

# Appendix B

| <b>Section 1-Grants Received</b>   |  |
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|  | <b>Sponsor</b>   |
| Arizona Project WET, Water Education in Pinal County   | Abbott Fund/Foundation   |
| Arizona Project WET, Teacher STEM Academy  | City of Chandler, Arizona  |
| Arizona Project WET, Tucson Water Education  | City of Tucson, Arizona  |
| Arizona Project WET, Arizona Water Festival Program, Green Valley and Sahuarita, Arizona   | Freeport-McMoRan Cooper and Gold Foundation  |
| Arizona Project WET, STEM Education for Teachers   | Intel Community Grant Program  |
| Incorporating Climate Information and Stakeholder Engagement in Groundwater Resources Planning and Management                        | National Oceanic and Atmospheric Administration  |
| Arizona Project WET, Water Investigator's Program, Phoenix Arizona   | The Nature Conservancy   |
| Arizona Project WET, Water Investigator's Program, Phoenix Arizona   | Nina Mason Pulliam Charitable Trust  |
| Connecting Environmental Water Needs to Arizona Water Planning   | Nina Mason Pulliam Charitable Trust  |
| The Critical Challenge of Antibiotic Resistance: Are Wastewater Treatment Plants a Concern?  | Research Corporation for Science Advancement   |
| Arizona Project WET, STEM Education for Teachers   | Salt River Project   |
| Water Resources Management Program   | Town of Clarkdale  |
| Antibiotics in Agroecosystems: State of the Science  | United States Department of Agriculture  |
| 104(b), FY 2011 Annual Application under Section 104 of the Water Resources Act of 1984, as amended, dated 01/11/2011                | United States Geological Survey  |
| Connecting Water Conservation and Environmental Stewardship in the Colorado River Basin  | Walton Family Foundation   |
| Implementation of Innovative Approaches to Securing Water for the Environment  | Walton Family Foundation   |
| Developing a sustainable seafood industry infrastructure in Myanmar  | United States Agency for International Development   |
| Occurrence, proliferation, and persistence of antibiotics and antibiotic resistance during wastewater treatment                      | Water Environment Research Foundation  |
| Relative abundance and diversity of antibiotic resistance genes and pathogens in reclaimed versus potable water distribution systems | National Science Foundation Chemical, Bioengineering, Environmental, and Engineering Systems |
| Creation of self-sterilizing harvesting tools.   | Arizona Department of Agriculture Specialty Crop Block Grant Program;                        |

| <b>Section 2-104b Water Research Grants</b>  |                   |               |
|--|-------------------|---------------|
| <b>Title</b>   | <b>University</b> | <b>Amount</b> |
| <b>2012</b>  |                   |               |
| Fate of Emerging Nanoparticle Contaminants during Aquifer Recharge with Treated Wastewater                                       | UA                | \$10,450      |
| Does Increasing Solids Retention Time in the Wastewater Treatment Process Affect the Persistence of Antibiotic Resistance Genes? | UA                | \$7,300       |
| Toxicity of Emerging Contaminants in an Effluent Dependent Stream: The role of suspended solids and sediments                    | UA                | \$10,000      |

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|--|-----|----------|
| <b>2013</b>  |     |          |
| Discrimination-Inference to Reduce Expected Cost Technique (DIRECT):<br>A new framework for water management and stakeholder negotiation         | UA  | \$9,024  |
| Do Simple Carbon Additions Reduce Resistance to Antibiotics in Environmental Bacteria?   | UA  | \$10,000 |
| Sequential Advanced Oxidation and Soil-aquifer Treatment for Management of Trace Organics in Treated Wastewater                                  | UA  | \$10,000 |
| Extraction Methods for Engineered Nanoparticles from Aqueous Environmental Samples   | ASU | \$10,000 |
| <b>2014</b>  |     |          |
| Improving Integrated Surface Water and Groundwater Management in the United States: Case studies of innovative groundwater governance approaches | UA  | \$7,500  |
| Development of Antibiotic Resistance During Wastewater Treatment   | UA  | \$7,500  |

