

WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

**WATER RESOURCES
RESEARCH CENTER**



May 12, 2023 / Volume 11, Issue 19

The Water Resources 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. [Land Acknowledgement](#).

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IN THIS ISSUE: Factsheet, Water Policy Council, NVIS Recap, Women in Water Diplomacy, Climate Data, ADEQ Survey

The image shows the cover of the 'Arizona Water Factsheet' for Yavapai County. The cover features a scenic background of a river and mountains. On the left, there is a preview of the factsheet content, including a map of Arizona, a pie chart titled 'Arizona Water Supply and Demand', and a section titled 'Water in Yavapai County'. The pie chart shows the following data:

Category	Value	Percentage
Surface Water	3,220 MGD	75%
Groundwater	3,700 MGD	85%
Reclaimed Water	124 MGD	3%
Municipal	1,240 MGD	27%
Industrial	14 MGD	0.4%
Agriculture	4,200 MGD	96%

The 'Water in Yavapai County' section includes text about the Mogollon Rim and the Colorado Plateau. The main title 'ARIZONA WATER FACTSHEET' is in a large, bold, white font on a dark blue background, with 'YAVAPAI COUNTY' below it in a similar style.

The Yavapai County Water Factsheet is now available! As the fifth installment of the WRRC's Arizona Water Factsheet initiative, this eight-page resource provides wide-ranging examples and essential contextual information to understand water supplies, demands, and management in Yavapai County.

[Read More](#)

EVENTS

WRRC Seminar Series: Green Infrastructure in Tucson, AZ

Date: Wednesday, May 17, 2023

Times: 12:00 pm – 1:15 pm Arizona Time

Location: [Webinar Only](#)

Speakers:

Adriana Zuniga, *Assistant Professor, School of Geography, Development & Environment, University of Arizona*

Blue Baldwin, *Storm to Shade Program Manager, Tucson Water*

In this WRRC seminar, Adriana Zuniga will describe a brief history of water management in Tucson and how this desert city became a leader in green infrastructure in the country. Blue Baldwin will then present an overview of the modern evolution of green stormwater infrastructure in Tucson over the past decades, from grassroots, "pre-legal" actions to current policy and ultimate institutionalization with the advent of the Storm to Shade Program at Tucson Water. The Storm to Shade program's goals, project prioritization framework, maintenance program, key partnerships, challenges, and long-term vision for the S2S will be covered.



[Register Here](#)
[More Info](#)

CLE International's Law of the Colorado River 23rd Annual Conference: The Next Century of River Policy

Dates: May 18–19, 2023

Location: [Hilton Scottsdale](#)

The 23rd Annual Law of the Colorado River Conference: *The Next Century of River Policy* will be delivered live in Scottsdale, Arizona. Reconnect with colleagues and hear from an outstanding group of nationally-recognized experts representing all points of view. Earn up to 12 hours MCLE credit, including one hour of ethics.



[Register Here](#)
[More Info](#)

Upcoming WRRC Events

Jun 1 at 12:00 pm: [WRRC Seminar Series: Homeowners Associations – An Overlooked Water Sustainability Opportunity in the Desert: 2023 Update](#)

Jul 11–12: [WRRC 2023 Annual Conference: What Can We Do? Solutions to Arizona's Water Challenges](#)



External Events

Aug 3–4: [31st Annual Arizona Water Law Conference](#)

NEWS

Members of the New Governor's Water Policy Council Announced

On May 4, Governor Katie Hobbs announced the members she has selected to serve on her new Governor's Water Policy Council. The Council, which was created by Executive Order, will develop policy and legislative recommendations for the governor, and includes bipartisan representation from "the Arizona legislature, executive agency cabinet directors, water providers, cities, the development community, agriculture, industry, conservation organizations, university experts, and more." WRRC Director Sharon B. Megdal is among those selected to serve. The council will begin by focusing on rural groundwater policies and Assured Water Supply. Their first meeting is scheduled for May 17, 2023.



