Introduction

Who is this book intended for?
This book is geared for Master Watershed Stewards and anyone who wishes to find a watershed group or organization that utilizes volunteer assistance for environmental restoration and/or outreach projects.

What is the purpose of this book?
This guide is designed as a reference to assist you in finding organizations of interest that utilize volunteers for environmentally related projects.

How is it organized?
The state has been divided into three regions; Northern, Central and Southern. Watershed groups are listed first with other environmentally focused organizations needing volunteer help listed second. At this time, government agencies are not included in this book. A map follows this introduction.

Getting Involved
You are encouraged to volunteer and/or join any of the groups and organizations listed in this guide. It is important to remember that in order for your hours to count as MWS volunteer hours, activities must be in line with the mission and goals of the MWS program. If you are unclear if an activity qualifies, please contact your MWS coordinator for verification.

After you’ve volunteered
Don’t forget to keep track of your time with the new MWS volunteer tracking system. You can access the system directly at: https://cals.arizona.edu/exact/volunteer/ or through the MWS homepage (under the “For Stewards” section).

Updates/Comments/Suggestions?
Contact Meghan Maloney at 520-621-7205 or maloneym@cals.arizona.edu
Mission Statement of the Master Watershed Steward Program

The Master Watershed Steward program educates and trains citizens across the state of Arizona to serve as volunteers in the protection, restoration, monitoring, and conservation of their water and watersheds.

Table of Contents

Maps
- Regional Division of Arizona and Active Watershed Group Locations 3
- Arizona’s Major Watersheds 4
- (includes County overlay) Arizona’s Minor Watersheds 5

Watershed Groups and Organizations
- Northern Arizona 6
- Central Arizona 9
- Southern Arizona 14
- Statewide contacts 19

Other Helpful Information
- MWS Staff contact information 21
- Master Watershed Steward Creed 23
- Volunteer Agreement Contract 24
- Useful water conversions 26

Photo of Oak Creek taken by MWS Summer Photo Contest Winner David Griggs
Regional Division &
Active Watershed Group Locations

Legend
- Active Watershed Group Location
- Northern Region
- Central Region
- Southern Region

- Miles
NORTHERN ARIZONA
Watershed Groups

Name: Little Colorado River Watershed Coordinating Council
Mission: This group is involved in various watershed protection projects with local government and other groups.
Meetings: Quarterly meetings dates/times/locations vary (Holbrook or Winslow).
Contact Info: David Newlin, Project Director or Jim Boles, Chair
P.O. Box 2678, Lakeside, AZ 85929
Phone: (D. Newlin) 928-524-6063 x5; (J. Boles) 928-289-2422
Email: DNewlin@aol.com
Web: www.littlecolorado.net

Name: Northwest Arizona Watershed Council
Mission: Protection and preservation of water and education of the public for three watersheds spanning the western border of Arizona (Grand Canyon, Big Sandy, and Lower Gila watersheds). Council is cross listed in Southern Arizona section also.
Meetings: 3rd Wednesday of the month at 4p.m. Meetings held at Mohave County Public Library
Contact: Elno Roundy or Earl Englehardt
Address: None provided
Phone: (E. Roundy) 928-757-2818; (E. Englehardt) 928-692-1068
Email: imspirit@kingmanaz.net
Web: Not available at this time

Name: Show Low Creek Watershed Enhancement Partnership
Mission: A public/private partnership committed to enhancing and protecting a healthy and diverse watershed through specific projects and implementation of sound watershed resource management, public outreach, and conservation strategies.
Meetings: 1st Tuesday of each month, 2p.m. Meetings held at the Pinetop/Lakeside Town Offices
Contact: Al Crawford or Larry Whipple
Address: SLCWEP, Pinetop/Lakeside Town Offices
1360 N. Neils Hansen Lane
Lakeside, AZ 85929
Phone: (A. Crawford) 928-368-8034; (L. Whipple) 928-537-2223
Email: (A. Crawford) abcrawford1@cox.net; (L. Whipple) whippleranch@wmonline.com
Web: Not available at this time

Name: Silver Creek Advisory Commission
Mission: Protection of the Silver Creek drainage area near Taylor, Arizona.
Meetings: On an as needed basis.
Contact: Ron Solomon or Kerry Ballard
Address: None provided
Phone: (R. Solomon) 928-536-7366; (K. Ballard) 928-536-2539
Email: (R. Solomon) ron@tayloraz.org
Web: Not available at this time

Name: Stoneman Lake Property Owners Association
Mission: To preserve the pristine environment that is Stoneman Lake (40 miles south of Flagstaff) and to foster harmony and cooperation among neighbors to maintain the peace and tranquility so highly valued in our community.
Meetings: Time and place vary.
Contact: Chris Estes, President or Bill McPeters, Vice President
Address: None provided
Phone: (C. Estes) 480-585-5772; (B. McPeters) 602-431-1513
Email: (C. Estes) cklestes@msn.com; (B. McPeters) wedigit@juno.com
Web: Not available at this time
### NORTHERN ARIZONA
#### Watershed Groups & Related Organizations

<table>
<thead>
<tr>
<th>Name:</th>
<th>Mission:</th>
<th>Contact:</th>
<th>Address:</th>
<th>Phone:</th>
<th>Email:</th>
<th>Web:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper Little Colorado River Watershed Partnership</td>
<td>To protect the Little Colorado River watershed above Lyman Lake.</td>
<td>Bill Greenwood</td>
<td>None provided</td>
<td>928-333-4128 (x-226)</td>
<td><a href="mailto:bgreenwood@eagar.com">bgreenwood@eagar.com</a></td>
<td>Not available at this time.</td>
</tr>
<tr>
<td>The Arboretum at Flagstaff</td>
<td>The mission of the Arboretum at Flagstaff is to increase the understanding, appreciation, and conservation of plants and plant communities native to the Colorado Plateau.</td>
<td>None provided</td>
<td>4001 S Woody Mountain Rd</td>
<td>928-774-1442</td>
<td>None provided</td>
<td><a href="http://www.thearb.org/volunteers.htm">http://www.thearb.org/volunteers.htm</a></td>
</tr>
<tr>
<td>Arizona Wilderness Coalition</td>
<td>To protect and restore wilderness lands and waters in Arizona.</td>
<td>For volunteer opportunities in northern Arizona, please contact the regional coordinator of the Grand Canyon Region.</td>
<td>P.O. Box 529</td>
<td>928-638-2304</td>
<td>None provided</td>
<td><a href="http://www.azwild.org">www.azwild.org</a></td>
</tr>
</tbody>
</table>
| The Audubon Society                                                  | To promote the understanding and appreciation of birds and other wildlife and the conservation and restoration of their natural habitats. | Two Northern Arizona locations (Sedona Audubon Society, White Mountain Audubon Society) | (Sedona) P.O. Box 1496, Sedona, AZ 86336  
(White Mountain) P.O. Box 3043, Pinetop, AZ 85935 | 928-214-0415  
928-367-2462 | (Sedona) None provided  
(White Mountain) birds@whitemountainaudubon.org | (Sedona) http://www.nazas.org/Volunteer.htm  
(White Mountain) http://www.whitemountainaudubon.org/ |
NORTHERN ARIZONA
Related Organizations