### Section 3-WRRC Media Appearances

| Date                             | Title  | Media Outlet  |
|----------------------------------|--|---|
| January 1, 2014                  | Generating Concern About Water   | Colorado Foundation for Water Education; <a href="http://www.watercolorado.org">www.watercolorado.org</a>   |
| January 31, 2014                 | Nobel Co-winner Explains Megadrought   | Green Builder; <a href="http://www.greenbuildermedia.com/news/nobel-co-winner-">http://www.greenbuildermedia.com/news/nobel-co-winner-</a>  |
| February 1, 2014                 | A Conversation with Another Water Expert: Sharon Megdal                        | Arizona Agriculture: Arizona Farm Bureau interview; Vol 67, no. 2; <a href="http://www.azfb.org/articles/110068/a-conversation-with-another-water-expert-sharon-megdal">http://www.azfb.org/articles/110068/a-conversation-with-another-water-expert-sharon-megdal</a>  |
| February 28, 2014                | Weekend rain won't solve long term drought issues; interview with Ryan Haarer  | KVOA; <a href="http://www.kvoa.com/videos/weekend-rain-won-t-solve-long-term-drought-issues/">http://www.kvoa.com/videos/weekend-rain-won-t-solve-long-term-drought-issues/</a>   |
| March 5, 2014 /<br>March 7, 2014 | Prevention, Solutions Amid Possible Water Crisis; interview to Lorraine Rivera | Arizona Week on PBS 6 and KAET World 8; <a href="https://news.azpm.org/p/local-news/2014/3/7/30976-az-week-prevention-solutions-amid-possible-water-crisis/">https://news.azpm.org/p/local-news/2014/3/7/30976-az-week-prevention-solutions-amid-possible-water-crisis/</a>   |
| March 5, 2014                    | The Cost and Pricing of Water; interview with Jamie Killin                     | ASU Walter Cronkite School of Journalism and Mass Communication; <a href="http://cronkitenewsonline.com/2014/04/could-price-be-a-tool-for-encouraging-water-conservation-in-arizona/">http://cronkitenewsonline.com/2014/04/could-price-be-a-tool-for-encouraging-water-conservation-in-arizona/</a>  |
| March 5, 2014                    | In the Upper Gila Watershed, drought conditions are having serious effects     | UA News   |
| April 2014                       | Interview for Not Up the Creek – Yet   | Tucson Weekly May 15, 2014; <a href="http://www.tucsonweekly.com/tucson/not-up-the-creekyet/Content?oid=4135802">http://www.tucsonweekly.com/tucson/not-up-the-creekyet/Content?oid=4135802</a> .   |
| May 13, 2014                     | Interview with Dan Kraker  | Minnesota NPR; Part1: <a href="http://www.mprnews.org/story/2014/05/27/ground-level-beneath-the-surface-tucson-water-blueprint">http://www.mprnews.org/story/2014/05/27/ground-level-beneath-the-surface-tucson-water-blueprint</a><br>Part2: <a href="http://www.mprnews.org/story/2014/05/27/ground-level-beneath-the-surface-tucson-water-reuse">http://www.mprnews.org/story/2014/05/27/ground-level-beneath-the-surface-tucson-water-reuse</a> |
| May 14, 2014                     | Arizona Project WET; interview with Zac Ziegler                                | Arizona Public Media May 16, 2014   |
| May 14, 2014                     | Rio Salado   | Know99 Television   |
| June 10, 2014                    | American Science Society of America and Soil Science of American               | CSA News  |
| June 17, 2014                    | Arizona Cities Could Face Cutbacks in Water From Colorado River, Officials Say | New York Times; <a href="http://www.nytimes.com/2014/06/18/us/arizona-cities-could-face-cutbacks-in-water-from-colorado-river-officials-say.html?_r=0">http://www.nytimes.com/2014/06/18/us/arizona-cities-could-face-cutbacks-in-water-from-colorado-river-officials-say.html?_r=0</a>   |

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| July 1, 2014       | When You Save Water You Save Rivers  | Edible Baja Arizona; advertisement   |
| July 10, 2014      | Interview with Andrea Kelly,   | Arizona Public Media   |
| July 30, 2014      | Colorado River Basin groundwater levels drop even faster than reservoirs; interview with Sarah Jane Keller | The GOAT Blog — High Country News; <a href="http://www.hcn.org/blogs/goat/new-study-shows-dramatic-groundwater-decline-in-the-colorado-river-basin">http://www.hcn.org/blogs/goat/new-study-shows-dramatic-groundwater-decline-in-the-colorado-river-basin</a>       |
| August 1, 2014     | When You Save Water You Save Rivers  | Tucson Water Utility Bill Insert   |
| August 13, 2014    | UA Program Promotes Smart Water Use in Arizona and Beyond  | UA News; <a href="http://uanews.org/story/ua-program-promotes-smart-water-use-in-arizona-and-beyond">http://uanews.org/story/ua-program-promotes-smart-water-use-in-arizona-and-beyond</a>   |
| August 14, 2014    | Interview on Jean McLain   | Cherry Creek Radio, KTAN 1420AM, Sierra Vista, Arizona   |
| August 19, 2014    | Tucson Program Saves Water and Helps with Environmental Projects   | Tucson NewsNet Daily Digest  |
| August 21, 2014    | UA Program Promotes Smart Water Use in Arizona and Beyond  | Yuma News Now (repost)   |
| August 25, 2014    | Promoting Smart Water Use in Arizona and Beyond  | University of Arizona homepage   |
| August 27, 2014    | UA water conservation program generates fund to enhance environment  | Arizona Daily Wildcat  |
| September 1, 2014  | Innovative Tool to Bridge Water Conservation and Community-Driven Environmental Enhancement                | Colorado Waterwise Newsletter  |
| September 1, 2014  | When You Save Water You Save Rivers”)  | Edible Baja Arizona; advertisement   |
| September 11, 2014 | with Chris Dowling (“Antibiotic Resistance in Agroecosystems: State of the Science.”)                      | Cherry Creek Radio, KTAN 1420 AM, Sierra Vista, Arizona  |
| November 28, 2014  | Arizona and the Negev: An aquifer runs through them; interview with Gilad Halpern                          | TLV1 Radio, Tel Aviv, Israel, November 28, 2014; <a href="http://tlv1.fm/the-tel-aviv-review/2014/11/29/arizona-and-the-negev-an-aquifer-runs-through-them/">http://tlv1.fm/the-tel-aviv-review/2014/11/29/arizona-and-the-negev-an-aquifer-runs-through-them/</a> . |

