

*Partnerships*

**FOR IMPROVING  
COMMUNITY  
WATERSHEDS**



# Because of You...

## Our most important partnership.

This annual report is all about the partnerships that help us meet our mission. In truth, as a donor you are our most important partner in the community. Last year 47% of WMG's income came from private donors—people just like you who care about our mission and walk the talk by giving money to support it. This annual report is dedicated to all of our generous donors. We couldn't do it without you!

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## WMG Founders Re-unite in India

By Lisa Shipek

In early September, Catlow and I made the 9,000-mile journey to Panchgani, Maharashtra, India to reunite with our WMG co-founders, Jared Buono and Sowmya Somnath. After weeks of living and working alongside Jared and Sowmya, I can confidently say WMG is making a real and lasting impact in rural India. We visited very tangible projects—including new spring boxes providing drinking water to villages, school hand washing programs, and more household tippy taps than we could count. Even in this short visit, we witnessed less tangible impacts too—like the strong bonds WMG has built with villagers to tackle long-term watershed monitoring, and the children who feel empowered to create change in their families. Along the way, Catlow and I created a video blog documenting our India programs to share our experience with you. Check out: [watershedmg.org/india-blog](http://watershedmg.org/india-blog).



**Watershed Management Group develops and implements community-based solutions to ensure the long-term prosperity of people and health of the environment. We provide people with the knowledge, skills, and resources for sustainable livelihoods.**

# Letter from the Director



## Partnerships for improving community watersheds

Collaboration, not competition. This is one of Watershed Management Group's core values. In other words, **we love partnerships! Partnerships of all sizes and shapes.** We partner with municipal governments, contractors, K-12 schools, universities, social service organizations, and neighborhood groups. We partner with individuals and families through our Green Living Co-op program. Workshop hosts open up their homes to volunteers they probably don't know—and backyards are turned into hands-on classrooms as instructors lead raingarden, cistern, or greywater installations.

Our other core values aptly position us for effective partnerships—openness; transparency; diversity; positive, can-do attitude; community; and walking the talk. For example, our can-do attitude was central in WMG's effort to start the Community Water Coalition and pilot new site-built composting toilets in collaboration with the Arizona Department of Environmental Quality—both achievements of the last year highlighted in this report.

Along with these values, we also prioritize partnering with people in need. From our international work to our domestic programs, we want to ensure our services are available to low-income and disadvantaged communities. That's why we partner with organizations like the Primavera Foundation and Southern Arizona Community Food Bank in Tucson, the Southwest Autism Research and Resource Center and Primera Iglesia in Phoenix, and Grampari, an organization focused on improving rural livelihoods in India.

One of the most exciting developments of 2012 was the inheritance of a residential property in central Tucson from the estate of Marguerite Fisher—our longtime donor partner. We have been working diligently to turn this property into WMG's Living Lab and Learning Center, a space that will be a top-notch demonstration site with an educational center and our headquarters office. Along with basic property cleanup, we have been working on a zoning exception, and we conducted a feasibility study for a capital campaign. WMG will have so many exciting opportunities to walk the talk with this new property, and share all the green-living systems with you through workshops, tours, and presentations.

Thanks to you for partnering with WMG as a donor this year. We are looking forward to all the new and dynamic partnerships to improve our community watersheds in 2013.

Lisa Shipek  
Executive Director





*Because of You!*

# Partnering on Policy for Watershed Health

By Karilyn Roach, Program Coordinator

Watershed Management Group is taking a leading role in two Tucson initiatives to restore watershed health and our desert washes and rivers. Building on our solid work around the “how-to” of water conservation, we are forging key partnerships to link grassroots actions to municipal and regional policy changes.

## Community Water Coalition

The Community Water Coalition brings together diverse groups working in the Tucson region to advocate for water policies that support a healthy environment and resilient communities.

The 12 member organizations and impassioned individuals that form the Coalition each bring a unique perspective and understanding of our water future. **Alone, WMG is just one voice. The Coalition becomes a megaphone for our voice and those of our partners.**

Over the last year, WMG has committed both time and money to this effort and has taken a leadership role in the Coalition, holding a seat on the Coalition’s Advisory Committee, serving as Treasurer, and hosting the Coalition’s sole staff position of Coordinator in our office. As a result, the Coalition has grown from an idea into a powerful force in the regional water dialogue.

In the last year, the Coalition built a strong relationship with Tucson’s Mayor and City Council—literally earning a seat at the table to discuss Tucson’s water future through participation in the Mayor’s Green Roundtable. Pima County also reached out to the Coalition in 2012, offering a representative to sit on the Coalition’s working group to identify best uses for the Conservation Effluent Pool—10,000 acre feet of treated wastewater set aside to support the environment.

The Coalition is looking to expand in 2013 by bringing on new member organizations or business affiliates. To find out more, please visit [communitywatercoalition.org](http://communitywatercoalition.org).

