

WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

**WATER RESOURCES
RESEARCH CENTER**



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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. [Subscribe to the Weekly Wave.](#)

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IN THIS ISSUE: Conference Sponsorship, Brown Bag Recap, Sovereign Nations Map, IAH, Groundwater Puzzle Game, New Accountant



WRRRC Invites Your Support: Sponsor Our

2022 Annual Conference

The 2022 WRRRC Conference, [Arizona's Agricultural Outlook: Water, Climate, and Sustainability](#), is quickly approaching. The conference will begin July 12 with an in-person event that includes livestreaming, followed by several days of virtual programming. This hybrid approach will help reduce barriers to participation in this critical discussion. To facilitate the face-to-face conversations that foster strong and lasting relationships, our goal is to minimize registration fees for all and offer significant discounts to students. Sponsorships make this possible.

Image: Michael Kotutwa Johnson

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EVENTS

WRRRC Special Event: Counter Mapping Articulates What is Between

Date: May 2, 2022

Time: 3:00 pm-4:30 pm Arizona Time

Location: [Webinar Only](#)

Speaker: Jim Enote, *CEO, Colorado Plateau Foundation*



As a lifelong farmer, land and water practitioner, natural resources manager, and museum director, Jim Enote has thought hard about maps and mapping by challenging how we think about, use, and view maps. Coming to us virtually from his home in Zuni, New Mexico, Jim will talk about his experiences with maps and new approaches to map-making. Counter maps appear from neglected spaces, forgotten peoples, intervals of crisis and rapture, and in the pattern languages of our lives.

Image: Rucha Chitnis

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

Upcoming Events

May 9: [Night of Ideas – Tucson; Arizona, a Laboratory for the World: Conference-Debate on Contemporary Social and Environmental Challenges](#)

May 10: [Celebrating 100 Years of Relations Between Egypt and the US](#); Featuring the Ambassador of the Arab Republic of Egypt to the US, Ambassador Motaz Zahran; To request a registration code, email jellison@arizona.edu.

May 16: [WRRRC Special Event: INHABITANTS: Indigenous Perspectives on Restoring Our World Screening and Panel Q&A](#)

May 17: [WRRRC Brown Bag Webinar: Water Reuse Action Plan and REUSExplorer Demo](#); Sharon Nappier, *National Program Leader for Water Reuse, US Environmental*

Jul 12-15: [WRRC 2022 Annual Conference: Arizona's Agricultural Outlook: Water, Climate, and Sustainability](#)



The banner features a teal background on the left with a graphic of a landscape with a sun, clouds, and green hills. Text on the left includes 'WRRC 2022 ANNUAL CONFERENCE', 'Arizona's Agricultural Outlook: Water, Climate, and Sustainability', and the 'WATER RESOURCES RESEARCH CENTER' logo. On the right, a checkmark icon is next to the text 'MARK YOUR CALENDAR!'. Below this, two green boxes provide event details: 'July 12 | In-person Event with Livestreaming' and 'July 13-15 | Additional Virtual Programming'. The background of the right side shows an aerial view of agricultural fields.



NEWS

WRRC Brown Bag: The Role of NGOs in International Colorado River Policy

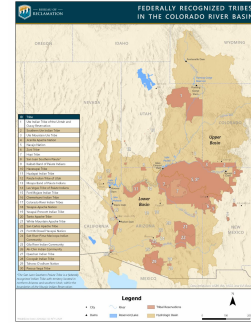
On Tuesday, the WRRC hosted a Brown Bag Webinar, *Civil Society in the Binational Agreements of the Colorado River: Advocacy Meets Shuttle Diplomacy*, featuring speaker Carlos de la Parra. In his presentation, de la Parra discussed the role of Non-governmental Organizations (NGOs) in both the US and Mexico and the Treaty on International Waters, which governs water policy between the two countries. De la Parra began his presentation by explaining some of the history of NGOs in Mexico and his own experiences with civil society in the water sector. He explored past, current, and possible future work of NGOs and the impacts that they can have in the agricultural water world. He emphasized the difficulty and importance of engaging with local agricultural communities in places like Mexicali with the goal of improving water efficiency. NGOs have developed enough rapport with local farmers to hold workshops on topics like land fallowing and crop conversion, which will lead to additional water savings that can be returned to the environment for ecological restoration. After his talk, de la Parra engaged in a Q&A with the audience on the role of civil society in border water policy.