#### Section 4-WRRC Brown Bag Seminars

|               |   |   |
|---------------|---|---|
| Jan. 24, 2014 | Chris Udall, Executive Director, Agri-Business Council of Arizona   | Agri-Business Council of Arizona's Perspective on Water and Agriculture in Arizona  |
| Feb. 5, 2014  | Larry Stevens (Program Manager, Springs Stewardship Institute, Museum of Northern Arizona)  | Where Groundwater Meets the Sky: Springs Ecosystem Ecology and Stewardship  |
| Feb. 14, 2014 | Rosalind Bark (Resource Economist, Ecosystem Sciences Division, CSIRO [Commonwealth Scientific and Industrial Research Organisation])         | A Water Update From Down Under  |
| Feb. 21, 2014 | Kathryn Sorensen, Water Services Director, City of Phoenix  | Phoenix's Water Supply Resiliency   |
| Feb. 25, 2014 | Tim Cervantes (Administrative Director, TCPW) and Dave Grieshop (Chair, TCWP Technical Advisory Committee)                                    | The Cochise Water Project: Synergy at Work  |
| Mar. 25, 2014 | Susan Craig, Communications Director, Arizona Water Infrastructure Finance Authority (WIFA) & Melanie Ford, WIFA Technical Program Supervisor | An Insider's Look at WIFA and WIFA-funded Infrastructure Projects: The Most Needed, The Most Unique, The Most Sustainable |
| Apr. 28, 2104 | Mark Taylor, PE, Principal, WestLand Resources, Inc.  | Tackling Water Quality Issues in Bolivia and Guatemala  |

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|---------------|---|---|
| May 2, 2014   | Ariel Dinar (Professor of Environmental Economics and Policy, and Director of Water Science and Policy Center, University of California, Dept. of Environmental Sciences, Riverside, Calif.)              | Modeling Water Scarcity and Droughts to Analyze Climate Change Adaptation Policies in the Jucar Basin, Spain                      |
| Jul. 10, 2014 | Mike Crimmins, Associate Professor and Extension Specialist - Climate Science, Dept. of Soil, Water & Environment Science, The University of Arizona  | Dusty Dry to Sopping Wet? Summer and Fall Climate Outlook for Southern Arizona  |
| Sep. 3, 2014  | Robert H. Webb, Adjunct Professor, Hydrology and Water Resources, the University of Arizona / Co-Author of "Requiem for the Santa Cruz: An Environmental History of an Arizona River"                     | Scarce Water Resources and Development of Appropriate Decentralized Technologies for Sustainable Water Supply in the Negev Desert |
| Sep. 9, 2014  | Kerry Schwartz, Associate Specialist, Arizona Cooperative Extension, and Director of Arizona Project WET, the University of Arizona   | Grounding Water: An Exploration of the Unseen World Beneath Our Feet  |
| Sep. 12, 2014 | James Pittman, Senior Consultant and Ecological Economist, Earth Economics  | Natural Capital in the Colorado River Basin: Understanding the Economic Value of Ecosystems as Assets                             |
| Sep. 19, 2014 | Sharona Sokolow, MPH, Doctoral Candidate, UCLA Fielding School of Public Health Sciences  | Findings From a Health Impact Assessment of California Urban Water Conservation Alternatives                                      |
| Oct. 8, 2014  | Dave Goodrich, Research Hydraulic Engineer, USDA-Agricultural Research Service, Southwest Watershed Research Center/ Associate Adjunct Professor, Univ. of Arizona Dept. of Hydrology and Water Resources | Ecosystem Valuation in Southwest Riparian Areas   |
| Oct. 29, 2014 | Claire Zugmeyer, Ecologist, Santa Cruz River Initiative   | Tracking Wetland Conditions of an Effluent-Dependent River: The Lower Santa Cruz Living River Project                             |
| Nov. 12, 2014 | Diana D. Glawe, Ph.D., PE, LEED AP Associate Professor, Engineering Science Dept., Trinity University   | Condensate Collection in Arizona? (Webinar Format)  |
| Dec. 4, 2014  | James Leenhouts, Director, USGS Arizona Water Science Center  | Surface Water/Groundwater Interactions in Arizona: Physical Realities and Experiences in the Real World                           |
| Dec. 12, 2014 | Professor Brian Berkowitz, Head, Department of Earth & Planetary Sciences, Weizmann Institute of Science—Rehovot, Israel, Sam Zuckerberg Professorial Chair in Hydrology                                  | HARD TO SWALLOW: Ensuring safe drinking water for our communities   |

## Section 5-WRRC-WSP Co-Sponsored Events

| Identification                      | Title  | Date              | Feature  | Co-sponsors   |
|-------------------------------------|--|-------------------|--|---|
| Meeting                             | RSPN Spring Meeting  | May 15, 2014      | 1) Integrating Innovative Green Development Practices in Pima County: A discussion about Green Infrastructure and Pima County's Low Impact Design Manual; 2) Connecting the C2E Drops: Tracing Water Use from the Tap to the Landscape; 3) Why a Water Harvesting Assessment Toolbox (WHAT)? |   |
| Meeting                             | RSPN Fall Meeting  | Oct. 30, 2014     | 1) The Sustainable Cities Network: The Benefits of Collective Sharing and Creating Opportunities; 2) Downtown & District Revitalization: Developing Sustainable Placemaking Environments; 3) Drywells: An Unconventional Means of Onsite Stormwater Management in Central Arizona            |   |
| Lecture                             | WSP Distinguished Speaker Series                                   | Jan. 30, 2014     | Stanley Pollack, Assistant Attorney General, Navajo Nation Department of Justice; Little Colorado River: Failure of the Settlement and the Triumph of Social Media   | James E. Rogers College of Law  |
| Roundtable                          | Shared agricultural and water interests between Arizona and Israel | Feb. 18, 2014     | Menny Hesse, Minister for Agriculture and Science Affairs, Embassy of Israel, Washington, DC   |   |
| Lectures                            | WSP Distinguished Speaker Series:                                  | Mar. 27, 28, 2014 | Aaron Wolf, Professor of Geography in the College of Earth, Ocean, and Atmospheric Sciences, Oregon State University; Shared Waters: Spirituality, Conflict and Cooperation; SGD Colloquium: Water and the Arab-Israeli Peace Process  | SGD, Center for Middle Eastern Studies, Judaic Studies, Udall Center, |
| Lecture and Panel discussion        |  | Apr. 11, 2014     | Mike Young, Research Chair in Water and Environmental Policy at the University of Adelaide, Australia; Water Scarcity: Missed Opportunity?   | AREC, Westland Resources  |
| Lecture                             | WSP Distinguished Speaker Series                                   | May 8, 2014       | 3 Alice Aureli, Chief Groundwater Section, International Hydrological Programme, UNESCO 0 Years of Love for Groundwater: The Role of UNESCO in Striving for Water Security   |   |
| <b>Other Co-Sponsored Events</b>    |  |                   |  |   |
| Workshop                            |  | Jan. 1, 2014      | Transforming Research Into Practice: Finding Solutions to Arizona Water Challenges   | AZ Water Research Committee   |
| Film Screening and Panel Discussion | Screening of the Documentary, Watermark                            | Apr. 22, 2014     | Jean E. McLain moderator, Kelly Mott Lacroix panelist  | Institute of the Environment  |