## Community Water Coalition Members:

- Center for Biological Diversity
- Cienega Watershed Partnership
- Coalitions of Mutual Endeavor
- Coalition for Sonoran Desert Protection
- Community Food Bank of Southern Arizona
- Desert Watch
- Primavera Foundation
- Save the Scenic Santa Ritas
- Sierra Club–Rincon Group
- Sustainable Tucson
- Tucson Audubon
- Tucson Mountain Association
- Watershed Management Group



## Conserve to Enhance

The other WMG-sponsored avenue for water for the environment is through the Tucson Conserve to Enhance program (C2E). This program, run in partnership with the Sonoran Institute and the University of Arizona Water Resources Research Center, has just wrapped up a two-year pilot phase.

**In the last two years, 60 pilot participants saved more than two million gallons of water, installed rainwater-harvesting systems at 30 homes, and donated nearly \$2,000 to enhancement projects.**

With additional funding from the Tucson Water bill checkbox, the first C2E-funded restoration project was implemented by Tucson Audubon at Atturbury Wash in southeast Tucson in October 2012, planting native trees and shrubs to extend the wash's important riparian habitat. C2E is currently enrolling more participants and seeking new community partners with neighborhood wash enhancement projects to fund in 2013. For more information, visit [watershedmg.org/c2e](http://watershedmg.org/c2e).

Through education, working with partners and local leaders, and connecting people to our local water resources, these two initiatives are powerful tools to ensure watershed health and bring our groundwater and river systems back into balance.



## WMG PARTNERSHIP PROFILE



## Community Food Bank of Southern Arizona

The Community Water Coalition, by nature, relies on a spirit of partnership to thrive. One key partner in the formation and success of the Coalition is the Community Food Bank of Southern Arizona.

The Community Food Bank's mission is like that of most food banks'—to feed the hungry in our community—but where they may differ is in their understanding that, as Leona Davis, Education and Advocacy Coordinator at the Food Bank, states, "maintaining a resilient regional food system as a vital part of our ability to be food secure in Southern Arizona."

Davis represents the Community Food Bank on the Coalition's Advisory Committee and sees the work of the Coalition as central to her organization's mission. **"As food cannot be grown without available water, regional water security becomes an important issue that is central to our mission."**

The participation of the Community Food Bank not only expands the Coalition's ability to represent the voice of our region more completely, but offers a seat at the table to a group not ordinarily included in discussions about environmental health. Davis says, "Municipal and regional water decisions have a profound effect on our clients, who represent the most vulnerable sector of our community to environmental problems. The Coalition allows us to speak on their behalf in these critical discussions."





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# Soil Stewards Get Down and Dirty to Transform Wastes into Resources

*By Catlow Shipek and Tory Syracuse*

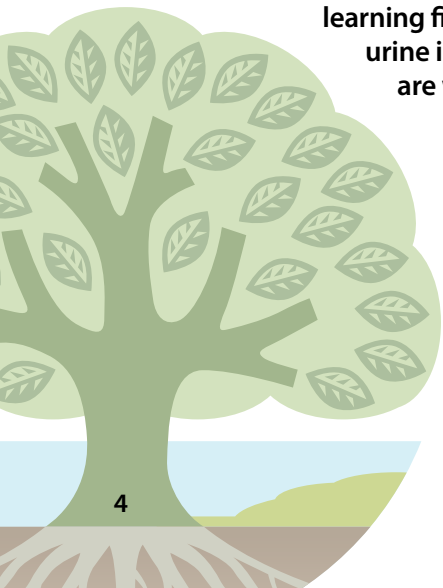
This year, Watershed Management Group has added a new layer to our work: training Soil Stewards. Soil is an essential—if often overlooked—part of any watershed. From highly urbanized areas to rural farmland to untrammeled wilderness, soil is the sponge that soaks up water and nourishes plant life. Along with training people to be responsible stewards of water, WMG believes it's important for everyone to be stewards of soil as well, enabling more holistic care of our watersheds, from our backyards to our neighborhoods.

One way to become a soil steward is to transform the way we think about waste. Everything from tree trimmings to food scraps to human waste can be utilized as a resource—and the most valuable resources for soil enhancement can often be found at our homes and work places. So this year we launched the Soil Stewards program, a two year pilot working with early adopters to turn more challenging wastes into resources and learn about building and maintaining healthy soils in the process.

**There are two main tracks in the program: 1) the Compost Toilet pilot, where Soil Stewards are learning first-hand the nutrient value of composted human waste (“humanure”) and diverted urine in their own backyards, and 2) the Neighborhood Mulching pilot, where Soil Stewards are working with their neighborhoods to turn green waste into mulch for common areas.**

Through the Compost Toilet project, we developed and are testing two “site-built” composting toilet designs. Site-built systems are more affordable and sometimes more effective than commercially-sold composting toilets. The Soil Stewards have each constructed a “site-built” composting toilet at their home and are evaluating them based on performance and likeability. Soil Stewards re-connect a broken nutrient cycle by safely utilizing humanure in their yards, and they no longer use potable water and associated energy to flush this “waste” down the toilet.

Through the Neighborhood Mulching pilot, Soil Stewards organized tree trimming workdays with their neighbors and prepared trimmings to be mulched by Romeo Tree Service (a local tree trimming company) for use in water-harvesting basins and as a landscape cover. Organic mulch enhances soil and helps retain soil moisture (plants in mulched soil





## Arizona Department of Environmental Quality

Meet Chuck Graf, Senior Hydrologist with the Arizona Department of Environmental Quality (ADEQ). Mr. Graf is the regulatory representative on the Advisory Committee of WMG's Composting Toilet pilot. ADEQ is tasked with protecting environmental health in the state by ensuring regulated systems are in compliance with state and federal standards.

