

**WRRC**  
WATER RESOURCES RESEARCH CENTER



THE UNIVERSITY  
OF ARIZONA

COLLEGE OF  
AGRICULTURE  
& LIFE SCIENCES  

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COOPERATIVE EXTENSION

# Contributing to a Transatlantic Dialogue on Water: Solutions Development and Implementation

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EU-USA SWAN Project

10 November 2014



[wrrc.arizona.edu](http://wrrc.arizona.edu)

# University of Arizona Water Resources Research Center

The University of Arizona Water Resources Research Center (WRRC) promotes understanding of critical state and regional water management and policy issues through applied research, community outreach and public education.

Web site: [wrrc.arizona.edu](http://wrrc.arizona.edu)

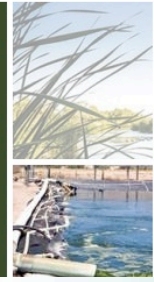




**WRRC Releases Fall 2014 Arizona Water Resource Newsletter**

This issue includes coverage of Arizona's research into algae biofuels; water quality, reuse and management research; a guest column from the Agribusiness and Water Council of Arizona; a special feature on how an international hydrological initiative is helping support water forecasting and monitoring in Africa; a WRRC student spotlight feature on Graduate Student...

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**GRANT Proposals**

**WRRC Invites Research Grant Proposals**

The University of Arizona Water Resources Research Center (WRRC) is now accepting proposals for research grants under the Water Resources Research Act, Section 104(b). Funded by the U.S. Geological Survey (USGS), the Section 104(b) program provides support for research projects on water-related issues of importance to the state and region. This year the WRRC...

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**Oct. 29 Brown Bag Seminar - Tracking Wetland Conditions of an Effluent-Dependent River: The Lower Santa Cruz Living River Project**

Throughout Arizona the release of effluent is maintaining flows of many river reaches. Along the Lower Santa Cruz River in Pima County, two major regional facilities release effluent into the river. These two facilities are undergoing significant upgrades. The release of higher-quality water is a key ingredient in supporting wetland health along the river, but how can...