|               |                        |                 |  |  |
|---------------|------------------------|-----------------|--|--|
| Festival      | Water Harvesting Event | Oct. 25th, 2014 | Homescape Harvest Home Tour and Haunted Harvest Hootenanny | Watershed Management Group, Conserve2Enhance |
| Commemoration |                        | Oct. 28, 2014   | Marybeth Carlile: A Life Well Lived and the SAWARA Legacy  |  |

## Section-6-Publications (by first author)

- Alam, M., G. Kruger, S.B. Megdal, D. Songstad, 2014, Impact of technology and policy on sustainable agricultural water use and food security, in D.D. Songstad, D.T. Tomes, J.L. Hatfield (Eds.), *Convergence of Food Security, Energy Security, and Sustainable Agriculture*, Springer Inc., New York/Heidelberg/Paris.
- Chen, A., A. Abramson, N. Becker, S. B. Megdal, 2014, A Tale of Two Rivers: Pathways for improving water management in the Jordan and Colorado River Basins, *Journal of Arid Environments* 112 (2015) 109-123. <http://dx.doi.org/10.1016/j.jaridenv.2014.05.017>.
- Delano, N., S.B. Megdal, Regional Water Management Collaboration, 2014, *The Water Report*, Issue # 121, March 15, 2014, 17-26.
- Eden, S. 2015, "Carlile/SAWARA Left Water Management Legacy," *Arizona Water Resource*, Winter 2015.
- Eden, S, M. Efrein, and L. Radonic, 2014, *What is the Value of Water? A Complex Question*, Arroyo, 2014.
- Ghrai, A, O. Al Mashaqbeh, S.B. Megdal, 2014 Performance of Grey Water Pilot Plant Using a Multi-Layer Filter of Natural Materials for Agricultural Purposes in the Jordan Valley, *CLEAN - Soil, Air, Water* 42: 1-9, 2014; DOI: 10.1002/clen.201300488.
- Lien, A.M, K.M. Lacroix, K. Banister, S.B. Megdal, 2024, *Using Watershed Assessments to Inform Planning for Rural Watersheds*, Arizona Cooperative Extension Publication, No. 1637, July 2014, 9 pp. <http://extension.arizona.edu/pubs/using-watershed-assessments-inform-planning-rural-watersheds>
- McLain, J.E., 2014, Book Review, *The Human Impact on the Natural Environment: Past, Present and Future*, 7th Edition, Crop Science Society of America, published online, <https://www.crops.org/publications/book-reviews/view/63>.
- Megdal, S.B., P. Dillon, K. Seasholes, 2014, Water banks: Using managed aquifer recharge to meet water policy objectives, *Water* 6, no. 6: 1500-1514. <http://www.mdpi.com/2073-4441/6/6/1500>.
- Megdal, S.B. 2014, *Complex Water Management Issues Require Thorough and Ongoing Dialogues*, *Arizona Water Resource*, Summer 2014.
- Megdal, S.B., 2014, *Collaborative Efforts Yield Numerous Publications*, *Arizona Water Resource*, Fall 2014.
- Megdal, S.B., 2014, *Facing an Uncertain Colorado River Water Future*, NARDeP Policy Brief 20, National Agricultural & Rural Development Policy Center, June 2014. [http://www.nardep.info/uploads/Brief20\\_UncertainColoradoRiver.pdf](http://www.nardep.info/uploads/Brief20_UncertainColoradoRiver.pdf)
- Megdal, S.B., 2014, *Learning Globally, Acting Locally*, *Arizona Water Resource*, Spring 2014.
- Megdal, S.B., 2014, *The role of the public and private sectors in water provision in Arizona, USA*," in *The Future of Public Water Governance: Has Water Privatization Peaked?*, Christopher A. Scott and Bernard de Gouvello, eds., Routledge Special Issues on Water Policy and Governance Series, Taylor and Francis, ISBN-13: 9780415713139. February 2014. (Reprint of article previously published in *Water International*.)
- Megdal, S.B., 2014, *A Conversation with Another Water Expert: Sharon Megdal – Extended discussion on water must include our environmental concerns*," by Julie Murphree, *Arizona Agriculture*, Official Publication of the Arizona Farm Bureau, February, 2014 Volume 67 No. 2. Available [www.azfr.org](http://www.azfr.org).
- Megdal, S.B., 2014, *Tucson's Groundwater Recharge – Storage and Recovery Approach*, Case Study Box (p.101), in *Managing Water for Future Cities*, ENV/EPOC/WPBWE(2014)5, Organisation for Economic Co-operation and Development (OECD), Draft Report dated 14 November 2014, discussed at the Water Governance Initiative of the OECD, November 25, 2014. Based on "Case Study of the City of Tucson, Arizona USA", Sharon B. Megdal, September 2014.
- Megdal, S.B., 2015, "15 Water Wishes for 2015," *Arizona Water Resource*, Winter 2015.

