



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

WATER RESOURCES RESEARCH CENTER

Photo: WRRRC photo contest winner John Bartholow - Oak Creek Evening Near Sedona (cropped)
See this and other contestant photos: <https://wrrc.arizona.edu/2017-photo-contest-winners>

2017 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.

2017 HIGHLIGHTS – THE UNIVERSITY OF ARIZONA WATER RESOURCES RESEARCH CENTER

Engagement with **950** diverse partners and collaborators on projects and programs

2,200 electronic *Arizona Water Resource* newsletter and *Arroyo* annual publication subscribers

2,300 Weekly Wave e-News Digest subscribers

18 publications by WRRRC personnel

82 presentations made by WRRRC personnel

36 External Advisory Committee members

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

365 Annual Conference registrants

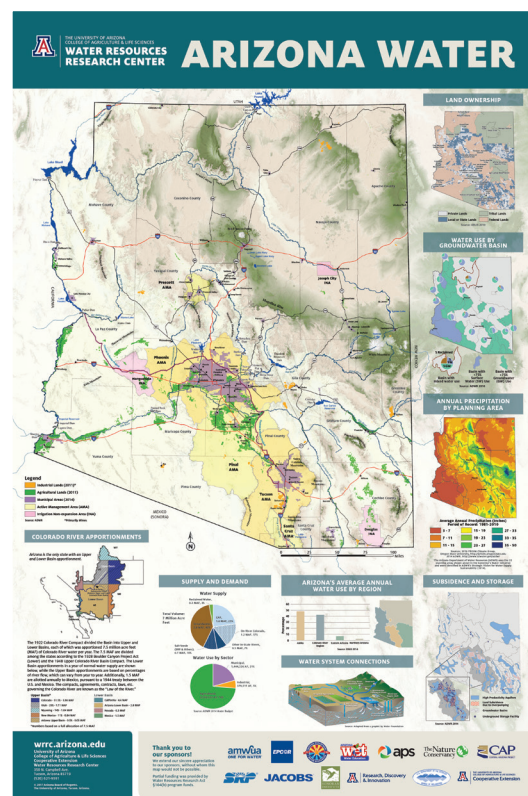
ANNUAL REPORT

Detailed information and metrics can be found on our website:
wrrc.arizona.edu/annual-report-2017

The University of Arizona Water Resources Research Center

A unit of Arizona Cooperative Extension
Member of National Institutes of Water Resources (NIWR)
350 N. Campbell Ave.
Tucson, AZ 85719
(520) 621-9591

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 WRRC 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.



ANNUAL CONFERENCE



365 PEOPLE

REGISTERED FOR THE 2017 CONFERENCE
*IRRIGATED AGRICULTURE IN ARIZONA:
A FRESH PERSPECTIVE*



28 Speakers
and panelists



Spring 2017 AWR Newsletter
recaps key messages from
the conference



BROWN BAG SEMINARS



700 ATTENDANCE

IN PERSON AND VIA ONLINE WEBINARS



17 Speakers
including local,
national, and
international
experts



Total online
attendance
expanded by
35%



STATEWIDE ENGAGEMENT

35 COMMUNITIES REACHED

THROUGH WRRC ACTIVITIES ACROSS ARIZONA



DIRECTOR'S ACTIVITIES



41 ENGAGEMENT ACTIVITIES

SPANNING FROM
ARIZONA TO ISRAEL



11 PUBLICATIONS

PUBLISHED AND POSTED MATERIALS
AND PAPERS



18.3K INDIVIDUALS REACHED

THROUGH ENGAGEMENT
ACTIVITIES (ESTIMATED)



10 STUDENTS ADVISED

IN ARIZONA, NATIONAL, AND
GLOBAL WATER POLICY

SELECTED PROGRAMS

The WRRC houses programs that focus on research, education, and community outreach and engagement. Programs are directed and coordinated by WRRC personnel and cover a spectrum of topics, including water management, planning and policy, groundwater governance, conservation, water harvesting, transboundary cooperation, water for natural areas, and water quality.