**“Working with WMG’s Composting Toilet Pilot advisory committee has been a positive experience where ADEQ has been able to collaborate with committed community members and organizations to design, test, and address regulatory concerns for these interesting technologies,” says Chuck.**

Chuck has been vital in advising the pilot program how to navigate through the regulatory framework and see that the goals of the research project are met. ADEQ continually seeks to improve the high standards of environmental health we all enjoy, and Chuck’s openness to the idea of new and innovative green technologies has been essential in ensuring that this pilot project will result in solutions that continue to protect human health while also reducing our impact on the natural environment.



### WMG PARTNERSHIP PROFILE

require about three times less water than plants in bare soil during the hottest months). This program helps neighborhoods reduce their green “waste” going to the landfill, while enhancing their landscapes and saving water.

Along with on-the-ground actions, WMG is working with two advisory committees through the pilot programs to ensure this work has a lasting impact. Through the Compost Toilet advisory committee, we are working with the Arizona Department of Environmental Quality to officially approve the two site-built designs so all Arizonans can benefit from these systems. Through the Neighborhood Mulching advisory committee, we are working with various stakeholders in the City of Tucson to start a green waste mulching program with Tucson’s waste management services.

The Soil Stewards program has been enriched by numerous partnerships over the past year, including The University of Arizona’s Bureau of Applied Research in Anthropology, led by Dr. Diane Austin. Graduate students are leading the valuable monitoring processes and participant surveys to provide feedback on both pilot programs. We’ve also benefitted from working with various technical experts, like composting toilet guru David Omick, whose decades of experience helped us design and test the site-built systems.

If you are not participating in our Soil Stewards program, and want to help create healthy soils, don’t fret—we have many other opportunities and resources, including free webinars and public workshops and a variety of educational resources on our website. To learn more, visit: [watershedmg.org/soil-stewards](http://watershedmg.org/soil-stewards).

**WMG is happy to help you turn your “waste”—kitchen scraps, tree trimmings, what you flush down the toilet, and your greywater and stormwater runoff—into resources to create productive yards and neighborhoods.** The Soil Stewards program is empowering residents with the knowledge to cultivate every aspect of their local watershed, from top to bottom.





# WMG PARTNERSHIP PROFILE

## Primavera Foundation

Peggy Hutchison, Executive Director of Primavera Foundation, has a unique perspective on collaborative partnerships. "My philosophy is that our strength as an organization is reflective of the partnerships we build in the community. We are not an isolated entity. We connect with other organizations, each bringing our own assets to the table."

**Primavera's partnership with Watershed Management Group demonstrates this philosophy. At first blush one might wonder what a conservation organization and an anti-poverty service organization have in common. Turns out it's quite a bit.**

"What I love about WMG is that they have a holistic understanding of community development," says Peggy. "They understand that distressed neighborhoods need equal access to natural resources like water. It's part of the picture of social and economic justice for people looking for pathways out of poverty."

WMG and Primavera began collaborating a few years ago when WMG was looking for greywater demonstration sites. Primavera's women's shelter, Casa Paloma, turned out to be a great site due to the amount of laundry, showers, and other water usage on site. WMG held a graywater workshop at Casa Paloma, involving shelter residents, neighborhood volunteers, and Primavera staff. Now Casa Paloma has thriving fruit trees and edible plants, as well as a community garden tended by residents.

After this successful collaboration, the two organizations worked together to "green" all twelve of Primavera's properties, while also training Primavera Works' landscaping staff in water harvesting. Primavera Works provides employment training and opportunities (like landscaping) for people who are homeless and unemployed or under-employed.

"This project is particularly exciting because it is developing the skills and expertise of our staff, and helping us build a whole new line of business that benefits the people we serve. We couldn't have done it without WMG."

"WMG is a great partner for Primavera because they share many of our guiding principles: strong leadership, compassion, accountability, and respect. They know what it means to invest in people and their neighborhoods. Most importantly, they work with us to analyze problems and challenges and learn from them. Like us, they always aspire to make it better."





*Because of You!*

# Scaling Up Green Living Co-op Impacts



*By Catlow Shipek,  
Senior Program Manager*

Watershed Management Group's Green Living Co-op implements residential-scale solutions such as rainwater and greywater harvesting, habitat restoration, and food production systems. These solutions fit our unique approach of fostering personal action to have community, regional, and even global impacts.

In 2012, WMG Co-op instructors led 55 "barn-raising" workshops in Tucson including another 6 workshops through budding Co-op programs in Phoenix, AZ and Santa Barbara, CA. Community volunteers, 554 in total, logged 2,770 hours. By attending workshops, volunteers gain skills and expertise to implement their own projects, increasing the impacts well beyond Co-op workshops.

To share the impacts of the Co-op projects and their potential to multiply over time, here are some stats from the 55 Co-op workshops in Tucson in 2012.