Megdall, S.B., 2015, "What you should know about Arizona's water future" AZ Central, January 2, 2015; <http://www.azcentral.com/story/opinion/op-ed/2015/01/02/arizona-water-future/21129377/>

Megdall, S.B., 2015, Water resources group welcomes a forum, Letter to the Editor, Arizona Daily Star, p. A7, February 3, 2015.

Megdall, S.B., 2015, Soak it in: Water is scarce, but by staying informed, Arizonans can do their part of avert a crisis, Arizona Republic, January 3, 2015. On line version: "What you should know about Arizona's water future." <http://www.azcentral.com/story/opinion/op-ed/2015/01/02/arizona-water-future/21129377/>

Megdall, S.B., 2015, Commentary, Water Resource Management Challenges in a Time of Changing Climate, Institute on Science for Global Policy, Climate Change Arctic Program: Living with Less Water, Tucson, Arizona.

Megdall, S.B. and P. Dillon, 2015, Policy and economics of managed aquifer recharge and water banking, in Megdall, S.B., & Dillon, P. (Eds.), [Special Issue on Policy and Economics of Managed Aquifer Recharge and Water Banking], *Water* 7(2), pp. 592-598. doi: 10.3390/w7020592.

Megdall, S.B., A.K. Gerlak, R.G. Varady, and L. Huang, 2014, Groundwater Governance in the United States: Common Priorities and Challenges, *Groundwater*, first published online 18 November 2014 DOI: 10.1111/gwat.12294.

Mott Lacroix, K. and S.B. Megdall, 2014, Getting beyond dots on a map: Collaborative science and scenario planning in the Upper Gila River Watershed, in Christopher Peacock, (Ed.), *Damned if We Don't – Ideas for Accelerating Change Around Water*, Water Anthology Press.

Mott Lacroix, K., B.C. Xiu, J. Nadeau, and S.B. Megdall, 2014, Synthesizing environmental flow needs data for water management in a water-scarce state: The Arizona Environmental Water Demands Database, *River Research and Applications*, Advance online publication. doi: 10.1002/rra.2858

Mott Lacroix, K., C. Rupprecht, and C. Fullerton, 2014, Water Primer for the Town of Clarkdale, Water Resources Research Center, February 1, 2014.

Murphy, J., 2014, A conversation with another water expert: Sharon Megdall – Extended discussion on water must include our environmental concerns, *Arizona Agriculture*, 67(2), pp. 1-8. [http://issuu.com/arizonaagriculture/docs/306030\\_azfb\\_nl\\_lr\\_/1](http://issuu.com/arizonaagriculture/docs/306030_azfb_nl_lr_/1)

Rupprecht, C., S.B. Megdall, B.C. Xiu, and K.M. Lacroix, 2014, Conserve2Enhance: Bridging voluntary water conservation and community-driven environmental enhancement, in Christopher Peacock, (Ed.), *Damned if We Don't – Ideas for Accelerating Change Around Water*, Water Anthology Press.

Schlievert, J. and K. Schwartz, 2014, Arizona Project WET Launches Smartphone Discovery Program in Phoenix, UA Press, May 5, 2014.

Schwartz, K., 2014, Abstract published in the 2014 American Institute of Professional Geologists and Arizona Hydrological Society National Conference Program - Water and Rocks: The Foundation of Life, September 13-26, Prescott, Arizona.

Shamir, E., S.B. Megdall, C. Carrillo, C.L. Castro, H. Chang, K. Chief, F.E. Corkhill, S. Eden, K.P. Georgakakos, K.M. Nelson, and J. Prietto, 2015, Climate change and water resources management in the Upper Santa Cruz River, Arizona, *Journal of Hydrology* 521, pp. 18-33. doi: 10.1016/j.jhydrol.2014.11.062

Shamir, E., C. Carrillo, C. Castro, H. Chang, S.B. Megdall, S. Eden and J. Prietto, Water resources vulnerability to climate change in the Upper Santa Cruz River, Arizona. In: Ames, D.P., Quinn, N.W.T., Rizzoli, A.E. (Eds.), *Proceedings of the 7th International Congress on Environmental Modelling and Software*, San Diego, California, USA. June 15-19, 2014, ISBN: 978-88-9035-744-2.

Yang, Y., X. Bi, P. Westerhoff, K. Hristovski, and J. McLain, 2014, Engineered nanomaterials either inhibit or improve biological carbon conversion in soils, *Environmental Engineering Science*, 31: 381-392. DOI: 10.1089/ees.2013.0421