Image: Frederick Tack, Glen Canyon, AZ, WRRC Photo Contest

[News Release](#)
[List of Council Members](#)

Final NVIS Seminar of the Spring Semester

On May 3, University of Arizona graduate students Chantel Harrison and Jaymus Lee, both Diné, presented their research for the final UArizona Native Voices in Stem (NVIS) seminar of the Spring 2023 semester. Lee began with a presentation on "Off-Grid CEA

Greenhouse for Food Production: A Collaborative Pilot Project between Diné College and the University of Arizona.” Lee shared his work on off-grid greenhouse and hydroponic system designs, including the renovation of a high tunnel hoop house. He is studying Applied Biosciences in the Professional Science Masters (PSM) program in Controlled Environment Agriculture (CEA). Harrison followed with a presentation titled “Indigeponics: Indigenizing Controlled Environment Agriculture.” She is also studying CEA within the PSM program and is an IndigeFEWSS Fellow, Sloan Scholar, and Native Pathways Fellow. Harrison’s work focuses on sustainable food systems in Indigenous communities through CEA. She leads an Indigenous greenhouse research project, Indige Planted LLC, in partnership with indigenous growers and organizations. The presentations were followed by a Q&A. A recording of the seminar will be posted soon to the NVIS seminar library.



[More Info](#)
[Seminar Library](#)

Women in Water Diplomacy Network Releases After Action Report

The Women in Water Diplomacy Network has released their After Action Report for the UN 2023 Water Conference and Water Diplomacy Symposium. The Symposium, convened by the Women in Water Diplomacy Network with partners including the WRRC, was held in advance of the UN Conference to “enable networking, foster partnerships, and encourage information exchange” amongst those attending the UN Water Conference, “with a focus on critical themes related to transboundary basins globally.” The event gave special focus to women water leaders and was attended by water diplomats, both formal and informal, from around the world. The 80-page After Action Report provides an overview of the proceedings of the Water Diplomacy Symposium and other Women in Water Diplomacy Network events associated with the UN 2023 Water Conference — including the WRRC’s webinar on conference takeaways featuring multiple special guest speakers — as well as biographies of Symposium participants and the results of a survey evaluating the Network’s engagements. In addition to the After Action Report, a recording of the official Women in Water Diplomacy Network side event held during the UN Water Conference, “Elevating Critical Voices in Water Diplomacy,” is now available to view on YouTube.



[After Action Report](#)
[Side Event Recording](#)

UArizona Profs Presented on Climate Data at SXSW

UArizona professors Joellen Russell and Beth Tellman gave a presentation, titled “Climate Data is Power – to the People,” at the Wonder House South by Southwest (SXSW) conference held in Austin, TX in March 2023. Russell and Tellman, both climate scientists, discussed ways to use climate data to develop a better future. They emphasized the importance of paying attention to rising ocean levels and global temperatures and

provided predictions for future emissions. Dr. Tellman, whose research focuses on flood risk, environmental change, and land-use change to predict risk to human life and communities, outlined areas of current need by utilizing detailed maps of floods, which update in real-time! Understanding how social processes relate to climate change via satellite image pixels and satellite data is the cornerstone of her research. Dr. Russell, who is also an oceanographer, utilizes robot floats, satellites, and supercomputers to predict how the ocean will affect changes in the climate by studying the past, present, and future carbon cycle. View the dynamic and engaging presentation at the link below.



- [View the Recording](#)
- [SXSW 2023](#)
- [Story in The Dirt Newsletter](#)

Have a Septic System? ADEQ Seeks Input

The Arizona Department of Environmental Quality (ADEQ) has released a survey to help the agency improve its onsite wastewater treatment program. The short anonymous survey asks questions about your septic system experience and will be used to help ADEQ develop educational resources for system maintenance. Do you have a septic tank system or an alternative system installed to treat and dispose of wastewater? If so, consider taking the survey!



Image: ADEQ

[Take the Survey](#)



The Summer Wave Will Return on May 26

This is the final issue of the *Weekly Wave* until the Fall, but don't worry, the *Summer Wave* will begin on a bi-weekly basis starting May 26. We thank you for your continued interest in the WRRC's many publications, programs, outreach efforts, and research projects, along with other water-related news and announcements.



WATER JOBS

- Hopi Tribe [Program Manager, Water Resources](#)
- Theodore Roosevelt Conservation Partnership [Western Water Policy Associate](#)
- Yavapai County [Flood Control District Engineer - Flood Control \(Prescott\)](#)

Please visit [WRRC's website](#) for a complete listing of water jobs & opportunities.