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## Expertise Directory



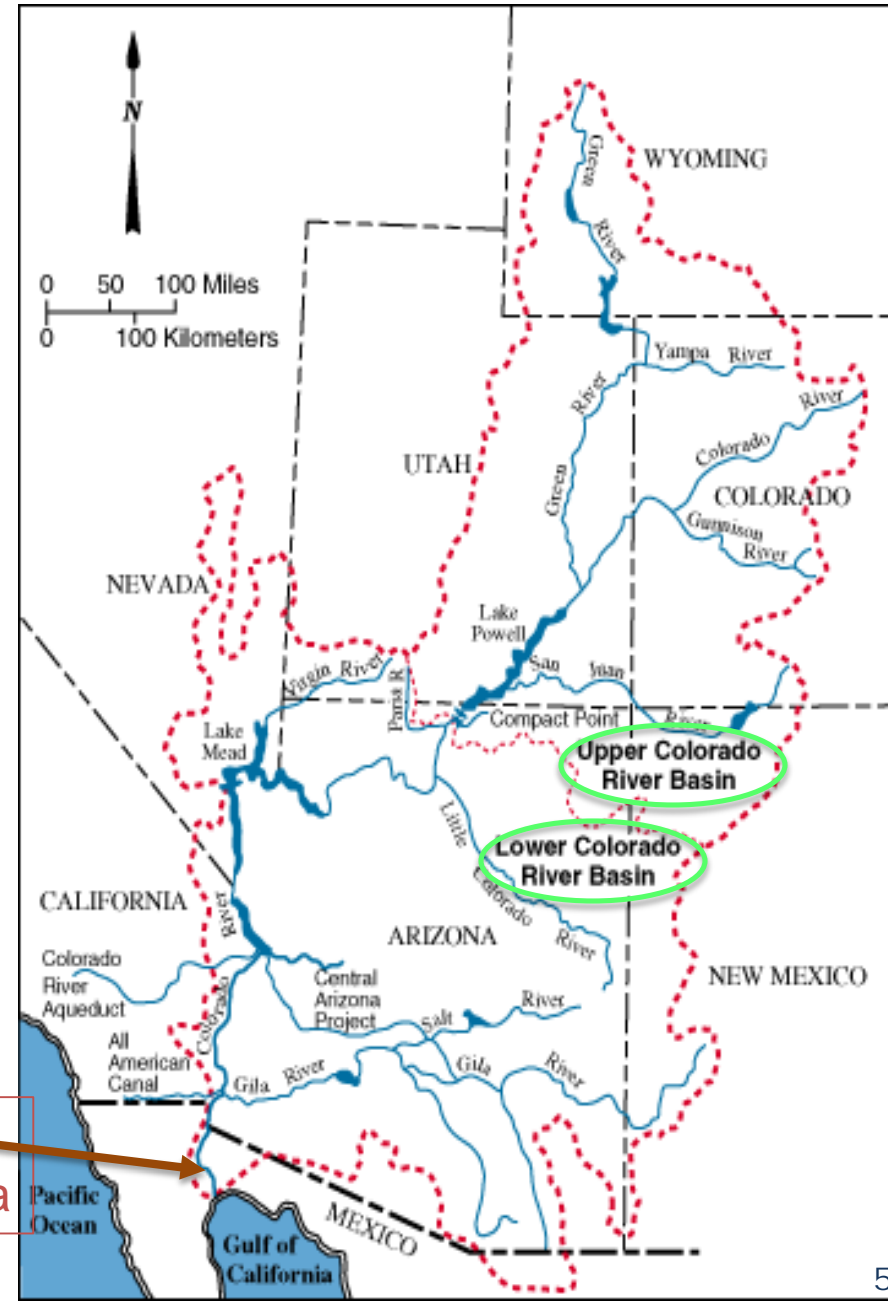
At the University of Arizona, there is a wealth of internationally recognized expertise across hydrology; water sustainability and conservation; water management, policy, law and governance; water quality; technology development; and other water-related research. Over 300 faculty and staff are involved in aspects of water-related research, education and outreach that spans more than 70 departments/units and 50 different topic areas. Research interests, contact information and links to homepages are provided. This directory is your entry into UA water expertise, searchable by name, category or department.

**For a list of expert categories, [click here](#)**

# Colorado River Basin (CRB)



Water Allocations  
Upper Basin 9250 MCM  
Lower Basin 9250 MCM  
Mexico 1,850 MCM  
Evaporation  
Historical flows per  
Tree ring analysis  
~ 18,500 MCM  
=>Structural Deficit





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- Arizona Project WET
- Brown Bag Seminars
- Conferences
- Conserve to Enhance
- Desert Water Harvesting Initiative
- Groundwater, Climate & Stakeholder Engagement-GCASE
- Groundwater Governance & Management
- Middle East Water
- TAAP-Transboundary Aquifer Assessment Program
- Water RAPIDS
- Water Sustainability Program
- WRRRA 104 Grants

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student spotlight feature on Graduate Student...



# Complex Water Management Issues, Challenges, and Solutions and Implementation

- Growth and the need for additional supplies (competition)
- Drought/climate variability
- Water-energy Nexus
- Water quantity assessments
- Water quality
- Desalination
- Use of recycled water for potable and other water needs
- Access to and utilization of renewable supplies
- Transboundary water issues
- The surface water/groundwater interface
- Riparian areas and other environmental considerations
- Water rights
- Conservation programs
- Water storage and recovery (water banking)
- Groundwater replenishment
- Water cost/pricing
- Water Planning

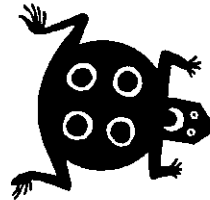
Uncertainty!



**The frog does not drink up the pond in  
which he lives. – *American Indian  
(Lakota) Proverb***



Morelos Dam on the  
Colorado River at the  
US-Mexico Border  
October 2014



Arizona Water Policy  
Class at the Tucson  
SAV-SARP Project  
April 2014

**Thank you!**