## Section 7-Presentations (by chronological order)

- January 10, 2014, McLain, Jean E. for Sharon B. Megdal, J.E., New Innovation Prize Planning Meeting, Phoenix, AZ.
- January 14, 2014, Lacroix, Kelly, Good to the Last Drop? Challenges and Opportunities for Water Management , College of Science: Science Café, Tucson, AZ
- January 14, 2014, McLain, Jean .E., Forum on Strengthening International Research Collaborations, The Office of the Senior Vice President for Research and the Office of the Vice President for Global Initiatives, University of Arizona, Tucson, AZ.
- January 15, 2014, Megdal, Sharon B., Transforming Research Into Practice: Finding Solutions to Arizona Water Challenges, AZ Water Research Committee in Association with the University of Arizona WRRC, Tempe, AZ.
- January 23, 2014, Xiu, Brittany, On The Challenges And Opportunities Facing Arizona's Water Future, Prescott College, Prescott, AZ.
- January 24, 2014, Xiu, Brittany, SWES 195A Careers in Environmental Science, University of Arizona, Tucson, AZ.
- January 29, 2014, Megdal, Sharon B., Tucson Association of Realtors at the Realtors Building in Tucson, Tucson, AZ
- January 29, 2014, Megdal, Sharon B., Water Sustainability Forum, Skyline Country Club, Tucson, AZ.
- January 29, 2014, McLain, Jean E., Microbial indicators and onsite wastewater treatment systems: what do we really know? 2014 Southwest On-site Wastewater Conference, Laughlin, NV.
- February 5, 2014, McLain, Jean E., How to construct an effective presentation: it's not as hard as you think! SWES696a, University of Arizona, Tucson, AZ.
- February 6, 2014, Xiu, Brittany C., Conserve to Enhance Water Use Dashboard, Southern Arizona Green for All, Tucson, AZ
- February 13, 2014, Lacroix, Kelly M., Water for the Environment in a Changing Climate, RNR 550: Climate Change Adaptation, Tucson, AZ
- February 14, 2014, Lacroix, Kelly M., Rupprecht, Candice, and Xiu, Brittany, Water RAPIDS: Research and Stakeholder Engagement, Arizona Water Policy, Tucson, AZ
- February 14, 2014, Mott Lacroix, Kelly, Water RAPIDS: Research and Stakeholder Engagement, OLLI WRRC Short Course, Green Valley, AZ
- February 17, 2014, McLain, Jean E., Antibiotic resistance and reclaimed municipal wastewater: is there a link? USDA-ARS US Arid-Land Agricultural Research Center Seminar Series, Maricopa, AZ.
- February 18, 2014, Xiu, Brittany C., California Water 101 Conference, Davis, CA
- February 26, 2014, McLain, J. E., OLLI Green Valley, Public Health and Environmental Safety of Reclaimed Municipal Wastewater: Current Research. WRRC Spring Water Class, University of Arizona, Tucson, AZ
- March 3, 2014, Megdal, Sharon B., panelist, The Green Valley Water Forum on the Central Arizona Project (CAP) - Its future As A Sustainable Water Source for Green Valley/Sahuarita, Green Valley, Arizona [https://dl.dropboxusercontent.com/u/258239/Megdal\\_GV\\_3March2014.pptxSeminar](https://dl.dropboxusercontent.com/u/258239/Megdal_GV_3March2014.pptxSeminar)
- March 4, 2014, Mott Lacroix, Kelly, Scenario Planning and How our Resources are Changing, Conserve to Enhance: an innovative program that links water efficiency with environmental enhancements, Scenario Planning for the Gila Watershed Workshop 1, Safford, Arizona
- March 4, 2014, Rupprecht, Candice, Xiu, Brittany C., Community Enhancement Project Grant Workshop, Tucson C2E Grant Workshop, Tucson, Arizona
- March 5, 2014, Rupprecht, Candice, Xiu, Brittany C., Conserve To Enhance (C2E): An Innovative Program That Links Water Efficiency with Environmental Enhancements, U.S. Bureau of Reclamation, Phoenix Area Projects Office, Phoenix, Arizona
- March 7, 2014, Mott Lacroix, Kelly and Brittany C. Xiu, Perspectives on Water for Natural Areas, Workshop on the Future of Water for Natural Areas, Tucson, Arizona
- March 11, 2014, Megdal, Sharon B., Technology and Cooperation, Israeli and Palestinian Waterways Conference, University of California, Berkeley, Institute for Jewish Law and Israel Studies, Berkeley, CA
- March 14, 2014, Megdal, Sharon B., How Full is Our Water Glass?, Alumni Council, John and Doris Norton School of Family and Consumer Science, University of Arizona, Tucson, Arizona
- March 26, 2014, Xiu, Brittany C., C2E for Panda Express Regional Managers, Casa Grande, Arizona



March 27-28, 2014, McLain, Jean E. and Todd McOmber, Is Treated Wastewater Effluent Improving the Water Quality of the Upper Santa Cruz River? Sonoran Institute at the Joel D. Valdez Downtown Library, Tucson, Arizona

March 31, 2014, McLain, Jean E., Rainwater Harvesting from Tucson Rooftops: Can We Promote Water Conservation and Protect Public Health? Pima Association of Governments Seminar Series, Tucson, Arizona

March 31, 2014, McLain, Jean E., Antibiotic Resistance and Recycled Municipal Wastewater, Pima Association of Governments Seminar Series, Tucson, Arizona

April 1, 2014, Rupprecht, Candice and Brittany C. Xiu, The Conserve to Enhance Water Use Dashboard: A Free Tool for Tracking Water Use and Funding Community Water Priorities, American Water Works Association Sustainable Water Management Conference, Denver, Colorado

April 8, 2014, Mott Lacroix, Kelly, The Forgotten Sector: Water for Natural Areas, WRRRC 2014 Annual Conference, Closing the Gap Between Water Supply and Demand, Tucson, Arizona

April 10, 2014, McLain, Jean E., Building A Water Tech Cluster Building Water Technology Proficiency and Instrumentation in Pima County, Pima Association of Governments, Tucson, Arizona

April 11, 2014, McLain, Jean E., A Demonstration of Water Quality Testing to Promote UA Water Quality Extension, Wildcat Water Lab, Expo of Excellence University of Arizona, Tucson, Arizona

April 12, 2014, Rupprecht, Candice, C2E – Table Display, 20th Annual Reid Park Earth Day Festival, Tucson, Arizona