- **67,760 gallons.** Constructed capacity of rainwater harvesting systems.
- **80,700 gallons.** Diverted annual greywater to irrigate landscape plants.
- **26,620 gallons.** Annual potable water saved - not flushed down toilets - thanks to use of composting toilets.
- **222,660 gallons.** Estimated annual potable water savings based on utilization of rainwater, greywater, and composting toilets.

But the impact doesn't stop with water conservation. An estimated 40% of Tucson's energy demand is used to pump and treat water. Here are some energy savings from Co-op projects<sup>1</sup>.

- **1,458 kilowatt hours.** Energy saved by reducing potable water demand.
- **232 kilowatt hours.** Energy saved by not treating diverted greywater and not flushing toilet water.

The impact continues to ripple out. The Tucson Co-op planted 77 native trees and 23 fruit trees irrigated by rain and greywater. Here are some benefit services provided by trees, which continue to grow each year as the tree grows<sup>2</sup>.

- **\$3,092.** Annual value of benefits derived from trees which provide services related to energy savings, food production, increased home value, and carbon reduction.
- **17,030 pounds.** Amount of carbon avoided and sequestered each year.
- **7,390 kilowatt hours.** Energy conserved due to reduced heating and cooling needs.

**Whether you attended a Co-op workshop, hosted a Co-op workshop, or donated to WMG to support our Co-op programs, you are playing an important role in conserving water and energy, and these savings are multiplying every year!**

*1 [www.harvestingrainwater.com/water-energy-carbon-nexus/](http://www.harvestingrainwater.com/water-energy-carbon-nexus/); based on combined average of CAP and groundwater values.  
2 <http://treebenefits.com/calculator/>; based on Tucson area zipcodes and 1/2 of expected mature tree growth*



**WMG  
PARTNERSHIP  
PROFILE**

## *Monica Brown, Phoenix Green Living Co-op Member*

Expanding the Co-op Program to Phoenix required the development of brand new partnerships with committed volunteers who were willing to bring something new into their community. Monica Brown has been just such a partner. Monica invited WMG to host the first Green Living Co-op project in Phoenix at her home in 2011.

"I was blown away. People show up at your home and it's like they're your best friends. It's such a community environment. It really touched my heart."

In addition to hosting a workshop on her property, Monica has also taken many WMG workshops, including the Water Harvesting Certification Course, which she calls "intense, professional and expansive."

"What I love is that you learn so much, and that you can take the information and experience you gain and apply it right away for your own property or someone else's."

Monica says her experience with WMG has opened her eyes to the importance of water conservation and sustainable living. "My aha moment during the course was realizing how much energy is required to actually get tap water into your house. Most of us don't think about that. We just turn it on and it shows up. We're not only using a lot of water, we're using other resources and energy just to get the water into our homes. It's unnecessary."

"We live in the desert. I think we are getting to the point on this earth where we don't have a choice. It's a practicality, a necessity." As the mother of three children, Monica wants to take what she has learned through WMG and help her children understand their responsibility as stewards of the environment. "It's all part of me now. I don't even have to think about it. That's what I want for them."

When asked why she volunteers and gives financially to support WMG, Monica says she believes it's important to support what you believe in. **"Giving to WMG is important. It's**

**energetic. It's bigger than just the financial support or volunteer time you put in. The energy you put out to help WMG comes back to you exponentially. It ripples out and draws more people into the organization."**





*Because of You!*

# Diverse Partners Create Green Streets and Policy Change in Arizona Communities

By Tory Syracuse, Associate Director

The past year has been a season of “firsts” as the Green Streets program has implemented projects in four new cities: the first curb cuts in Flagstaff, the first curb cores in Phoenix, our first foray into permeable pavement in Lake Havasu City, and our first green infrastructure demonstration sites in Sierra Vista. These projects brought together a diversity of people, from school and church groups to neighborhood and military volunteers, to work with Watershed Management Group and City staff to design and build educational demonstration sites. Furthermore, the planning and approval process for these projects sparked conversations with different city departments that have already begun to drive policy changes in support of green infrastructure.

In October 2011 and February 2012, **WMG worked with Primera Iglesia Metodista Unida, a church just south of downtown Phoenix, to implement the first curb cores in Phoenix and transform a once-barren corner into an oasis of shade trees and natural beauty nourished by stormwater.** The effort was truly community-driven, with neighborhood residents, the church community (including homeless residents who shelter there), and volunteers from throughout the Phoenix area lending a hand.

WMG staff worked closely with the City of Phoenix Department of Transportation to receive permits and approval for the project at Primera Iglesia, and along the way, learned that the city did not have an internal process for approving such projects. In March 2012, WMG received a grant from the Arizona State Forestry Department to work with the City of Phoenix to create additional demonstration sites with volunteers and to craft an easily-navigable, standardized process for residents seeking city approval for green infrastructure projects. The project also includes the development of standard, city-approved green infrastructure designs to provide a framework for implementing green infrastructure throughout the city more readily.

Forging partnerships in new communities has been a key success of WMG’s Green Streets program this year, allowing for expansion of the on-the-ground work that is helping drive progressive green infrastructure policy across the state.





