

# WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES  
COOPERATIVE EXTENSION

**WATER RESOURCES  
RESEARCH CENTER**

September 23, 2016 / Volume 4, Issue 28

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



## Women in Technology Scholarship Goes to APW Team-member



Erin Gray, APW's student administrative assistant, was chosen from a field of over three hundred applicants to be one of ten finalists for the Palantir Women in Technology Scholarship. As a finalist she traveled to Palo Alto to tour Palantir's facilities and meet other women in STEM careers. Erin, an undergraduate studying environmental hydrology at UA, was selected as a scholarship recipient based on the strength of her essay submission, which details her research on isotopic chemistry in Cienega Creek Watershed. This award recognizes Erin's outstanding abilities. Most notably, Erin is a point person extraordinaire for APW's 10 member Arizona Cooperative Extension team and works tirelessly to support the excellence of APW programs.

Find out about APW's outreach mission [here](#)

**WRRC EVENTS****WRRC Brown Bag Seminar - Dam  
Removal and River Restoration of the  
Elwha River, Washington: Lessons  
learned five years into the project****October 6, 2016**

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

**Speaker:** Chris Magirl, Ph.D., Studies Chief, U.S. Geological Survey

With over 20 years of experience researching hydrology and fluid mechanics for both government and industry, Dr. Magirl has worked on fluvial geomorphology, sediment transport, and river ecology issues throughout the western U.S. Before joining the USGS, Dr. Magirl was an R&D project manager and engineer for Hewlett-Packard. He has published over 50 peer-reviewed articles on geomorphology, hydrology, and engineering, and holds six patents.

**WRRC Brown Bag Seminar - Potable  
Reuse for Inland Locations: Pilot  
Testing Results from a New Potable  
Reuse Treatment Scheme****October 26, 2016**

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

**Speakers:** Jeff Biggs, Tucson Water and Michael Hwang, CH2M

**EXTERNAL EVENTS****SWES Colloquium - Characterization  
of Molecular Diversity of Bacteria and  
Virus in the Aquifers of Mexico****September 23, 2016**

**Time/Location:** 3:00 p.m. - 4:00 p.m. / Marley Building Room 230 (1145 E. 4 St.)

**Speaker:** Cecilia Zepeda, Ph.D., Research Scientist,  
Yucatan Center for Scientific Research

Dr. Zepeda works with the Water Science Unit of the Yucatan Center for Scientific Research and undertakes research on the water resources of the Peninsula with emphasis on the quality of underground water bodies, thereby contributing to their responsible management and sustainable use. Her research models the dispersion of contaminants within the Peninsula aquifers, while continuously monitoring the quality of the water for agricultural, industrial, and residential uses.

## NEWS

### Student Research Recognized by CAP



Each year, the Central Arizona Project (CAP) holds a competition for students conducting research on water issues facing the lower basin states (Arizona, California, and Nevada). This year both first and second place prizes were awarded to students with strong connections to the WRRC.

First place was awarded to Beth Kleiman, a graduate student in Water, Society, and Policy in the School of Natural Resources at the University of Arizona, for her paper on "The Water-Energy Nexus Dimension of the Central Arizona Project System Use Agreement." Ms. Kleiman has worked at the WRRC as an Arizona Project WET educator and she conducted the research as part of her M.S. program internship with Tucson Water.

Second place went to Surabhi Karambelkar, a Ph.D. student in the School of Geography and Development at the University of Arizona. Her research, "When the Turbines Stop Turning: Examining the Impacts of Drought on Power Production at Hoover Dam and Its Consequences for Entities in Arizona," originated as work for her Arizona Water Policy class taught by Sharon B. Megdal, Director of the WRRC.

The winning students received cash prizes from CAP and were honored at the Arizona Hydrological Society's Annual meeting during a special awards luncheon. Congratulations to both Beth and Surabhi for a job well done!

