



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

WATER RESOURCES RESEARCH CENTER

2016 Highlights

GREATER DEPTH, BROADER PERSPECTIVE FOR A CLEAR WATER FUTURE

We tackle key water policy and management issues, empower informed decision-making, and enrich understanding through engagement, education, and applied research.

2016 HIGHLIGHTS – THE UNIVERSITY OF ARIZONA WATER RESOURCES RESEARCH CENTER

Engagement with **900** diverse partners and collaborators on projects and programs

1,800 print and **1,900** electronic Arizona Water Resource newsletter and Arroyo annual publication recipients

2,200 Weekly Wave E-newsletter recipients

34 publications by WRRRC personnel

99 presentations made by WRRRC personnel

35 External Advisory Committee members

355 presentations, workshops and training sessions conducted by Arizona Project WET

ANNUAL REPORT

Detailed information and metrics can be found on our website:

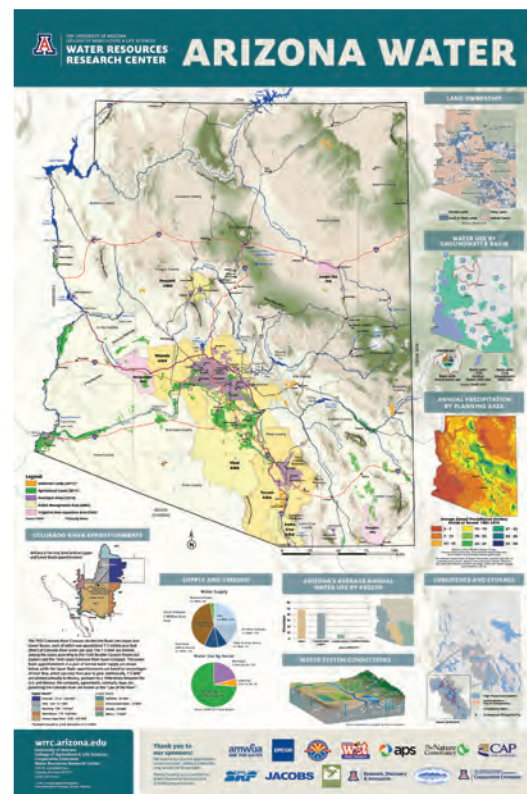
wrrc.arizona.edu/annual-report-2016

The University of Arizona Water Resources Research Center

350 N. Campbell Ave.
Tucson, AZ 85719
(520) 621-9591

Photo: Greg Griffin - Oak Creek Canyon

ARIZONA WATER MAP POSTER



Redesign of the WRRRC water map poster, begun in 2016, was completed in 2017.

Order your map here:

wrrc.arizona.edu/arizona-water-map-form

OUTREACH & ENGAGEMENT

The WRRRC transfers water research results and information to other researchers, water managers, policy makers, and the public. The Center's outreach activities include publications, conferences, lectures, seminars, videos, presentations, and workshops.



DIRECTOR'S ACTIVITIES



50 ENGAGEMENT ACTIVITIES AROUND THE GLOBE
SPANNING FROM ARIZONA TO ISRAEL



26 PUBLICATIONS PUBLISHED AND POSTED MATERIALS AND PAPERS



22.6K ESTIMATED TOTAL REACH THROUGH ENGAGEMENT ACTIVITIES



16 STUDENTS ADVISED IN ARIZONA, NATIONAL, AND GLOBAL WATER POLICY



ENGAGEMENT LOCATIONS



BROWN BAG SEMINARS



490 ATTENDANCE IN PERSON AND VIA ONLINE WEBINARS



27 Speakers including local, national, and international experts



Total attendance expanded by 43%



ANNUAL CONFERENCE



280 PEOPLE REGISTERED FOR THE 2016 CONFERENCE

#AZWATERFUTURE: TECH, TALK, AND TRADEOFFS



28 Speakers and panelists



Summer 2016 AWR Newsletter featured speakers' perspectives

SELECTED PROGRAMS

The WRRC houses programs that focus on research, education, and community outreach and engagement. Programs are directed and coordinated by WRRC staff members and cover a spectrum of topics, including water management, planning and policy, conservation, water harvesting, and water quality.