*Because of You!*  
**Collaborative  
Watershed Projects  
Meet Basic Water  
Needs in India  
and Burkina Faso**



*By Jared Buono, India Country Director*

In our partner villages in rural India and Burkina Faso, water is the number one challenge as degraded ecosystems and poor aquifers mean that heavy monsoon rains quickly run off or evaporate leaving a long, dry and hot wait until the next rainy season brings relief. But safe drinking water and soil moisture to support crops are essential to help people pull themselves out of poverty. We partnered with farmers to restore watershed function and promote groundwater recharge in nine villages in 2012.

Our spring box projects in rural India provide technical guidance to villages seeking a gravity-fed source of safe and sustainable drinking water—and this year we helped two communities with over 500 people achieve that goal. One such community, Godavalli, was a small rural village with plenty of water until the expansion of a neighboring town increased construction and the demand for water in their area. Their traditional source of drinking water was a natural spring that became polluted and failed to supply enough water after many new wells were dug. We helped them devise a plan to protect the watershed above their main spring, and we designed a spring box to more safely and efficiently capture the water at the spring source. **The impact of WMG's work in Godavalli and other villages has rippled out, getting the attention of the India government, who now mandates our approach for natural springs and watershed activities throughout Satara District in Maharashtra.**

In Burkina Faso we trained three communities to manufacture and install gabions (wire frame dams). The dams were installed in farmer fields to capture water during monsoons to increase crop yields and prevent erosion. And the communities can now manufacture the gabions for increased income while promoting ecological restoration.

It is this type of collaborative project, where communities are empowered to create their own solutions or increase income through sustainable projects, that we strive for. It's an approach that not only strengthens watersheds and ecosystems, but also strengthens communities on the path to prosperity.





*Because of You!*

# School Handwashing Program Focuses on Long-Term Behavior Change

*By Sowmya Somnath, Water, Sanitation and Hygiene Program Director*

Handwashing with soap is the most effective and inexpensive way to prevent diarrhoea and pneumonia, which kill millions of children every year. Yet it is seldom practiced and difficult to promote. Health related behaviour change remains one of the biggest challenges of our time, and devising effective and replicable approaches that increase long-term handwashing behavior could save millions of lives every year.

It's with this in mind that **WMG India created the School Handwashing Program (SHP), which reached 3,200 children in 37 villages in 2012.** It's designed for rural communities with limited water access and includes an intensive 10-month follow-up to ensure behavior change, especially in children, the most vulnerable population.

Public health programs often assume that awareness of handwashing benefits will result in increased handwashing. This is rarely true for health behaviours—for example, most people that don't exercise are aware of its benefits. However, sometimes other factors motivate people, like competition with their peers, social norms, or trendy activities.



We start by teaching children about handwashing through a classroom session that utilizes humorous skits, and repetition with singing and hand motions. Children then assemble tippy taps—low cost, low water use handwashing stations—building a tippy tap to use at school and giving them the basic skills to build one at home. Our follow-ups use behavior change triggers like positive reinforcement—during monthly visits, each child is judged on the cleanliness of their hands, and schools where the majority of students have clean hands get a good grade. Handwashing is also encouraged by their peers—several students are selected in each class to be health ministers—an important job that includes a bright badge.

We're measuring our program's impact in three ways: 1) monitoring tippy taps built at homes—over 500 to date, 2) monthly hand hygiene spot checks at schools, and 3) before-and-after secret structured observation, where we monitor how many school children are washing their hands before eating lunch and after using the toilets.

Our grassroots impact is leveraged to influence handwashing globally through our multi lingual materials on [www.tippytap.org](http://www.tippytap.org), a resource that has assisted handwashing programs in 12 countries.





*Because of You!*

# New Green Infrastructure Trainings and Demonstrations in Santa Barbara

*By Lisa Shipek, Executive Director*

Green infrastructure and water harvesting are greatly needed in Santa Barbara, where winter rains send pollution straight into the ocean and the long dry season in the summer creates a high demand for landscape irrigation. Currently very few people use these systems, and public and private demonstrations of these practices are hard to come by. Watershed Management Group is working to change this.

In May 2012, WMG received funding for a two-year program to create water harvesting and green infrastructure demonstration sites in the city of Santa Barbara and to offer professional trainings and educational workshops for the general public. In August, WMG ran an eight-day Water Harvesting apprenticeship with six professionals from the Santa Barbara region. Senior

Program Manager Catlow Shipek designed and ran the program in Santa Barbara, building on the curriculum of WMG's Water Harvesting Certification, to offer more depth in working with clients and leading hands-on educational workshops in water harvesting.

Program participant, Penny Owens, was able to learn new skills to benefit her job with non-profit organization, Santa Barbara Channelkeeper. "As a participant in WMG's water harvesting apprenticeship program, I was able to see first-hand and gain a better understanding of everything that goes into hosting a water harvesting workshop with community volunteers and property owners," says Penny. **"I gained valuable experience in assessing, designing, and implementing several integrated water harvesting systems at residential sites, which has greatly helped me in my role talking with the community and encouraging homeowners to implement green infrastructure."**

WMG also initiated a water harvesting subsidy program, offering up to \$1,000 for water harvesting systems implemented through Green Living Co-op workshops. We will be working to implement another 15–20 residential and commercial demonstration sites in the next year with local partners.