Name: Grand Canyon Trust
Mission: The vision of the Grand Canyon Trust volunteer program is to create a sustainable relationship between the residents of the Colorado Plateau and the natural environment by building a community of willing and enthusiastic volunteer stewards.
Contact: For volunteer opportunities, please contact the main office.
Address: 2601 N Fort Valley Rd
Flagstaff, AZ  86001
Phone: 928-774-7488
Email: None provided
Web: http://www.grandcanyontrust.org/ or http://www.gcvolunteers.org/

Name: Grand Canyon Wildlands Council
Mission: The mission of the Wildlands Council is to create and apply a dynamic conservation area network that ensures the existence, health, and sustainability of all native species and natural ecosystems in the Grand Canyon ecoregion.
Contact: For volunteer opportunities, please contact the main office.
Address: P.O. Box 1594
Flagstaff, Arizona 86002
Phone: 928-556.9306
Email: bigcat@grandcanyonwildlands.org
Web: http://www.grandcanyonwildlands.org/

Name: Willow Bend Environmental Education Center
Mission: Our mission is to provide environmental education outreach services that build environmental awareness and an ethic of responsible stewardship of our natural and cultural resources.
Contact: For volunteer opportunities, please contact the main office.
Address: 703 E Sawmill Rd
Flagstaff, AZ 86001
Phone: 928-779-1745
Email: None provided
Web: http://www.willowbendcenter.org/

South rim of the Grand Canyon. MWS Summer 2007 Photo Contest entry from April Barci.
### Central Arizona Watershed Groups

<table>
<thead>
<tr>
<th>Name:</th>
<th>Mission:</th>
<th>Meetings:</th>
<th>Contact:</th>
<th>Address:</th>
<th>Phone:</th>
<th>Email:</th>
<th>Web:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citizens Water Advocacy Group</td>
<td>To promote a sustainable water future in the Upper Verde River Basin and Prescott Active Management Area.</td>
<td>Second Saturday of every month at 10 a.m. Meetings held at the Granite Peak Unitarian Universalist Congregation.</td>
<td>Citizens Water Advocacy Group</td>
<td>P.O. Box 13145, Prescott, AZ 86304</td>
<td>928-443-5353</td>
<td><a href="mailto:water@commspeed.net">water@commspeed.net</a></td>
<td>Not available at this time</td>
</tr>
<tr>
<td>Friends of Pinto Creek</td>
<td>This group is dedicated to the preservation of Pinto Creek, (a tributary of the Salt River), Powers Gulch, and Haunted Canyon.</td>
<td>On an as needed basis.</td>
<td>Tom Sonandres</td>
<td>None provided</td>
<td>623-583-6764</td>
<td><a href="mailto:pintocreek@asu.edu">pintocreek@asu.edu</a></td>
<td>Not available at this time</td>
</tr>
<tr>
<td>Gila Watershed Partnership</td>
<td>To conserve natural resources, enhance the environment for all users, maintain or improve the local economy, increase recreational opportunities, increase water quantity, improve water quality, plan and act to avoid and minimize damage from large storms, floods, and other natural disasters within the Gila watershed.</td>
<td>The second Wednesday of every month at 7 p.m. Meetings held in the Graham County General Services Building.</td>
<td>Jan Holder</td>
<td>None provided</td>
<td>None provided</td>
<td><a href="mailto:watershedholder@yahoo.com">watershedholder@yahoo.com</a></td>
<td><a href="http://www.snr.arizona.edu/nemo/index.php?page=gilawatershed">http://www.snr.arizona.edu/nemo/index.php?page=gilawatershed</a></td>
</tr>
<tr>
<td>Hyde Mountain Vista Group</td>
<td>Maintain the diversity, ecological integrity, historic value and undeveloped nature of the public and private lands in and around the Santa Maria and Juniper Mountains, while maintaining the economic viability of the working landscape and the variety of recreational opportunities that are found there. Restoration of Upper Walnut Creek drainages, tributaries to Big Chino Wash and Verde River.</td>
<td>On an as needed basis.</td>
<td>Susan Brook, Administrative Assistant, Hyde Mountain Vista Group</td>
<td>2151 C Resort Way North, Prescott, AZ 86301</td>
<td>928-541-7538</td>
<td><a href="mailto:hydemountainvista@yahoo.com">hydemountainvista@yahoo.com</a></td>
<td>Not available at this time</td>
</tr>
</tbody>
</table>
CENTRAL ARIZONA
Watershed Groups

Name: Oak Creek Canyon Task Force
Mission: Conserve natural resources within the Oak Creek watershed (a sub-watershed of the Verde River).
Meetings: 2nd Thursday or Friday of second month from 9:30 a.m. to 12:00 p.m.
Contact: For volunteer opportunities, please contact the office.
Address: P.O. Box 732
Sedona, AZ 86339
Phone: (Canyon Office) 928-282-3151; (Anthem Office) 623-551-8805
Email: None provided
Web: http://www.oakcreekcanyontaskforce.org/

Name: Prescott Creeks Preservation Association (Prescott Creeks)
Mission: The mission of Prescott Creeks is to protect and celebrate the ecological integrity of the Granite Creek Watershed riparian systems and associated wetlands through conservation, restoration and education.
Meetings: Dates and times vary, call first. Typically meetings are held the 1st Tuesday of month 2-4 p.m.
Contact: Prescott Creeks
Address: PO Box 3004
Prescott, AZ 86302-3004
Phone: 928-445-5669
Email: info@PrescottCreeks.org or mbyrd@prescottcreeks.org
Web: www.PrescottCreeks.org

Name: Tres Rios River Management Group
Mission: To protect the Tres Rios watershed area which is delineated by approximately Southern Ave (north) Baseline Ave (south), 83rd Ave (east), and Agua Fria River (west) in Phoenix.
Meetings: Quarterly, 3rd Wednesday of first month. Meetings held at Phoenix Flood Control District office.
Contact: Debbi Radford, City of Phoenix
Address: None provided
Phone: 602-262-1828
Email: debbi.radford@phoenix.gov
Web: Not available at this time