### "Beyond the Mirage" Continues to Sweep the Southwest



Since "Beyond the Mirage: The Future of Water in the West" was first released last spring, the documentary has caught the attention of audiences throughout Arizona and beyond, sparking important conversations about water shortage and solutions. As American Public Television stations begin airing the documentary across the country in October, the WRRC is partnering with several organizations to screen the documentary to new audiences. The San Juan - Chama Watershed Partnership in New Mexico, will screen Beyond the Mirage in Albuquerque, followed by a panel conversation of local decision-makers. More locally, screenings will be held at the Gila Watershed Partnership (Safford) and the Big Green Event (Marana). Screening dates are given below. Please contact Ashley Hullinger, at [hullinger@email.arizona.edu](mailto:hullinger@email.arizona.edu) with requests for further details.

October 8: University of New Mexico School of Architecture and Planning, Albuquerque, NM  
October 12: Gila Watershed Partnership, Safford, AZ  
November 5: Big Green Event, Marana, AZ

Join the "Beyond the Mirage" movement [here](#), create your own documentary

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## Register Now for Agronomy Meetings in Phoenix, November 6-9



The American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America will host more than 4,000 scientists, professionals, educators, and students at the 2016 International Annual Meeting, "Resilience Emerging from Scarcity and Abundance," on Nov. 6-9, 2016, in Phoenix, AZ. This meeting is a primary annual gathering for the agronomy industries, and it is being held in our state for the first time in more than 10 years. In addition to updates in agronomy research and special keynote presentations, the meeting offers training events for students and young professionals.

For more information, click [here](#)

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## WRRC Student Expands His Work in Groundwater Governance



WRRC graduate research assistant, Ethan Vimont, had the opportunity to attend the Ground Water Protection Council's 2016 Annual Forum in Orlando, Florida from September 11-14. His research, part of the WRRC's larger groundwater governance project, focuses on state level groundwater quality. WRRC Director Sharon B. Megdal presented the initial findings on a nationwide survey of groundwater quality experts, while Ethan was able to help field questions from the session attendees. When not assisting Dr. Megdal, Ethan was able to attend sessions on a variety of topics. Ethan said that attending the forum was a great experience and he looks forward to continuing his work on groundwater governance.

For more information on groundwater governance, click [here](#)

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## Immediate Openings for Consultants



The U.S. State Department and the U.S. Water Partnership (USWP) are seeking consultants to assist in addressing sustainable management of water across Southern African Development Community (SADAC) countries. Applicants should demonstrate expertise in climate change adaptation, agricultural water-use efficiency, groundwater management, and hydropower.

For information about consultant positions, including application questions, email Marc Dettmann with the USWP Secretariat at [Marc.Dettmann@uswaterpartnership.org](mailto:Marc.Dettmann@uswaterpartnership.org) with a copy to Tim Lattimer at [Tim.Lattimer@uswaterpartnership.org](mailto:Tim.Lattimer@uswaterpartnership.org)

**ANNOUNCEMENTS**



## **Save the Date - SRP 101 Water Forum**

On Monday, October 24, 2016, the Salt River Project (SRP) will hold its tenth annual all-day water education forum, in Tempe, Arizona.

For more information, contact Richard Siegel, 602-236-2277, or [Richard.Siegel@srpnet.com](mailto:Richard.Siegel@srpnet.com).



## **WRRC "Growing with Water" Photo Contest**

Photographers of all skill levels, are encouraged to use their imaginations to capture "Growing with Water," in either urban or rural Arizona settings... flowers to farms, backyard and community gardens to vast agricultural fields, urban landscapes to mountain hideaways, it's up to you! Get creative with interesting photo perspectives, unique detail shots, fascinating vistas, and people in action.

For more information about the photo contest click [here](#)

## **Second Annual Big Green Event to be Held in Marana, Arizona**

On Saturday, November 7, 2016, all things Green will come together for an informational and fun-filled day exploring earth-friendly resources in the community. This is an all-ages event, with admission "cost" of one recyclable or non-perishable food item to support the Marana Food Bank. Be sure to visit the WRRC booth and stop by the library to view the documentary, Beyond the Mirage, the Future of Water in the West.

For more information, click [here](#)

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