## WMG Expands the Dialogue with Green Infrastructure Conference for Arid West

In March of 2012, Watershed Management Group brought together partners from Arizona, New Mexico, and California to host the Arid Low Impact Development (LID) conference in Tucson, focusing on integrated solutions for green infrastructure. Over 200 attendees from across the arid West shared strategies and inspiration for integrating green infrastructure into their communities—a challenging task, since these practices tend to be tailored to wetter, more temperate environments.

This conference was in true WMG form—we ensured a diversity of participants, mixing many different professional disciplines with community activists and non-



## WMG PARTNERSHIP PROFILE

# Van Clothier, Stream Dynamics, Inc.

A few years ago, Van Clothier went to a Green Infrastructure conference in Las Cruces, NM. "I met an intense young man who did a killer presentation." That killer presenter was Catlow Shipek, WMG co-founder and Senior Program Manager.

"I had been doing stream restoration in wild areas for ten years. Learning about urban water harvesting changed my

perspective and helped me pull it all together. Now I'm doing both," says Van, who has taken WMG's Water Harvesting Certification Course.

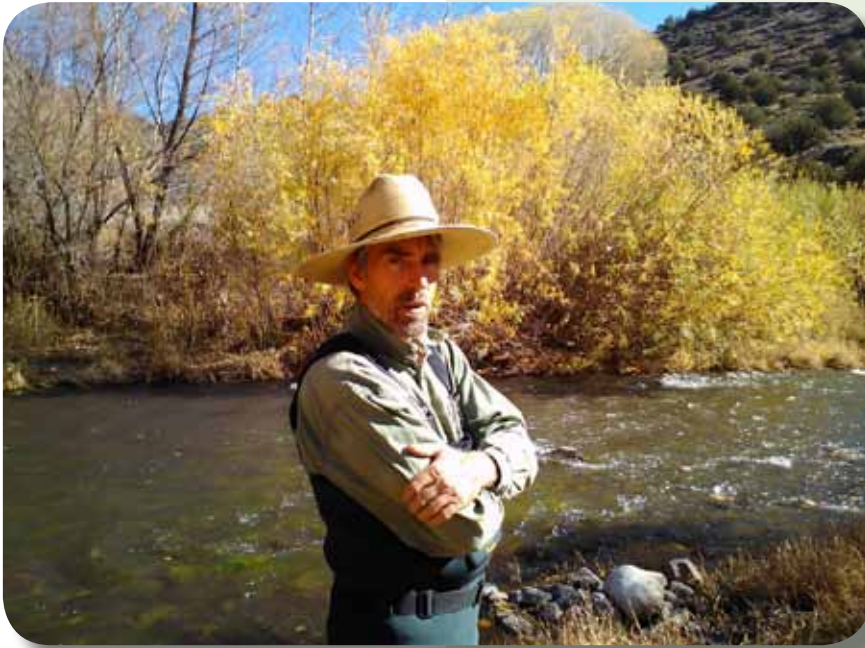
"After seeing Catlow at the conference, I wrote a grant to bring him to the NM Watershed Forum. Since then I've been using WMG as a resource and implementing their methods here in my home town."

Now Van teaches workshops for WMG, including "Urban Stream Restoration," offered this past January. Participants included natural resource managers, Prescott College students, and faculty from the Instituto Tecnológico Superior Cananea, Mexico.

"In the course, we teach people how to read the landscape, how to see subtle changes in topography and vegetation, and become a forensic hydrologist. Where is the water coming from and where's it going? Where did it go and where did it come from prior to urbanization? How can we make best use of the water when it does rain?"

Van is delighted to be involved with WMG, which he considers a true give-and-take partnership: **"I'm passionate about partnering with WMG because, of all the intractable problems in the world, water scarcity is one that actually has a graceful resolution that simultaneously benefits people, the environment, our economy, and our ecology.**" WMG shows us that all you have to do is make a small change, like cutting a little hole in the curb, and you can harvest a great resource for people."

If you would like to learn more about Van Clothier and Stream Dynamics Inc., visit his website at [www.streamdynamics.us](http://www.streamdynamics.us).



profit organizations. Participants helped develop a green infrastructure research agenda for arid environments and toured Tucson's green infrastructure sites—many by walking and biking. There were many inspiring speakers, including keynote speaker Andy Lipkis, founder of the Los Angeles organization TreePeople, and a distinctive presentation by WMG's Lisa Shipek that illustrated community-based green infrastructure through movement with the help of modern dance troupe, New Articulations.



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Thanks to all our donors who contributed between 10/1/2011 and 12/31/12.

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Anastasia Rabin





**WMG  
PARTNERSHIP  
PROFILE**

## *Patricia DeWitt* *Stewardship Circle Member & Legacy Donor*

Patricia DeWitt lives in a beautiful adobe house at Milagro, a co-housing community in Tucson where their vision is to “care for and respect one another and the environment.” Patricia embodies this vision, not only because she is a co-founder of this green living community, but also in her philanthropic giving to many organizations that share her values.

“I believe in donating. I worked hard. I’m not from a wealthy family. But my needs are met and the universe has been wonderful to me. I believe in giving back.”