Name: Upper Agua Fria Watershed Partnership
Mission: To protect water quality and quantity issues in the Agua Fria river area excluding the Prescott AMA and the Phoenix AMA.
Meetings: 1st Tuesday of the month at 10:00 a.m. Meetings are held at Arcosanti.
Contact: Mary Hoadley
Address: None provided
Phone: 928-623-7135
Email: earthhous@aol.com
Web: http://www.snr.arizona.edu/nemo/index.php?page=upperaguafria

Name: Upper Bill Williams Watershed Group
Mission: To manage and protect the water resource, water quality, and water rights in the Bill Williams watershed. Group advocates local control over our water resources and land use.
Meetings: On an as needed basis.
Contact: Sondra Wilkening or Troy Suter
Address: None provided
Phone: (S. Wilkening) 928-925-6434; (T. Suter) 928-442-3885
Email: westwindsinc@yahoo.com
Web: http://billwilliamsriver.org/
**CENTRAL ARIZONA**

**Watershed Groups**

### Upper Eagle Creek Watershed Association

- **Name:** Upper Eagle Creek Watershed Association
- **Mission:** Work together as a community to preserve the ranching heritage and traditions in Upper Eagle Creek (a sub-watershed in the Upper Gila watershed), improve and preserve the watershed and valuable resources; protect, enhance and increase habitat and wildlife and domestic animals; and to find a sustainable method of economic survival for the community.
- **Meetings:** 2nd Friday of each month. Meetings held at the Eagle Creek Schoolhouse
- **Contact:** Chase Caldwell
- **Address:** None provided
- **Phone:** 480-635-1245 or 480-529-2624
- **Email:** Chase.Caldwell@cox.net
- **Web:** Not available at this time.

### Verde Connections, Stewards of Public Lands

- **Name:** Verde Connections, Stewards of Public Lands
- **Mission:** Local citizen volunteers partner with businesses, municipalities, State Trust Lands Dept., and the Prescott and Coconino National Forests to clean illegal dumping off public lands, and to keep our watershed and streams healthy.
- **Meetings:** First Monday of the month, 6:30 p.m. Meetings held at the Cottonwood Public Safety Building. Cleanups generally the second Saturday of the month, 8 a.m. to noon
- **Contact:** Diane Jones
- **Address:** None provided
- **Phone:** 928-634-4112
- **Email:** dianej@sedona.net
- **Web:** www.verdeconnections.com

### Verde Watershed Association

- **Name:** Verde Watershed Association
- **Mission:** The Verde Watershed Association is founded on the principle that wise and sustainable use of water resources is best accomplished by a voluntary association of members of the watershed communities, working together to understand both the watershed and each other. Such understanding will be the basis for resolving conflicts and promoting cooperative use of the water resources.
- **Meetings:** Held every third Wednesday of the month, 10 a.m.
  Meetings held at Sedona City Hall and various Verde Watershed Communities (Sedona, Prescott, Cottonwood, Camp Verde).
- **Contact:** Loyd Barnett, President
- **Address:** None provided
- **Phone:** (L. Barnett) 928-284-0161
- **Email:** (L. Barnett) barnettaz@npqcable.com;
  (Association general email) verdewatershed@yahoo.com
- **Web:** http://vwa.southwest-water.org

### Verde River Citizens Alliance

- **Name:** Verde River Citizens Alliance
- **Mission:** This non-profit corporation is formed for philanthropic, charitable, educational and scientific purpose, with its main objectives being to assure an adequate flow of water in all sections of the Verde River at all times. Preservation and restoration of the riparian habitat that borders the Verde River and its tributaries.
- **Meetings:** Monthly, held every third Saturday at 10 a.m. Meetings held at the Dead Horse Ranch.
- **Contact:** Bill Goss, President
- **Address:** None provided
- **Phone:** (B. Goss) 928-649-2422
- **Email:** (B. Goss) billgoss@cableone.net;
  (Alliance general email) vrca@verdenet.com
- **Web:** www.verderivervrca.org
<table>
<thead>
<tr>
<th>Name: Yavapai County Water Advisory Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mission: The Yavapai County Water Advisory Committee is committed to preserving sustainable water resources for future generations while enhancing the economic viability of our County. We are dedicated to meeting the long-term water resource needs of our customers - the citizens of the Yavapai County region.</td>
</tr>
<tr>
<td>Meetings: Third Wednesday of each month from 2-4p.m. Meeting locations change each month to a different host community. The meeting locations and agendas are posted on the WAC website approximately 1 week in advance of the meeting.</td>
</tr>
<tr>
<td>Contact: John Rasmussen</td>
</tr>
<tr>
<td>Address: None provided</td>
</tr>
<tr>
<td>Phone: None provided</td>
</tr>
<tr>
<td>Email: <a href="mailto:john.rassumussen@co.yavapai.az.us">john.rassumussen@co.yavapai.az.us</a></td>
</tr>
<tr>
<td>Web: <a href="http://www.co.yavapai.az.us/orggroups/wac/wachome.asp">http://www.co.yavapai.az.us/orggroups/wac/wachome.asp</a></td>
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<table>
<thead>
<tr>
<th>Name: Arizona Wilderness Coalition</th>
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</thead>
<tbody>
<tr>
<td>Mission: To protect and restore wilderness lands and waters in Arizona.</td>
</tr>
<tr>
<td>Contact: For volunteer opportunities in central Arizona, please contact the regional coordinator of the Western Deserts region or the Central Mountains region.</td>
</tr>
<tr>
<td>Address: P.O. Box 529 Alpine, AZ 85920</td>
</tr>
<tr>
<td>Phone: (Main office) 928-339-4426; (Western Deserts) 928-717-6076; (Central Mountains) 928-717-6076</td>
</tr>
<tr>
<td>Email: None provided</td>
</tr>
<tr>
<td>Web: <a href="http://www.azwild.org">www.azwild.org</a></td>
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<table>
<thead>
<tr>
<th>Name: City of Phoenix: Rio Salado Habitat Restoration Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact: The Rio Salado project is always looking for volunteers for various activities. If interested phone or email with the following information: name, phone number, and days and times available.</td>
</tr>
<tr>
<td>Address: None provided</td>
</tr>
<tr>
<td>Phone: 602-262-6863 or 602-262-6713 (tty)</td>
</tr>
<tr>
<td>Email: <a href="mailto:rio.salado@phoenix.gov">rio.salado@phoenix.gov</a></td>
</tr>
<tr>
<td>Web: <a href="http://phoenix.gov/RIOSALADO/index.html">http://phoenix.gov/RIOSALADO/index.html</a></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Name: Desert Botanical Garden</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mission: The Garden's commitment to the community is to advance excellence in education, research, exhibition, and conservation of desert plants of the world with emphasis on the Southwestern United States. We will ensure that the Garden is always a compelling attraction that brings to life the many wonders of the desert.</td>
</tr>
<tr>
<td>Contact: For volunteer opportunities, please visit the website or call the main office.</td>
</tr>
<tr>
<td>Address: 1201 N Galvin Pkwy Phoenix, AZ 85008</td>
</tr>
<tr>
<td>Phone: 480-941-1225</td>
</tr>
<tr>
<td>Email: None provided</td>
</tr>
<tr>
<td>Web: <a href="http://www.dbg.org/">http://www.dbg.org/</a></td>
</tr>
</tbody>
</table>
Related Organizations