[View the Recording](#)

New Reclamation Map Highlights Sovereign Nations

The United States Bureau of Reclamation has distributed an updated map depicting the full extent of the Colorado River Basin (CRB), from western Wyoming to Sonora, Mexico; and within the basin's boundaries, all thirty federally recognized Tribal Nations. Titled *Federally Recognized Tribes in the Colorado River Basin*, this map highlights the inter-governmental nature of water resources management in the CRB. The WRRC, through our Indigenous Water Dialogues Initiative, works to highlight the role of sovereign Tribal Nations in water resources. This map is significant in this work because it, like all maps, tells a story that can have an impact on decision-making. A map's power to deepen our understanding and expand our curiosity comes not only from what it includes but what is left out. When new choices are made, the story changes. This updated view of the CRB will help tell the evolving story of water in the southwestern United States. The upcoming WRRC Special Event, [Counter Mapping Articulates What Is Between](#) (May 2 at 3:00 pm), will delve into the power of maps.



[Download the Map](#) [WRRC Special Event on Counter Mapping](#)

WRRC Director Megdal Honored at IAH Commission Event

The International Association of Hydrogeologists Commission on Managing Aquifer Recharge (IAH-MAR Commission) held a meeting and plenary session at ISMAR11 on the evening of April 12, 2022. In addition to electing a slate of officers, the session honored individuals who had contributed significantly to the organization's mission. At the event, conference co-chairs and the IAH President, Prof. David Kreamer, surprised WRRC Director Sharon B. Megdal with an IAH Certificate of Appreciation for her contributions to "special issues arising from ISMAR symposia" and for being a "champion in developing MAR policy governance." The IAH is the international society for the science and practice of hydrogeology, recognized globally as a leading source for awareness and knowledge of groundwater and its sustainable management.



[IAH](#)

Online Puzzle Game Educates About Groundwater

A collaboration between the International Water Resources Association and the University of Massachusetts Amherst produced an online puzzle game that educates players about groundwater. The game is like a digital escape room. The objective is to solve a multi-step puzzle to help the player's "Aunt Darcy." It is accessible to anyone; all you need is a computer with internet access and a notepad to keep track of clues. In order to solve the puzzle, players must read through hydrogeologist Aunt Darcy's books, files, and notes,



learning about topics like well drilling, transboundary aquifers, salinity, nitrate leaching, and hydraulic conductivity. While reading, it's important to keep an eye out for clues, which may be words, numbers, or symbols of special significance. While a few hints are provided to help, the player must find all of the clues to save the day! When put together in the correct order, the clues allow players to solve the puzzle and win the game. This game is designed for those who are unfamiliar with groundwater issues, but also enjoyable for groundwater experts who just want to have some fun!

[Play the Game](#)

WRRC Welcomes New Accountant

The WRRC is pleased to welcome Miranda Sheeley to our staff as a part-time accountant! She is a University of Arizona alumna with nearly eight years of experience working in UArizona's grant administration. For six years, she worked for Sponsored Projects & Contracting Services assisting in both Pre-Award and Post-Award areas. From there, she managed grants within the College of Engineering's Harshbarger-Mines Business Center. When not aiding UArizona faculty, you can find her practicing or teaching yoga at multiple Tucson studios. Welcome to the WRRC, Miranda!



WATER JOBS

UArizona Director, Cooperative Extension [Job Listing](#)

The University of Arizona seeks a strategic and innovative leader to be the next Director of the [UArizona Cooperative Extension System \(CES\)](#).