Patricia believes water conservation is the most important issue facing the Tucson community. She is committed to living a sustainable lifestyle that takes into account the health of our environment and conservation of the earth’s resources.

Patricia is a member of the Stewardship Circle, giving \$1,000 or more every year to help sustain and grow WMG and its mission. “I love WMG because they do a project, and then they use it as a demonstration for others, so they can see the possibilities. I also like the fact that they work with the City to implement policy change.”

**Patricia has also made the ultimate gift to WMG by leaving a legacy for the organization in her estate plan. When asked why she decided to make an estate gift, Patricia says, “I want to leave a legacy, not about myself, but a continuation of my values. I do it because it helps the earth.”**

If you are interested in considering a legacy gift to WMG, please call Lisa Shipek, Executive Director, at 520-270-4242 or email her at [lisa@watershedmg.org](mailto:lisa@watershedmg.org).

If you would like to learn more about Milagro, visit their website at [www.milagrocohousing.org](http://www.milagrocohousing.org).



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Eileen Ratajczak  
Ruth Reiman  
Martha Retallick  
Diana Rhoades & Michael Finkelstein  
Karilyn & Charlie Roach  
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# Partners

## Tucson Region Partners

Agua Caliente Elementary School  
Anza Trail Coalition of Arizona  
Apollo Middle School  
Arizona Department of Environmental Quality  
Avalon Gardens  
Barrio Hollywood  
Barrio San Antonio  
Bernalillo County, New Mexico  
BICAS  
Borton Magnet School  
Challenger Middle School  
City of Phoenix  
City of South Tucson  
City of Tucson Department of Transportation  
City of Tucson Environmental Services Department  
City of Tucson Mayor's Office  
Community Food Bank of Southern Arizona  
Coronado Heights Neighborhood  
Doolen-Fruitvale Neighborhood  
Dr. Charles Gerba, University of Arizona,  
Department of Soil, Water, and Environmental Science  
Drachman Institute  
Dunbar/Spring Neighborhood  
Elvira Neighborhood  
The Fairfax Companies  
Food Conspiracy Co-op  
Friends of the Santa Cruz River  
Garden District Neighborhood  
Glenn Heights Neighborhood  
House of Neighborly Service  
Ironwood Tree Experience  
Ironwood Tree Experience  
Jefferson Park Neighborhood  
Manzo Elementary School  
National Outdoor Leadership School  
Native Seed SEARCH  
David Omick  
Pima Association of Governments  
Pima Community College  
Pima County Department of Environmental Quality  
Pima County Regional Flood Control District  
Primavera Foundation  
PRO Neighborhoods  
Pusch Ridge Christian Academy  
Rincon Heights Neighborhood  
Rincon High School  
Rio Rico High School Interact Club  
Rio Rico Properties  
Romeo Tree Service  
Samos Neighborhood  
Santa Cruz County, Public Works  
The Sonoran Institute  
St. Mark's Presbyterian  
Summit View Elementary School/Sunnyside School District  
Sunnyside Neighborhood  
Tierra y Libertad  
TreePeople  
Tucson Audubon  
Tucson Clean and Beautiful  
Tucson Water  
UA Biosphere 2 (Mitchell Pavao-Zuckerman)  
UA Water Resources Research Center  
University High School  
University of Arizona Bureau of Applied Research in Anthropology (Dr. Diane Austin)  
University of Arizona Environmental Research Laboratory  
University of Arizona Institute of the Environment  
University of Arizona Renewable Energy Network  
University of Arizona Water Resources Research Center  
University of Arizona Water Sustainability Program  
Walter Douglas Elementary School  
Wheat-Scharf Associates



## Phoenix Region Partners

City of Phoenix Parks and Recreation  
City of Phoenix Street Transportation Department  
City of Scottsdale's Green Building Program  
Desert Botanical Garden  
Life's a Garden  
Montessori Academy  
Mountain States Wholesale Nursery  
Phoenix Public Market  
Primera Iglesia Metodista Unida  
Roosevelt Row Community Development Corporation (CDC)  
Sky Harbor Neighborhood Association  
Southwest Autism Research & Resource Center (SARRC)  
Valley Permaculture Alliance

## Santa Barbara Region Partners

Arcadia Studios  
Ayni Gallery  
City of Santa Barbara Water Conservation Program  
Environmental Horticulture Department, Santa Barbara City College  
Explore Ecology  
Hopdance Media  
Mesa Harmony Garden  
Permaculture Guild of Santa Barbara  
Quail Springs Learning Oasis and Permaculture Farm  
Santa Barbara Channelkeeper  
Santa Barbara Permaculture Network  
Surfrider Foundation  
Watershed Resource Center

## Other Southwest Partners

City of Flagstaff, Arizona  
City of Sierra Vista, Arizona  
City of Silver City, New Mexico  
Cochise Water Project  
Dryland Solutions  
Lake Havasu City, Arizona  
Ponderosa High School  
Stream Dynamics  
Taylor Bird Enterprises  
Water Wise Program, University of Arizona Cochise County  
Cooperative Extension