Name: National Wildlife Refuge (at Bill Williams River)
Mission: Protection and habitat enhancement for wildlife. There are many volunteer opportunities at the refuge, including maintenance work; biological work; photographers; clerical; artists; educators; and someone with a flair for creative writing or design to help design displays for the visitor center.
Contact: For volunteer opportunities, please visit the website or call the main office.
Address: 60911 Highway 95
Parker, Arizona 85344
Phone: 928-667-4144
Email: None provided
Web: http://www.fws.gov/southwest/refuges/arizona/billwill.html

Name: The Audubon Society (Desert Rivers, Maricopa, and Sonoran)
Mission: To promote the understanding and appreciation of birds and other wildlife and the conservation and restoration of their natural habitats.
Contact: For volunteer opportunities, please visit the website or call the local office.
Address: (Desert Rivers) 1121 N Terrace Road Chandler, AZ 85266
(Maricopa) P.O. Box 15451 Phoenix, AZ 85060
(Sonoran) P.O. Box 8068 Glendale, AZ 85312
Phone: (Desert Rivers) 602-388-4072; (Maricopa) 480-829-8209; (Sonoran) not provided
Email: Not provided
Web: (Desert Rivers) http://friendsofaudubonarizona.org/
(Maricopa) http://www.maricopaaudubon.org/volunteer.htm
(Sonoran) http://www.sonoranaudubon.org/VolunteerOpportunities.html

Name: Make a Difference (graffiti removal)
Mission: Make A Difference is a 501 c3 non-profit organization that mobilizes volunteers, develops and manages innovative programs and cultivates service leaders to create strong and vibrant communities.
Contact: For volunteer opportunities removing graffiti, please contact main office.
Address: 5151 N 19th Avenue, Suite 200
Phoenix, AZ 85015
Phone: 602-973-2212
Email: None provided
Web: http://www.makeadifference.org/

Name: The Nature Conservancy (TNC) – the Phoenix Conservation Center
Mission: The mission of The Nature Conservancy is to preserve plants, animals and natural communities that represent the diversity of life on Earth by protecting the lands and waters they need to survive.
Contact: For volunteer opportunities, please visit the website or phone the local office.
Address: 7500 N Dreamy Draw Drive #145
Phoenix, AZ 85020
Phone: 602-712-0048
Email: None provided
Web: http://www.nature.org/wherewework/northamerica/states/arizona/volunteer/
SOUTHERN ARIZONA
Watershed Groups

Name: Altar Valley Conservation Alliance
Mission: The Altar Valley Conservation Alliance (AVCA) works on habitat restoration and conservation in the Altar Valley, including preservation of family ranching against development pressures, erosion control along the Altar Wash, the return of natural fires and prescribed burns, and protection of native species, including six that are threatened or endangered. Altar Valley is located in the Sonoran Desert in southern Arizona, roughly 30 miles southwest of Tucson.
Meetings: On-going
Contact: Pat King
Address: None provided
Phone: 520-822-1065
Email: anvilranch@aol.com
Web: Not available at this time

Name: The Butterfield Ranch Group
Mission: The group was formed by residents of the Butterfield Ranches off Hwy. 186 in the foothills of the Dos Cabezas Mountains in the South East corner of Cochise county. Group focuses on erosion control.
Meetings: On an as needed basis
Contact: Bart Hiatt
Address: None provided
Phone: None provided
Email: bart@bartswindow.com
Web: http://www.butterfieldranchgroup.org/

Name: Campomecho-Sacaton Watershed Group
Mission: To implement conservation practices that will improve watershed health, improve water quality, and reduce downstream flood damages within the Wilcox Playa area. Practices are specifically aimed at reducing soil erosion and water runoff, increasing ground cover, and improving wildlife habitat to reduce negative economic impacts.
Meetings: Quarterly Meetings on 3rd Tuesday of month. Meetings held at USDA/NRCS Conference Room in Wilcox.
Contact: Donna Matthews or Dan Skinner
Address: None provided
Phone: (D. Matthews) 520-384-2229, ext 122
Email: (D. Matthews) donna.matthews@az.usda.gov
Email: (D. Skinner) d.skinner@goldtechind.com
Web: Not available at this time

Name: Community Watershed Alliance (Middle San Pedro)
Mission: This grass roots group works to effect changes that will benefit the water quantity and quality in the San Pedro watershed between the Narrows near Charleston, Arizona, and its confluence with the Gila River at Winkelman, Arizona.
Meetings: 4th Tuesday of the month at 6:30p.m. Meetings held at the Benson City Library Annex.
Contact: Mary McCool or Al Turk
Address: None provided
Phone: (M. McCool) 520-798-0229, (A. Turk) 520-586-7086
Email: watergroup@aol.com
Web: http://www.cwatershedalliance.com/
Name: **Friends of the Santa Cruz River**
Mission: FOSCR's mission has been to ensure a continued flow of the river's surface waters, promote the highest river water quality achievable, and to protect and restore the riparian ecosystem and diversity of life supported by the river's waters. Focus area includes the entire Santa Cruz River; however, the group generally focuses on the stretch from the international border to the Santa Cruz County - Pima County boundary.
Meetings: 3rd Thursday of the month. Meetings held at various locations in Tubac, AZ
Contact: Ann Phillips, President
Address: None provided
Phone: 520-206-9900
Email: admin@friendsofsantacruzriver.org
Web: www.friendsofsantacruzriver.org

Name: **Friends of Madera Canyon**
Mission: Within the Nogales Ranger District of Coronado National Forest, the goals and objectives of FOMC are to: heighten public interest in conservation; assist the Forest Service and its operations; assist in data gathering and public feedback; and generally assist the Forest Service in its effort to provide rewarding recreational opportunities for all visitors.
Meetings: Dates and time vary.
Contact: Friends of Madera Canyon
Address: P.O. Box 1203
Green Valley, AZ 85622-1203
Phone: None provided
Email: info@friendsofmaderacanyon.org
Web: http://www.friendsofmaderacanyon.org