April 16, 2014, Mott Lacroix, Kelly, Water Challenges in the Cienega Watershed, Academy Village Presentation, Vail, Arizona

April 17, 2014, Mott Lacroix, Kelly and Brittany C. Xiu., Perspectives on Water for Natural Areas, EnWaP Roundtable, Workshop on the Future of Water for Natural Areas, Phoenix, Arizona

April 18, 2014, Rupprecht, Candice and Brittany C. Xiu, C2E – Table Display, UAMC University Campus 4th Annual Earth Day Festival, Tucson, Arizona

April 19, 2014, McLain, Jean E., A Long and Winding Road: Lessons Learned Along the Way, Women in Science and Engineering 8th Annual Excellence in Science and Engineering Banquet, Tucson, Arizona

April 22, 2014, Mott Lacroix, Kelly, panelist, Watermark Documentary Panel, Loft Cinema, Tucson, Arizona

April 22, 2014, McLain, Jean E., moderator, Watermark Documentary Panel, Loft Cinema, Tucson, Arizona

April 23, 2014, Xiu, Brittany C., Good to the last drop: Water Challenges in the Colorado River Basin, Ventana Medical Systems, Oro Valley, Arizona

April 26, 2014, Schwartz, Kerry, Watershed Education for Teachers & Students, using Arizona Project WET, Patagonia Festival Speaker Series, Patagonia Town Council chambers, Patagonia, Arizona

May 5, 2014, Megdal, Sharon B., Groundwater Management and Governance: A Policy Perspective, National Ground Water Association Annual Summit, Denver, Colorado

May 7, 2014, Megdal, Sharon B., A Look at Arizona Groundwater Management and Governance through the Lens of World-wide Efforts to Identify Best Practices, AZ Water Annual Conference, Glendale, Arizona

May 8, 2014, Eden, Susanna, Engaging Stakeholders with Models for Water Resource Planning, AZ Water Association Annual Conference, Glendale, Arizona

May 8, 2014, Rupprecht, Candice and Brittany C. Xiu, C2E- Tabling, Cooperative Extension 100th Anniversary Celebration, Tucson, Arizona

May 9, 2014, Rupprecht, Candice and Brittany C. Xiu, convenors, Atturbury Wash Dedication Event, Tucson, Arizona

May 12, 2014, Megdal, Sharon B., The Context for Research on Water Management Conflicts and Cooperation in Arizona and the Colorado River Basin, BLUEGRASS project kickoff meeting, Interdisciplinary and Global Environmental Studies, CNRS, The University of Arizona, Tucson, Arizona

May 15, 2014, Rupprecht, Candice, Connecting the C2E Drops: Tracing Water Use from the Tap to the Landscape, Rainwater-Stormwater Professionals Network (RSPN) Semi-Annual Meeting, Tucson, Arizona

May 16, 2014, Mott Lacroix, Kelly and Brittany C. Xiu, EnWaP, Perspectives on Water for Natural Areas, Workshop on the Future of Water for Natural Areas, Flagstaff, Arizona

May 17, 2014, Xiu, Brittany C., Good to the last drop: Water Challenges in the Colorado River Basin, WRAN Training Workshop, Flagstaff, Arizona

May 18-20, 2014, McLain, Jean E., Separating Science from Emotion in Public Health-Related Perceptions of Recycled Water: A Case Study of Flagstaff, Arizona, a Summarizing Initial Results from the Flagstaff City Manager's Expert Panel on Emerging Contaminants, 18th Annual Water Reuse and Desalination Research Conference, Las Vegas, Nevada

May 21, 2014, Mott Lacroix, Kelly and Brittany C. Xiu, Perspectives on Water for Natural Areas, Workshop on the Future of Water for Natural Areas, Yuma, Arizona

May 21, 2014, Rupprecht, Candice, Conserve to Enhance Water Use Dashboard, C2E Webinar for the Western Rivers Action Network

June 2, 2014, Rupprecht, Candice, C2E Wateruse Dashboard, Where Does My Conserved Water Go? Ensuring Tucson's Water Conservation Efforts Benefit Our Community, River Rally 2014, Pittsburgh, Pennsylvania

June 2, 2014, Rupprecht, Candice, Where Does My Conserved Water Go? Ensuring Tucson's Water Conservation Efforts Benefit Our Community, Women Impacting Tucson, Tucson, Arizona

June 3, 2014, Megda, Sharon B., WRRRC's Approach to Stakeholder-Involvement, Solution-Oriented Water Research, CNRS, Paris

June 6, 2014, Rupprecht, Candice, Conserve to Enhance Water Use Dashboard, Ventana Medical Systems Green Team, Tucson, Arizona

June 11, 2014, Mott Lacroix, Kelly and Ashley Hullinger, Scenario Planning Update, Gila Watershed Planning Meeting and Steering Committee Meeting, Safford, Arizona

June 14, 2014, Mott Lacroix, Kelly, and Brittany C. Xiu, Perspectives on Water for Natural Areas, EnWaP Webinar for the Western Rivers Action Network, AMWUA, Phoenix, Arizona

June 18, 2014, Mott Lacroix, Kelly, Stakeholder Engagement in Water Resource Management, UCOWR Boston, Massachusetts

June 19, 2014, Megdal, Sharon B., Water Management Innovations in Water-Scarce Regions, United Nations NGO Briefing, Every Drop of Water Makes a Difference, New York City, New York

June 18, 2014, Megdal, Sharon B., Decentralized use of grey water and treated wastewater for agriculture in the Middle East, UCOWR-NIWR-CUASHI 2014 Annual Conference, USDA Track, Boston, Massachusetts

