opportunity for Arizonans ages 10 through retirement to work with ADEQ scientists on research and environmental protection of Arizona's waterways.

[More](#)

Summer Wave Begins May 26



Beginning May 26, 2017, the WRRC will again switch over to a biweekly newsletter, the Summer Wave. We will continue to bring you upcoming events, relevant stories, and announcements to keep you informed and up to date.

The WRRC wishes everyone a safe and enjoyable summer. We will resume our weekly schedule on August 25, 2017.

ANNOUNCEMENTS

- [May 8 AWRA Annual Conference Abstracts Due](#)
- [May 10 Deadline Extension for Proposed Changes to Reclaimed Water Rules Comment](#)
- [May 18, Northwest Basins Planning Area Stakeholders Meeting](#)
- [May 19, Agribusiness & Water Council of Arizona's Annual Meeting & Water Conference - Trumping Arizona Ag](#)
- [June 13-15 UCOWR/NIWR Conferece - Preliminary Program now Posted](#)
- [August 24-25, Arizona Water Law Conference - Balancing the Rights &](#)

Interests of all Arizonans

WATER RESOURCES RESEARCH CENTER

[Visit Our Website](#)