Name: **Malpai Borderlands Group**
Mission: Our goal is to restore and maintain the natural processes that create and protect a healthy, unfragmented landscape to support a diverse, flourishing community of human, plant and animal life in our borderlands region. The Malpai Borderlands area includes the San Bernardino Valley, the Peloncillo Mountains, the Animas Valley and the Animas Mountains.
Meetings: Times and place vary.
Contact: Malpai Borderlands Group
Address: 6226 Geronimo Trail Road, P.O. Drawer 3536
Douglas, AZ 85608
Phone: None provided
Email: mbg@vtc.net
Web: http://www.malpaiborderlandsgroup.org/

Name: **Northwest Arizona Watershed Council**
Mission: Protection and preservation of water and education of the public for the Grand Canyon, Big Sandy, and Lower Gila watershed. Group is cross-listed in Northern Arizona section also.
Meetings: 3rd Wednesday of the month at 4p.m. Meetings held at Mohave County Public Library
Contact: Eino Roundy or Earl Englehardt
Address: None provided
Phone: (E. Roundy) 928-757-2818; (E. Englehardt) 928-692-1068
Email: imspirit@kingmansaz.net
Web: Not available at this time

Morning after the fire, Eagle Creek. MWS Summer 2007 Photo Contest entry by Chase Caldwell.
## SOUTHERN ARIZONA

### Watershed Groups & Related Organizations

<table>
<thead>
<tr>
<th>Name:</th>
<th>Pima Association of Governments: Watershed Planning Subcommittee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mission:</td>
<td>Subcommittee provides a forum for exchanging info among stakeholders, conducting technical review of proposals/plans, and advising decision makers on matters affecting Santa Cruz River watershed. The subcommittee coordinates with PAGs Stormwater Management Working Group and reports to a broader Environmental Planning Advisory Committee. Focus on Pima County.</td>
</tr>
<tr>
<td>Meetings:</td>
<td>On an as needed basis</td>
</tr>
<tr>
<td>Contact:</td>
<td>PAG</td>
</tr>
<tr>
<td>Address:</td>
<td>None provided</td>
</tr>
<tr>
<td>Phone:</td>
<td>520-792-1093</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:wq@pagnet.org">wq@pagnet.org</a></td>
</tr>
<tr>
<td>Web:</td>
<td><a href="http://www.pagnet.org/WQ/participation.htm">http://www.pagnet.org/WQ/participation.htm</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name:</th>
<th>Upper San Pedro Partnership</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mission:</td>
<td>Purpose of the partnership is to coordinate and cooperate in the identification, prioritization and implementation of comprehensive policies and projects to assist in meeting water needs in the Sierra Vista Sub-watershed of the Upper San Pedro River Basin.</td>
</tr>
<tr>
<td>Meetings:</td>
<td>2nd Wednesday of the month at 10:00a.m. Meetings held at the Sierra Vista Public Library.</td>
</tr>
<tr>
<td>Contact:</td>
<td>Carol Sanger or Bob Strain</td>
</tr>
<tr>
<td>Address:</td>
<td>None provided</td>
</tr>
<tr>
<td>Phone:</td>
<td>520-459-4763 or 520-452-7087</td>
</tr>
<tr>
<td>Email:</td>
<td>(C. Sanger) <a href="mailto:carolsang6@cox.net">carolsang6@cox.net</a></td>
</tr>
<tr>
<td>Web:</td>
<td><a href="http://www.usppartnership.com/">http://www.usppartnership.com/</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name:</th>
<th>Arizona Sonoran Desert Museum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mission:</td>
<td>The mission of the Arizona-Sonora Desert Museum is to inspire people to live in harmony with the natural world by fostering love, appreciation, and understanding of the Sonoran Desert.</td>
</tr>
<tr>
<td>Contact:</td>
<td>For volunteer opportunities, please visit website and/or call the main office.</td>
</tr>
<tr>
<td>Address:</td>
<td>2021 N Kinney Rd</td>
</tr>
<tr>
<td></td>
<td>Tucson, AZ 85743</td>
</tr>
<tr>
<td>Phone:</td>
<td>520-883-2702</td>
</tr>
<tr>
<td>Email:</td>
<td>None provided</td>
</tr>
<tr>
<td>Web:</td>
<td><a href="http://www.desertmuseum.org/">http://www.desertmuseum.org/</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name:</th>
<th>Arizona Wilderness Coalition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mission:</td>
<td>To protect and restore wilderness lands and waters in Arizona.</td>
</tr>
<tr>
<td>Contact:</td>
<td>For volunteer opportunities in central Arizona, please contact the regional coordinator of the Sky Islands region or the Central Mountains region.</td>
</tr>
<tr>
<td>Address:</td>
<td>P.O. Box 529</td>
</tr>
<tr>
<td></td>
<td>Alpine, AZ 85920</td>
</tr>
<tr>
<td>Phone:</td>
<td>(Main office) 928-339-4426; (Sky Islands) 520-624-7080; (Central Mountains) 928-717-6076</td>
</tr>
<tr>
<td>Email:</td>
<td>None provided.</td>
</tr>
<tr>
<td>Web:</td>
<td><a href="http://www.azwild.org">www.azwild.org</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name:</th>
<th>Audubon Society - Tucson Audubon Society</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mission:</td>
<td>To promote the understanding and appreciation of birds and other wildlife and the conservation and restoration of their natural habitats.</td>
</tr>
<tr>
<td>Contact:</td>
<td>For volunteer opportunities, please visit website and/or call the local office.</td>
</tr>
<tr>
<td>Address:</td>
<td>300 East University Blvd. #120</td>
</tr>
<tr>
<td></td>
<td>Tucson, AZ 85705</td>
</tr>
<tr>
<td>Phone:</td>
<td>520-629-0510</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:tucsonaudubonso1@qwest.net">tucsonaudubonso1@qwest.net</a>; (Santa Cruz Habitat Project) <a href="mailto:kkroesen@tucsonaudubon.org">kkroesen@tucsonaudubon.org</a></td>
</tr>
<tr>
<td>Web:</td>
<td><a href="http://www.tucsonaudubon.org/education/banding.htm">http://www.tucsonaudubon.org/education/banding.htm</a></td>
</tr>
</tbody>
</table>
**SOUTHERN ARIZONA**

**Related Organizations**

**The Nature Conservancy – Southern Arizona**

**Mission:** The mission of The Nature Conservancy is to preserve plants, animals, and natural communities that represent the diversity of life on Earth by protecting the lands and waters they need to survive.

**Contact:** The Nature Conservancy has many projects and opportunities in Southern Arizona, including Muleshoe Ranch, Patagonia-Sonoita Creek Preserve, and Ramsey Canyon. For specific volunteer opportunities, please visit the website and/or phone the local office.