- WRRC [Statewide Water Information Manager](#)
- City of Chandler [Water Conservation Specialist](#)
- US Forest Service [Interdisciplinary Soil Scientist/Hydrologist](#)
- US Forest Service [West Zone Watershed Specialist](#)
- City of Phoenix [Stormwater Post-Construction Program Manager](#)
- AZ DEQ [Environmental Program Manager](#)
- WestWater Research [Research Associate](#)
- WestWater Research [Research Analyst](#)

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

ANNOUNCEMENTS

- **Apr 22:** [Earth Day 2022: Invest in Our Planet](#)
- **Apr 23:** [RIO Earth Day Salt River Cleanup 2022](#)
- **Apr 24:** [2022 Arizona International Film Festival Screening of Powerlands Documentary](#)
- **Apr 25-27:** [AWRA 2022 Spring Conference: Water Risk Under a Rapidly Changing World - Evaluation & Adaptation](#)
- **Apr 29:** [UCOWR/NIWR 2022 Annual Water Resources Conference – Early Bird Deadline](#)
- **Apr 30:** [OU International WaTER Conference – Abstract Deadline](#)

- **May 1:** [Duke University Water Innovation Leadership Development \(WILD\) Program – Application Deadline](#)
- **May 2:** [AWRA 2022 DEI Scholarship – Application Deadline](#)
- **May 2:** [WRRRC Special Event: Counter Mapping Articulates What is Between](#)
- **May 9:** [Night of Ideas – Tucson; Arizona, a Laboratory for the World: Conference-Debate on Contemporary Social and Environmental Challenges](#)
- **May 9:** [Night of Ideas – Phoenix; Between Dreams and Realities...Where Are We Going?](#)
- **May 10:** [Celebrating 100 Years of Relations Between Egypt and the US](#); Featuring the Ambassador of the Arab Republic of Egypt to the US, Ambassador Motaz Zahran; To request a registration code, email jellison@arizona.edu.
- **May 11-12:** [The Third International Congress on Desert Economy: Energy Economics between Deserts and Oceans](#)
- **May 13:** [31st Desert Horticulture Conference](#)
- **May 15:** [The Babbitt Center for Land and Water Policy: 2022 Evaluating Tools for Integrating Land Use and Water Management – Proposal Deadline](#)
- **May 16:** [WRRRC Special Event: INHABITANTS: Indigenous Perspectives on Restoring Our World Screening and Panel Q&A](#)
- **May 16:** [AWRA 2022 Annual Water Resources Conference – Abstract Deadline](#)
- **May 17:** [WRRRC Brown Bag Webinar: Water Reuse Action Plan and REUSExplorer Demo](#)
- **May 19-20:** [23rd Annual Law of the Colorado River Conference](#)
- **Jun 14-16:** [UCOWR/NIWR 2022 Annual Water Resources Conference](#)
- **Jun 19-24:** [Frontiers in Hydrology 2022: Future of Water](#)
- **Jun 21-24:** [Global Council for Science and the Environment \(GCSE\) 2022 Virtual Conference: Biodiversity, Conservation Science, and Climate Change](#)
- **Jul 12-15:** [WRRRC 2022 Annual Conference: Arizona’s Agricultural Outlook: Water, Climate, and Sustainability](#)
- **Aug 11-12:** [Arizona Water Law Conference](#)
- **Sep 11-14:** [AWWA 2022 Water Infrastructure Conference & Exposition](#)
- **Sep 11-15:** [IWA World Water Congress & Exhibition - Water for Smart Liveable Cities](#)
- **Sep 14-16:** [2022 AHS Annual Symposium](#)
- **Sep 26-27:** [OU International WaTER Conference](#)
- **Sep 26-29:** [State of the Verde Watershed Conference – The Future of the Verde: Solutions for the Next Decade](#)
- **Oct 6-8:** [SustainValencia2022; Achieving Sustainable Groundwater Management: Promising Directions and Unresolved Challenges](#)
- **Nov 7-9:** [AWRA 2022](#)

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

[Contact us here](#)