ANNOUNCEMENTS

- **May 12:** [AWRA 2023 Annual Water Resources Conference – Abstract Deadline](#)
- **May 15:** [ASU SCN Climate & Resilience Workgroup Meeting: Local Climate Action – Seize the Day!](#)
- **May 16:** [Sustainable Cities Network Green Infrastructure Workgroup Meeting](#)
- **May 16:** [Spring 2023 Drought Interagency Coordinating Group Meeting](#)
- **May 16–17:** [2023 Tribal Environmental Health Forum: Elevating Traditional Knowledge to Achieve Environmental Health Justice in Indigenous Communities](#)
- **May 17:** [WRRC Seminar Series: Green Infrastructure in Tucson, AZ](#)
- **May 18:** [CAP Board Meetings](#)
- **May 18–19:** [CLE International's Law of the Colorado River 23rd Annual Conference: The Next Century of River Policy](#)
- **May 18–20:** [Climate Change Preparedness Conference and Workshop](#)
- **May 19:** [NAMWUA Water Utility Leadership Forum \(WULF\)](#)
- **May 19:** [WIFA Water Conservation Grant Fund – Application Deadline](#)
- **May 20:** [Sonoran Institute Santa Cruz River Cleanup & Fundraiser](#)
- **May 23–25:** [Rural Water Association of Arizona 2023 Annual Spring Conference](#)
- **May 24:** [CAGR 2025 Plan of Operation Obligation Projection Roundtable](#)
- **May 24:** [AWRA 2023 Webinars: Is the Maternal Wall Causing a Critical Leak in the STEMM Pipeline?](#)
- **May 30:** [AAWWA Wine, Women & Golf](#)
- **May 31:** [Arizona Forward Breakfast Panel: Beyond the Headlines: Water Solutions to Move Arizona Forward](#)
- **May 31:** [AAWWA Colorado River Update](#)
- **May 31:** [US Water Prize 2023 – Nomination Deadline](#)
- **May 31:** [NWRI Fellowship Program 2023-24 – Application Deadline](#)
- **Jun 1:** [WRRC Seminar Series: Homeowners Associations – An Overlooked Water Sustainability Opportunity in the Desert: 2023 Update](#)
- **Jun 6:** [Rio Reimagined RIO Partnership Meeting](#)
- **Jun 7:** [Public Meeting on Hualapai Valley Irrigation Non-Expansion Area](#)
- **Jun 10:** [Pima County Master Gardeners Sage Seminar: Planning & Planting Your Xeriscape Garden](#)
- **Jun 13–15:** [UCOWR/NIWR 2023 Annual Water Resources Conference](#)
- **Jun 15:** [WaterReuse Arizona 2023 Scholarship – Application Deadline](#)
- **Jun 15–16:** [2023 Next Generation Water Summit](#)
- **Jul 11–12:** [WRRC 2023 Annual Conference: What Can We Do? Solutions to Arizona's Water Challenges](#)
- **Jul 17–19:** [AWRA 2023 Summer Conference: Connecting Land & Water for Healthy Communities](#)
- **Jul 23–25:** [Arizona Water Reuse 2023 Symposium](#)
- **Aug 3–4:** [31st Annual Arizona Water Law Conference](#)
- **Sep 12:** [AWRA 2023 Annual Water Resources Conference – Student Poster Deadline](#)

- **Sep 13–16:** [Arizona Hydrological Society 35th Annual Symposium](#)
- **Oct 7:** [Urban Wildlife Conservation Day: Rio Reimagined Salt River Clean-Up](#)
- **Oct 21:** [19th Annual Research Insights in Semiarid Ecosystems \(RISE\) Symposium – Save the Date!](#)
- **Nov 6–8:** [AWRA 2023 Annual Water Resources Conference](#)
- **Nov 14–16:** [US Water Alliance One Water Summit 2023](#)

PUBLICATIONS & MEDIA

Current Colorado River Conditions Dashboard

Take a look at the most recent data on the Colorado River conditions. [More Info](#)

OTHER NOTICES

EPA Seeking Nominations to the Good Neighbor Environmental Board

EPA invites nominations from a diverse range of qualified candidates to be considered for appointment to its [Good Neighbor Environmental Board \(GNEB\)](#). Approximately ten vacancies are expected to be filled by December 2023. [More Info](#)

Do you have a story idea, water job announcement, or event to share?

[Contact us here](#)