700 PEOPLE
ENGAGED IN UNDERSTANDING
WATER RESOURCES



20+ outreach activities from community conversations to water budget workshops



Supporting and building partnerships to provide strategies for all water using sectors in Arizona



430 TEACHERS
ENGAGED 30,300 STUDENTS WITH
IMPROVED INSTRUCTIONAL PRACTICES
DEVELOPED IN TEACHER ACADEMIES



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



56,000 water stewards developed through direct student outreach



79% average STEM learning gain resulting from APW teacher workshops



TRANSBOUNDARY AQUIFER ASSESSMENT PROGRAM (TAAP)



A BINATIONAL COLLABORATION

A research and engagement program that includes studies of the Transboundary San Pedro and Santa Cruz aquifers. In 2017, TAAP partners compiled a draft of the *Binational Study of the Transboundary Santa Cruz Aquifer*, which is undergoing review. Other activities included contributions to regional climate projections, published articles, a stakeholder engagement forum, and seven presentations to disseminate research findings. More information at <https://wrrc.arizona.edu/TAAP>



Water Quality Research Lab

\$2.8 MILLION
IN COLLABORATIVE FUNDING



Lead Research Scientist named to 12 international, national, and local advisory boards focused on antibiotic resistance and water quality



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



14 MILLION
GALLONS CONSERVED BY PARTICIPANTS



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



27,000 gallons average saving per participant

TRACK YOUR WATER SAVINGS ON THE C2E™ DASHBOARD
conserve2enhance.org

ONLINE RESOURCES



Website Update

The WRRC's redesigned website, which was launched in late 2016, features a modern new look and major functionality improvements. In 2017, there was a 23% increase in use with 128,900 page views during the year. Find up-to-date information on all of our programs.

wrrc.arizona.edu



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 jobs and opportunities page, and a get connected page with information about water-related institutions, seminars, newsletters, and on-line tools.

water.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, and microclimates.

desertlandscaping.arizona.edu



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



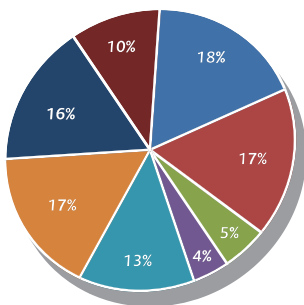
Desert Water Harvesting Initiative

This web site enhances outreach and communication between utilities, practitioners of water harvesting, academics, and interested citizens. It contains the Water Harvesting Assessment Toolbox, which provides guidance for groups to evaluate their water harvesting options.

wrrc.arizona.edu/DWHI

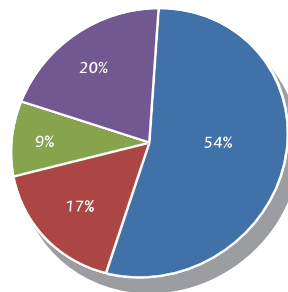
2017 FINANCIAL SUMMARY

Operating & Program Support & Revenue



State Appropriations	\$389,118
Federal Grants	\$363,911
WRRRA / NIWR Funds	\$92,335
State Grants	\$89,100
Private or Other Grants	\$270,012
Sales and Service Activities	\$366,190
Technology and Research Initiative	\$342,450
Gifted Funding	\$209,800
Total	\$2,122,916

Operating & Program Expense



Salaries and Wages	\$1,119,068
Fringe Benefits	\$358,754
Operating Expense	\$195,074
Program Expense	\$400,138
Total	\$2,073,034

Detailed information and metrics can be found on our website: <https://wrrc.arizona.edu/annual-report-2017>

SUBSCRIBE ONLINE TO KEEP UP WITH WATER NEWS AND EVENTS:

Weekly Wave e-News Digest

The Weekly Wave e-News Digest keeps subscribers up-to-date with WRRRC news, events, and much more.

Arizona Water Resource Newsletter

The *Arizona Water Resource* provides timely and informative coverage of water issues, research, news, and resources.

Arroyo Annual Publication

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

wrrc.arizona.edu/subscribe