

Area of Interest/Contribution
(Please check as many as apply)

Roles	Responsibilities – <i>Implementation ideas</i>
<input type="checkbox"/> Project ideas	Articulate a specific monitoring need for a given location. <i>Easy – use your expertise or observations to suggest an idea.</i>
<input type="checkbox"/> Research questions	Help teachers translate project ideas into grade appropriate and achievable research questions.
<input type="checkbox"/> Workshop Training	Help us conduct summer teacher training events and represent your organization.
<input type="checkbox"/> Teacher Advisor	Work with teachers on strategies to promote and support student research. <i>Can largely be done by email – although a short meeting helps you better understand school limitations and needs.</i>
<input type="checkbox"/> Classroom enrichment	Describe your field of expertise and demonstrate standard methods and practices to classes and research teams. <i>Might include Career day activities but should aim to prepare student to collect field or lab data.</i>
<input type="checkbox"/> Fieldtrip leader	Lead a field trip to your favorite riparian/wetland site. <i>Share your knowledge of local water issues and baseline monitoring needs.</i>
<input type="checkbox"/> Student Mentor	Meet with students to guide their progress and offer constructive feedback.
<input type="checkbox"/> Other	

Small Grants

AZ Rivers offers small grants (up to \$250) for K-12 teachers to facilitate student-based research. This modest funding can assist with basic expenses to allow classes to engage in riparian monitoring, such as to help pay for equipment, field trips or substitutes. See web site for application directions.

Water Quality Monitoring Equipment

Schools in Tucson, Phoenix, and Flagstaff can check out water quality monitoring equipment through two sources:

Water in Arizona - Teacher Resources (WATER) kits are available from the UA-SAHRA program (www.sahra.arizona.edu/water/) and include enough supplies to facilitate classroom-wide participation in water education activities.

Healthy Water-Healthy People (HWHP) water testing and macro-invertebrate kits are available for check-out from AZ Project WET (www.cals.arizona.edu/azwater/wet/).

Contact Information

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Funded by:



**AZ Rivers
Needs Mentors**



Our Mission:

to facilitate collaborations between teachers/students and scientists/watershed managers to promote long-term research and monitoring of riparian environments in Arizona.

Teachers & Students

This is great place-based environmental science opportunity for teachers and students, an innovative way to implement science and math outside a traditional classroom environment and improve our understanding of Arizona's precious water resources.

Three day **Workshops** will be held in Tucson, Phoenix and Flagstaff every summer and cover water quality, ecologic monitoring and student inquiry. Travel and implementation stipends are available.

Potential Project Sites

- Rio Salado, Phoenix/Maricopa
Contact: Heather Watson,
heather.watson@phoenix.gov
- Patagonia Reservoir, Nogalas/Santa Cruz,
Contact: Robert Casavant
rcasavant@azstateparks.gov
- Santa Cruz Water Quality, Tumacacori National Monument
Contact: Jeremy Moss, jeremy.moss@nps.gov
- Buck Fire Restoration Project, Gila River, Maricopa County,
Contact: Diana Stuart,
dms@mail.maricopa.gov
- N. Simpson Farm, Marana/Pima, Tucson Audubon Society,
Contact: Kendall Kroesen
kkroesen@tucsonaudubon.org

Two key characteristics of potential project sites are that they must be accessible and related to a stream or wetland. You will want to develop science questions that are of interest for this site and work with someone who can provide some background information and guidance to students or teachers.

Arizona Rivers is looking for teachers, students, citizen scientists, and student organizations that are interested in partnering with volunteer river monitors and local watershed experts to: **collect water quality data, investigate riparian ecology and habitats, monitor stream restoration**

Potential Mentors

We are actively seeking water professionals and others active in their community's water issues to sign up to become an Arizona River "Science Collaborator". We will look at your areas of expertise and interest and try to match you with a student or classroom in your home community. There are many potential roles you might play, ranging from helping us develop worthwhile monitoring projects to supporting a teacher with little prior field experience to working one-on-one with an advanced student on a longer-term project. Please check as many boxes as possible on the accompanying interest form and be assured we will work closely with you to find the level of commitment that works best for both you and your partner.

Please do not wait for us to find you a partner – you may already know of a school or student that you would be particularly interested in working with. Just look on our web site for some background information and contact the school. Later, let us help expand your options through training and other networking.

AZrivers Science Collaborators

Interest Form

Name:
Affiliation:
Contact Email:
Phone:
Address:
State/Zip:
Area of Expertise:
If known please identify a student or class you specifically want to help:

How often can you participate as an AZrivers Science Collaborator?

<input type="checkbox"/>	8 hours monthly
<input type="checkbox"/>	4 hours monthly
<input type="checkbox"/>	Once or twice per semester
<input type="checkbox"/>	Depends on request
<input type="checkbox"/>	Specific dates:
Best Days: S M T W R F S	Best times:

Please return to:
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or fax 520-621-1422