**Address:** 1510 E. Ft. Lowell Road  
Tucson, AZ 85719

**Phone:**  
(Southern AZ office) 520-547-3437;  
(Muleshoe Ranch) 520-507-5229;  
(Patagonia-Sonoita) 520-378-4952;  
(Ramsey Canyon) 520-378-2785

**Email:**  
(Southern AZ office) dboone@tnc.org;  
(Muleshoe Ranch) muleshoe@tnc.org  
(Patagonia-Sonoita) mkilleen@tnc.org;  
(Ramsey Canyon) bgebow@tnc.org

**Web:**  
(Southern AZ office):  [http://www.nature.org/wherewework/northamerica/states/arizona/volunteer/art6343.html](http://www.nature.org/wherewework/northamerica/states/arizona/volunteer/art6343.html)  
(Muleshoe Ranch):  [http://www.nature.org/wherewework/northamerica/states/arizona/volunteer/art6342.html](http://www.nature.org/wherewework/northamerica/states/arizona/volunteer/art6342.html)  
(Patagonia-Sonoita):  [http://www.nature.org/wherewework/northamerica/states/arizona/volunteer/art8844.html](http://www.nature.org/wherewework/northamerica/states/arizona/volunteer/art8844.html)  
(Ramsey Canyon):  [http://www.nature.org/wherewework/northamerica/states/arizona/volunteer/art6341.html](http://www.nature.org/wherewework/northamerica/states/arizona/volunteer/art6341.html)

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**The Riparian Institute**

**Mission:** To promote awareness and appreciation of Arizona’s ecology and natural history, particularly desert and riparian environments, through education and recreation programs for a diversity of visitors, as well as research and development of strategies to reserve and protect these unique environment.

**Contact:** For volunteer opportunities, please visit website and/or call the main office.

**Address:** 50 E Civic Center Dr  
Gilbert, Arizona 85296

**Phone:** 480-797-2019

**Email:** sclaves@ci.gilbert.az.us

**Web:**  [http://www.riparianinstitute.org/default.cfm](http://www.riparianinstitute.org/default.cfm)

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**Sky Island Alliance**

**Mission:** Sky Island Alliance is a grassroots organization dedicated to the protection and restoration of the rich natural heritage of native species and habitats in the Sky Island region of the southwestern United States and northwestern Mexico. We work with volunteers, scientists, land owners, public officials, and government agencies to establish protected areas, restore healthy landscapes, and promote public appreciation of the region’s unique biological diversity.

**Contact:** For volunteer opportunities, please visit website and/or call the main office.

**Address:** 738 N. 5th Ave, Suite 201  
Tucson, AZ 85705

**Phone:** 520-624-7080

**Email:** info@skyislandalliance.org

**Web:**  [www.skyislandalliance.org](http://www.skyislandalliance.org)

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**Sonoran Desert Weedwackers**

**Mission:** Remove invasive grasses from Tucson Mountain Park

**Meetings:** Every third Saturday. Meeting Times for Sonoran Desert Weedwackers vary depending on season. 8 a.m. January-March, November-December, 7 a.m. April-May, September-October, 6 a.m. June-August.

**Contact:** Marilyn Hanson

**Address:** None provided

**Phone:** 520-579-6525

**Email:** mfhanson@comcast.net

**Web:** Not available at this time
SOUTHERN ARIZONA
Related Organizations

Name: Tucson Botanical Gardens
Mission: Tucson Botanical Gardens promotes responsible and appropriate use of plants and water in a desert environment through education and demonstration and provides a place of beauty and tranquility for Tucson residents and visitors.
Contact: For volunteer opportunities, please visit website and/or call the office.
Address: 2150 North Alvernon Way
Tucson, Arizona 85712
Phone: 520-326-9686
Email: info@tucsonbotanical.org
Web: http://www.tucsonbotanical.org/volunteer.html

Name: Tucson Clean & Beautiful
Mission: Tucson Clean & Beautiful, a nonprofit organization, conducts environmental volunteer programs in waste reduction and recycling, land stewardship, urban forestry, and beautification. Trees for Tucson is a program of Tucson Clean & Beautiful.
Contact: For volunteer opportunities, please visit website and/or call the office.
Address: P.O. Box 27210
Tucson, AZ 85726
Phone: 520-791-3109
Email: tcb@tucsonaz.gov
Web: http://www.tucsonaz.gov/tcb/tcbuevnt.htm

Name: Volunteer Center of Southern Arizona
Mission: The Volunteer Center of Southern Arizona, founded in 1965, is a private nonprofit organization dedicated to strengthening communities through effective volunteerism.
Contact: For volunteer opportunities, please visit website and/or call the office.
Address: None provided
Phone: 520-881-3300
Email: volunteersolutions@volunteersoaz.org
Web: http://www.volunteersolutions.org/vctucson/volunteer/

Suggestions...Additions?
We are looking to add more to this guide. If you have additional organizations or information that you feel should be added to this guide, please let us know.
Contact Meghan at 520-621-7205 or maloneym@cals.arizona.edu

Photo by Jim Oravetz. MWS Winter 2007 Photo Contest entry.
STATEWIDE CONTACTS

Name: Arizona Coalition of Resource Conservation & Development Districts
Contact: Statewide website that will redirect you to the RC&D districts in your area.
Phone: Refer to State website
Web: http://www.azcoalition.org/index.htm

Name: Arizona Department of Game & Fish
Contact: Maintains a wide variety of volunteer opportunities all over the state.
Phone: 602-789-3680
Email: volunteer@azgfd.gov
Web: http://www.azgfd.gov/inside_azgfd/volunteer.shtml

Name: Arizona Wilderness Coalition
Contact: See below
Address: P.O. Box 529
        Alpine, AZ  85920
Phone: 928-339-4426
Email: azwild@azwild.org
Web: http://www.azwild.org/regions/

For volunteer opportunities in Central Arizona, contact the regional coordinator:
- Western Deserts Region  928-717-6076
- Grand Canyon Region  928-638-2304

For volunteer opportunities in Northern Arizona, please contact the regional coordinator:
- Sky Island Region  520-624-7080
- Central Mountains Region  928-717-6076

Name: Audubon Arizona
Contact: Refer to website
Address: 4250 E Camelback Rd Ste K310
        Phoenix, AZ  85018
Phone: 602-468-6470
Email: None provided
Web: http://az.audubon.org/

Name: Bureau of Land Management, Arizona State Office
Contact: Refer to website
Address: One North Central Avenue, Suite 800
        Phoenix, AZ 85004
Phone: (602) 417-9200
Email: None provided
Web: http://www.blm.gov/az/volunteer/volindex.htm

Photo by Steve Campbell. Taken November 12, 2007 just above the confluence of Seven Mile and Silver Creek. MWS Winter 2007 Photo Contest entry.
### STATEWIDE CONTACTS