## International Partners

AMURT, Burkina Faso  
Asociación de Reforestacion de Ambos Nogales (ARAN), Mexico  
Comisión Estatal de Agua (Sonoran state water utility), Mexico  
Grampari - Initiatives of Change, India  
Instituto Tecnológico de Nogales, Mexico



# Grant & Foundation Funding

## Grant Funding

Arizona Department of Environmental Quality  
Arizona State Forestry  
Border Environmental Cooperation Commission  
Tucson Water  
U.S. Environmental Protection Agency  
U.S. Fish and Wildlife Service

## Foundation Funding

Asian Indian Community Foundation of Western New York  
Central Arizona Project  
Connecting Communities Foundation  
Kaimas Foundation  
Pro Neighborhoods  
Walton Family Foundation  
Jeff and Connie Woodman Foundation

# Financial Report

## Revenue and Support

Capital gifts	\$ 286,087
Grants	\$ 269,729
Program income	\$ 218,728
Donations	\$ 193,593
In-kind staff time, goods & services	\$ 51,417
Interest	\$ 1,016
<b>Total support &amp; revenue</b>	<b>\$ 1,020,570</b>

## Expenses

### Program services

Greening Urban Watersheds	\$ 152,652
Green Streets - Green Neighborhoods	\$ 126,987
Green Living Co-op	\$ 124,527
Watershed Technical Trainings	\$ 103,512
International (India & Burkina Faso)	\$ 84,214
Demonstration Sites	\$ 24,193
Schoolyard Water Education	\$ 12,283
Conserve to Enhance	\$ 10,144
Community Water Coalition	\$ 4,935
<b>Total Program services</b>	<b>\$ 643,446</b>

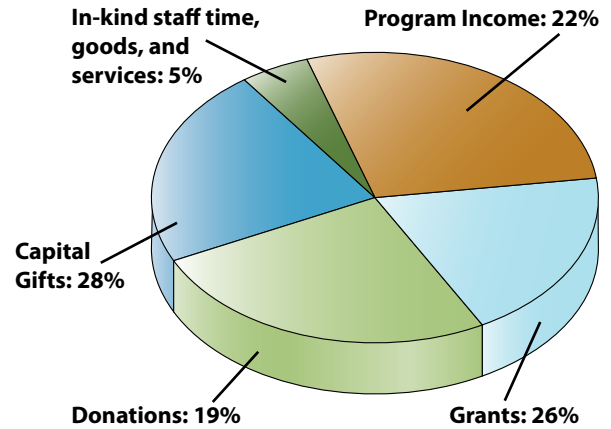
### Admin and Fundraising

Administrative	\$ 61,676
New Property Development	\$ 17,716
Fundraising	\$ 54,749
<b>Total supporting services</b>	<b>\$ 134,141</b>

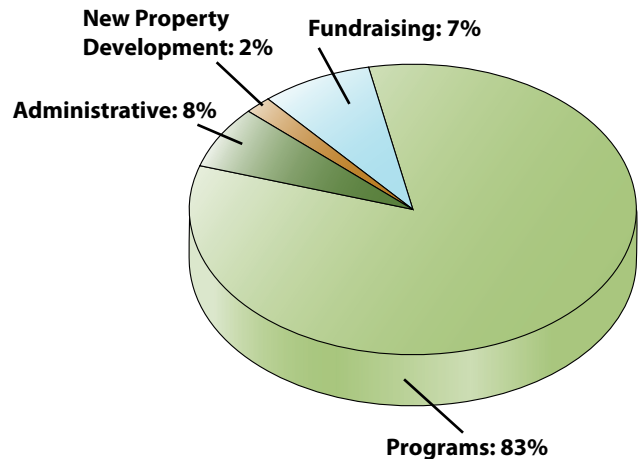
**Total Expenses \$ 777,588**

*\*Report for Fiscal Year of Oct 1, 2011 - Sept 31, 2012*

## Revenue



## Expenses



## Sponsors

### ARIDLID Conference Sponsors

ADS Pipe  
 American Society of Landscape Architects - Arizona Chapter  
 Arizona Department of Environmental Quality  
 Arizona Planning Association - Arizona Chapter  
 Arizona State Forestry Department  
 Central Arizona Project  
 Contech  
 Davey Resource Group  
 The Fairfax Companies  
 GeoSystems Analysis, Inc.  
 Stantec  
 Tucson Water  
 United States Forest Service  
 Water in the Walls  
 Wheat Scharf Associates

### Major Business Sponsors

Alexander-Carrillo Consulting  
 AM Video Design  
 Borderlands Brewing Company  
 Desert Diamond Casinos and Entertainment  
 Food Conspiracy Co-op  
 Lil' John's Excavating  
 Ordinary Bike Shop  
 Originate Natural Building Materials  
 Renee's Organic Oven  
 Romeo Tree Service  
 Trisports

## Because of You!

2012 marked a turning point in Watershed Management Group's financial maturity. We received our first legacy gifts, created a major donors program, and completed our first financial review. Thanks to your donations, we have diversified our program services to include more advocacy and policy work along with a greater depth in watershed programming including soil health and river and wash restoration.





PO Box 44205  
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*Because of You...* WMG is improving  
community watershed  
through partnerships.