Water Quality Research Lab

\$4.5 MILLION

ADMINISTERED IN COLLABORATIVE FUNDING



Associate director named to 10 advisory boards focused on antibiotic resistance and water quality



Training tomorrow's researchers: 100% of graduates employed or admitted to graduate programs



Conserve2Enhance

11.5 MILLION

GALLONS CONSERVED BY PARTICIPANTS



\$100,000 donated to 11 community enhancement projects since 2011



Flagstaff C2E program launched in 2016

TRACK YOUR WATER SAVINGS WITH C2E™ conserve2enhance.org



Water RAPIDS
Water Research and Planning
Innovations for Dryland Systems

2100 PEOPLE

ENGAGED IN UNDERSTANDING WATER RESOURCES



40+ outreach activities from community conversations to water budget workshops



Supporting and building partnerships to provide water to Arizona's natural areas with the Sky Island Waters Project



500 TEACHERS

ENGAGED 32,000 STUDENTS THROUGH IMPROVED INSTRUCTIONAL PRACTICES DEVELOPED IN TEACHER ACADEMIES



3.2 million gallons of water per year: projected savings from student-installed devices



34,200 water stewards developed through K-12 education programs



70% = average STEM learning gains resulting from APW teacher workshops



TRANSBOUNDARY AQUIFER ASSESSMENT PROGRAM (TAAP)



A BINATIONAL COLLABORATION

During 2016 the WRRC continued to collaborate on the Transboundary Aquifer Assessment Program (TAAP), which includes study of the transboundary San Pedro and Santa Cruz aquifers. In late 2016, the International Boundary and Water Commission released the Binational Study of the Transboundary San Pedro Aquifer in English and Spanish. Links to this study and other TAAP information can be found at wrrc.arizona.edu/TAAP.

ONLINE TOOLS



Website Update

The WRRC worked with the College of Agriculture and Life Sciences' Communication and Cyber Technologies team to redesign the WRRC website. The site went live in November of 2016 and features a modern new look and major upgrades to the functionality. Take a look!

wrrc.arizona.edu



Desert Landscaping

The Desert Landscaping website emphasizes arid-adapted gardening and helps you imagine and design water-smart landscaping. Search over 600 plants using selection criteria such as seasonality and water use. The "Tips" pages include information on irrigation, water harvesting, problem plants, microclimates, pruning and fertilizing, gardening to attract wildlife, and more.

desertlandscaping.arizona.edu



Water Resources & Climate Assessment Tool (WARCAT)

This web site is designed to provide water managers, stakeholders and others with information that facilitates assessment of hydrologic conditions in the Santa Cruz Active Management Area (SCAMA).

warcat.hrcwater.org/SCAMA/



Beyond the Mirage

Beyond the Mirage is an innovative web-based experience that encourages you to explore Arizona's water supplies, demands, challenges, and opportunities by creating your own mini-documentaries. The Beyond the Mirage professional feature documentary is also available for streaming through Amazon.com.

BeyondTheMirage.org



Conserve2Enhance Water Use Dashboard™

Conserve2Enhance connects voluntary water conservation with community action.

Sign up at conserve2enhance.org to get conservation tips, track water savings, and make your drops count!

conserve2enhance.org



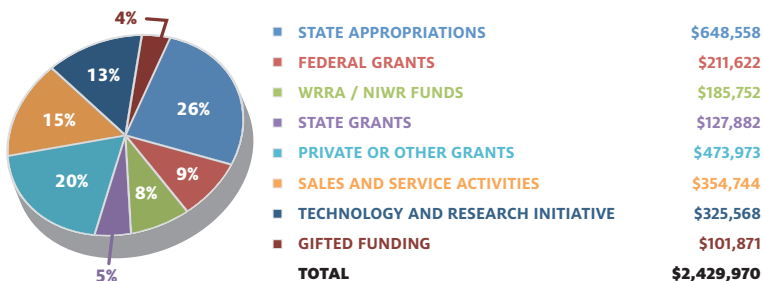
UA Water Network

The UA Water Network showcases the more than 280 faculty and researchers in 48 departments and programs who specialize in topics related to water. The site provides a unified water events calendar, a searchable expertise directory, and a student resources section that includes notification about upcoming opportunities.

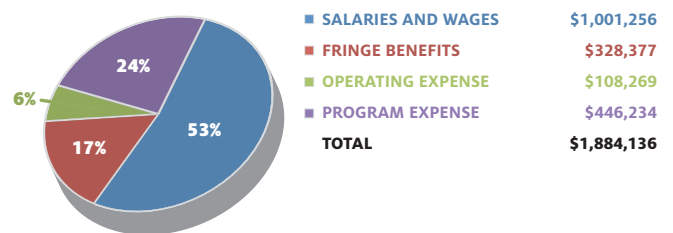
water.arizona.edu

2016 FINANCIAL SUMMARY

OPERATING SUPPORT & REVENUE



OPERATING & PROGRAM EXPENSE



SUBSCRIBE ONLINE TO KEEP UP WITH WATER NEWS AND EVENTS:

Weekly Wave e-News Digest

The Weekly Wave e-News Digest is distributed weekly during the academic year, and contains WRRC news, events, and much more.

Arizona Water Resource Newsletter

The Arizona Water Resource is the WRRC's quarterly newsletter that provides timely and informative coverage of water issues, research, news, and resources.

Arroyo Newsletter

The Arroyo is published each spring and summarizes knowledge on a single water topic of importance to Arizona.

wrrc.arizona.edu/subscribe