<table>
<thead>
<tr>
<th>Name:</th>
<th>National Park Service – Volunteers in Parks Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web:</td>
<td><a href="http://www.nps.gov/volunteer/">http://www.nps.gov/volunteer/</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name:</th>
<th>Natural Resources Conservation Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact:</td>
<td>Volunteers have to go through a short application process, contact local service center for further information.</td>
</tr>
</tbody>
</table>
| Web: | Local service center website: [http://offices.sc.egov.usda.gov/locator/app](http://offices.sc.egov.usda.gov/locator/app)  

<table>
<thead>
<tr>
<th>Name:</th>
<th>Volunteers for Outdoor Arizona</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact:</td>
<td>Michael Baker</td>
</tr>
<tr>
<td>Address:</td>
<td>2140 E Fifth Street, Suite 8 Tempe, AZ 85281</td>
</tr>
<tr>
<td>Phone:</td>
<td>480-966-2689</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:voaz@voaz.org">voaz@voaz.org</a></td>
</tr>
<tr>
<td>Web:</td>
<td><a href="http://www.voaz.org">http://www.voaz.org</a></td>
</tr>
</tbody>
</table>

This picture is a reflection of a stormy day in Walnut Creek in Young, Arizona (Salt River watershed). Photo taken by Megan Powers. Entry in Fall 2007 MWS photo contest.
# Master Watershed Stewards

## Staff Coordinators

<table>
<thead>
<tr>
<th>Geographic Area (Major Watersheds)</th>
<th>Counties</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Northwest Arizona</strong>&lt;br&gt;(Lower Colorado and Bill Williams Watersheds)</td>
<td>Mohave County</td>
<td>Aline Parker&lt;br&gt;Instructional Specialist&lt;br&gt;Mohave County Cooperative Extension&lt;br&gt;(928) 753-3788&lt;br&gt;<a href="mailto:alinep@cals.arizona.edu">alinep@cals.arizona.edu</a></td>
</tr>
<tr>
<td><strong>North-Central Arizona</strong>&lt;br&gt;(Verde, Agua Fria and Bill Williams Watersheds)</td>
<td>Yavapai County</td>
<td>Jeff Schalau&lt;br&gt;Director&lt;br&gt;Yavapai County Cooperative Extension&lt;br&gt;(928) 445-6590&lt;br&gt;<a href="mailto:jschalau@cals.arizona.edu">jschalau@cals.arizona.edu</a></td>
</tr>
<tr>
<td><strong>Northeast Arizona</strong>&lt;br&gt;(Little Colorado, Salt and San Juan Watersheds)</td>
<td>Apache &amp; Navajo counties</td>
<td>Mike Hauser&lt;br&gt;Associate Agent&lt;br&gt;Apache County Cooperative Extension&lt;br&gt;(928) 337-2267&lt;br&gt;<a href="mailto:mhauser@ag.arizona.edu">mhauser@ag.arizona.edu</a></td>
</tr>
<tr>
<td><strong>Northern Arizona</strong>&lt;br&gt;(Lower Colorado, Little Colorado and Verde Watersheds)</td>
<td>Coconino County</td>
<td>Cynthia Warzecha&lt;br&gt;Area Assistant Agent&lt;br&gt;Coconino County Cooperative Extension&lt;br&gt;(928) 774-1868 x 25&lt;br&gt;<a href="mailto:warzecha@cals.arizona.edu">warzecha@cals.arizona.edu</a></td>
</tr>
<tr>
<td><strong>Central Arizona</strong>&lt;br&gt;(Middle Gila, Salt and Verde Watersheds)</td>
<td>Maricopa County</td>
<td>Nancy Crocker&lt;br&gt;Senior Program Coordinator&lt;br&gt;Maricopa County Cooperative Extension&lt;br&gt;(602) 470-8086 x335&lt;br&gt;<a href="mailto:ncrocker@cals.arizona.edu">ncrocker@cals.arizona.edu</a></td>
</tr>
<tr>
<td><strong>South-Central Arizona</strong>&lt;br&gt;(Santa Cruz, Middle &amp; Lower Gila, Salt and Verde Watersheds)</td>
<td>Maricopa Pima, Pinal, &amp; Santa Cruz Counties</td>
<td>Candice Rupprecht&lt;br&gt;Program Coordinator&lt;br&gt;Arizona Cooperative Extension&lt;br&gt;(520) 621-1268&lt;br&gt;<a href="mailto:candicer@cals.arizona.edu">candicer@cals.arizona.edu</a></td>
</tr>
</tbody>
</table>
# Master Watershed Stewards
## Staff Coordinators

<table>
<thead>
<tr>
<th>Geographic Area (Major Watersheds)</th>
<th>Counties</th>
<th>Contact</th>
</tr>
</thead>
</table>
| Southeast Arizona (Upper Gila and San Pedro Watersheds & Wilcox Playa) | Cochise, Graham & Greenlee counties | Kim McReynolds  
Area Agent  
Cochise County Cooperative Extension  
(520) 384-3594  
kimm@cals.arizona.edu |
| East-Central Arizona (Salt and Upper Gila Watersheds) | Gila County | Chris Jones  
Associate Agent  
Gila County Cooperative Extension  
(928) 425-7179 x8586  
ckjones@cals.arizona.edu |

Photo by Franklin Lane. Taken January 2005 on Mt Bigelow, Santa Catalina range. MWS Winter 2007 Photo Contest entry.
MASTER WATERSHED STEWARD CREED

The Master Watershed Steward program educates and trains citizens across the state of Arizona to serve as volunteers in the protection, restoration, monitoring, and conservation of their water and watersheds. As a Master Watershed Steward, I will work to uphold the MWS mission because:

I BELIEVE that learning is a lifelong process and that my success as a volunteer is proportional to the time and effort I spend in learning about Arizona’s watersheds and sharing their beauty and elegance with others.

I BELIEVE in the potential of the Master Watershed Steward Program (MWS) to enrich the lives of people of all backgrounds.

I BELIEVE Master Watershed Stewards should present research-based information without bias and with courteous tolerance toward the views of others.

I BELIEVE in the right of people to make their own plans and arrive at their own decisions on natural resource issues.

Because I BELIEVE these things, I am training to become a Master Watershed Steward. As a volunteer working with the MWS Program, I commit myself to the collection of accurate, objective environmental resource information. I commit to monitoring my sample sites, using procedures and timing that have been specified to me. I will conduct my environmental monitoring in a safe way that will protect myself and those people I am working with. I also agree that I will obey all appropriate state and federal laws, I will not trespass on private property to collect any type of data. I agree that I will only monitor at my approved site, on my approved date and time only. I agree I will always monitor with at least one other person, never alone, and I will inform the county agent or program coordinator of our plan prior to the activity and inform them when we have finished our activity.

I will not use the title of Master Watershed Steward (MWS) as a part of any effort to promote legislative or regulatory measures. I will not use the title of MWS to bolster my credibility if I advocate ideas not based on scientific research. If I do so, I understand that my status as a Master Watershed Steward will be revoked.

____________________________________________________________________
Printed Name of Volunteer

____________________________________________________________________________________
Signature of Volunteer          Date

This document requires signature from each volunteer participating in the MWS program. It is kept on file at the main office in Tucson. If you have not signed this document or would like a copy for your records please contact Cooperative Extension administration at 520-621-7205. Thank you.
VOLUNTEER AGREEMENT

I am volunteering solely for personal purposes or benefit without promise or expectation of compensation, benefits or future employment from the University beyond any specified reimbursements agreements.

I agree to familiarize myself with, and abide by, the University of Arizona’s rules and policies regarding conduct, confidentiality, safety and welfare. I understand that I may be subject to the same pre-employment screening and background checks as paid employees performing similar duties.

If my duties include driving on University business, I understand that I must possess a valid driver’s license and that I will be subject to a Department of Motor Vehicle driver’s license background check.

I understand the University provides limited accidental liability coverage to volunteers while participating in this sanctioned Cooperative Extension event/activity, but that no other employee university or state-sponsored medical, retirement or insurance plans apply to this association.

I fully recognize that there are dangers and risks to which I may be exposed by participating in the Program. I accept full responsibility for any injuries or illness that I may sustain in the course of the Program activities. I understand that the University of Arizona and its governing board, officers, employees, and agents (collectively the “University”) do not require me to participate in the Program, but I want to do so, despite the possible dangers and risks inherent with this activity.

I acknowledge that such risks include, but are not limited to: those associated with water-sampling, water-related activities, other environmental monitoring, restoration-related activities, environmental clean-ups, public education-related activities, construction-related activities, hiking, transportation to and from the location of activities, equipment usage and handling, adverse weather conditions, other natural conditions, and exposure to the outdoor environment and the like.

I acknowledge that the agencies, businesses, communities, schools, or other organizations working with the MWS program shall not be responsible for any loss or claims to myself or my property, and shall in no event be construed to have assumed any duty to me or my property by virtue of my participation in the MWS program.

I will comply with the University’s rules, standards and instructions for affiliate behavior, as well as for each facility’s standards of conduct. I waive and release all claims against the University that arise at a time when I am not under the direct supervision of the University or that are caused by my failure to remain under such supervision or to comply with such rules, standards, and instructions.

Continued on the next page....
I agree that the University has the right to enforce the standards of conduct described above, in its sole judgment, and that it will impose sanctions, up to and including expulsion from the Program or from the University, for violating these standards or for any behavior detrimental to or incompatible with the interests, harmony, and welfare of the University, the Program, a facility or other student participants. The University has the right to make changes in the format and administration of the Program. I understand that the University has no control over the operations or premises of a facility or field site.

As a volunteer working with the MWS program, I commit myself to the collection of accurate, objective environmental resource information. I commit to monitoring my sample sites, using procedures and timing that have been specified to me. I will conduct all field work in a safe way that will protect me and those people I am working with. I also agree that I will obey all appropriate state and federal laws; I will not trespass on private property to collect any type of data. I agree that I will only monitor at my approved site, on my approved date and time only.

To ensure safety, I agree that I will always do field work with at least one other person, never alone, and I will inform the county agent or program coordinator of our plan prior to the activity and inform them when we have finished our activity. I will follow all safety procedures and use my best judgment in assessing facilities and situations. If an emergency or accident occurs, I will first contact the appropriate authorities and seek medical attention if needed, then I will contact the county agent or program coordinator to inform them of the situation.

Finally, I understand that the University or I may end my volunteer services with the University at any time.

This document requires signature from each volunteer participating in the MWS program. It is kept on file at the main office in Tucson. If you would like a copy for your records, please contact Cooperative Extension administration at (520) 621-7205.
Useful Water Conversions

WHAT IS AN ACRE FOOT OF WATER?
An acre-foot (af) of water covers roughly a football field one foot deep in water. Generally, an acre-foot of water supplies a family of five for one year.

\[ 1 \text{ acre-foot (af)} = 43,560 \text{ cubic feet} = 325,851 \text{ gallons} \]

For example, the Colorado River Compact divides 15 million acre-feet of Colorado River water per year among seven western U.S. states and Mexico.

WHAT IS A CUBIC FOOT OF WATER?
The cubic foot is defined as the volume of a cube with sides of one foot in length.

\[ 1 \text{ cubic foot} = 7.48 \text{ gallons} = 62.4 \text{ lbs. of water} \]

Most often when discussing water moving down a stream or conveyance channel, it is most commonly referred to in cubic feet per second (cfs).

\[ 1 \text{ cubic foot per second (cfs)} = 448.1 \text{ gallons per minute} \]
\[ 1 \text{ cubic foot per second (cfs)} = 646,360 \text{ gallons per day} \]

A stream gage, may record 300 cubic feet per second at flood stage and ten at baseflow. For example, the Rillito River at flood stage may reach 10,000 cfs whereas the Mississippi River at Baton Rouge, LA at flood stage may reach 450,000 cfs!

HOW MUCH WATER IS…?

\[ 1 \text{ million gallons} = 3.07 \text{ acre feet} \]
\[ 1 \text{ million gallons per day (mgd)} = 1,121 \text{ acre-feet per year} \]
\[ 1,000 \text{ gallons per minute (gpm)} = 2.23 \text{ cfs} = 4.42 \text{ acre-feet per day} \]

The Colorado River before diversions = 23,000 cfs
After diversions = < 4,000 cfs
Salt River above Phoenix = 973 cfs

WHAT ARE THE UNITS ON MY WATER BILL?
Most water companies charge per Ccf of water used.

\[ 1 \text{ Ccf} = 100 \text{ cubic feet of water} = 748 \text{ gallons} . \]

For example, Tucson Water charges $1.17/Ccf for the first 15 Ccf (~11,220 gallons) used per month, with increasing rates beyond this amount.

If average use = 166 gallons per capita per day (gpcd)*
* Average of use between Tucson, Phoenix, and Flagstaff

Monthly = 4,998 gallons per capita per month or 6.68 ccf
Approximate cost = $7.81 per capita per month

1 acre-foot = 27,154 gallons per month = ~ 179 gallons per capita per day Compare this to statewide gpcd rates:

<table>
<thead>
<tr>
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<th>GPCD</th>
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</tbody>
</table>

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Thank you for your wonderful photo contest entries!!

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