June 26, 2014, Mott Lacroix, Kelly, Rupprecht, Candice, Fullerton, Christopher, conveners, Forum on Water Management for Small Towns, Clarkdale, Arizona

July 1, 2014, Megdal, Sharon B., What is the Potential for IWRM in the Practice of Water Management in Arizona? American Water Resources Association Summer Specialty Conference on Integrated Water Resources Management, Reno, Nevada

July 14, 2014, Rupprecht, Candice and Brittany C. Xiu, Conserve to Enhance Water Use Dashboard, Prescott Tri-NGO C2E Presentation, Prescott, Arizona

July 16, 2014, Rupprecht, Candice, Connecting Conservation and Community Action: The Conserve to Enhance Water Use Dashboard, Advanced Water Education Workshop: Using Technology to Better Understand (and contribute to) our World, Tempe, Arizona

July 18, 2014, Rupprecht, Candice and Brittany C. Xiu, Conserve to Enhance Water Use Dashboard, Statewide Water Conservation Info Share, Flagstaff, Arizona

August 5-8, 2014, McLain, Jean B., Antibiotic Resistance in Agroecosystems: State of the Science, Biosphere 2, Tucson, Arizona

August 13, 2014, Megdal, Sharon B., Colorado River and Tucson Water Issues, Green Chamber, Tucson, Arizona

August 26, 2014, Mott Lacroix, Kelly, Participatory Watershed Assessment Poster, Desert Landscape Conservation Cooperative CMQ1, Sante Fe, New Mexico

August 26, 2014, Mott Lacroix, Kelly, Environmental Water Demands Database Poster, Desert Landscape Conservation Cooperative CMQ1, Sante Fe, New Mexico

August 26, 2014, Schwartz, Kerry, Stormwater Education with Arizona Project WET, STORM Meeting, Maricopa Flood Control District, Phoenix, Arizona.

August 29, 2014, Mott Lacroix, Kelly, Stakeholder Engagement, ARLS Annual Meeting, Tucson, AZ

September 4, 2014, Xiu, Brittany C., Conserve to Enhance Water Use Dashboard & Toolkit, Colorado WRAN/Audubon, Webinar

September 10, 2014, Megdal, Sharon B., JNF Tree of Life Award Dinner, Pittsburgh, PA, Keynote Address: Water Management Innovations in Water-Scarce Regions

September 10, Mott Lacroix, Kelly, Considering Water for the Environment in Arizona through Understanding Science, Policy & Water User Perspectives. International Boundary and Water Commission Citizen Forum Meeting, Yuma, Arizona

September, 10, Xiu, Brittany C., Water RAPIDS: Research and Stakeholder Engagement, Department of Soils, Water and Environmental Science Careers Class guest lecture , Tucson, AZ

September 18, 2014, Eden, S., International Boundary and Water Commission, Southeast Arizona Citizens Forum, Groundwater, Climate and Stakeholder Engagement (GCASE) Update

September 18, 2014, Megdal, Sharon B., Women's Salon Series, Tucson, AZ, How Full is Our Water Glass?

September 20, 2014, Megdal, Sharon B., Flinn-Brown Civic Leadership Academy, Tucson, AZ, Water Dialogue: Questions and Conversation

September 27, 2014, Mott Lacroix, Kelly and Brittany C. Xiu, Roadmap for Considering Water for Arizona's Natural Areas, WRRRC Webinar

October 2, 2014, Mott Lacroix, Kelly, On the Ground: Collaboration for Riparian Protection and Restoration, Arizona Riparian Council Annual Meeting, Tucson, AZ

October 3, 2014, Mott Lacroix, Kelly, Roadmap for Water for Arizona's Natural Areas Poster, Arizona Riparian Council Annual Meeting, Tucson, AZ

October 6, 2014, Megdal, Sharon B., American Society of Animal Science and American Meat Science Association Innovate 2014: Global Food Security, Brainerd, MN, Water Supply and Demand Imbalances and the Competition for Water Resources

October 6, 2014, Xiu, Brittany C., Tucson Village Farms Water Partnership Dedication, Tucson Village Farms, Tucson, AZ

October 10, 2014, McLain, J.E., 5th Annual University of Arizona Food Safety Consortium Conference, Tucson, Arizona, Separating science from emotion in public health-related perceptions of recycled water using a One Health Model.

October 10, 2014, Xiu, Brittany, WaterSmart Innovations 2014 in Las Vegas, NV, The C2E Water Use Dashboard: [http://prezi.com/lxhehcrbqi5/?utm\\_campaign=share&utm\\_medium=copy&rc=ex0share](http://prezi.com/lxhehcrbqi5/?utm_campaign=share&utm_medium=copy&rc=ex0share)

October 15, 2014, Megdal, Sharon B., Panel on new Book, Des Moines, Iowa

October 17, 2014, Xiu, Brittany C., Conserve2Enhance program and C2E Dashboard, Flagstaff Open Space Symposium, Flagstaff, AZ

October 21, 2014, Megdal, Sharon B. Symposium on Arid Lands Agriculture, Panel on Technologies and the Politics of Water, Tucson, AZ. Water Management Challenges and Solutions in Water-Scarce Regions: Focus on Agriculture

October 21, 2014. Megdal, Sharon B., International Conference on the Rehabilitation of the Lower Jordan River (Phase A) and the Development of the Border Region Between the State of Israel and the Hashemite Kingdom of Jordan along the Jordan River, Keynote Lecture, Thirsty Rivers in Water-Scarce Regions: Experiences from the Colorado River, Kibbutz Nir David, Jordan Valley, Israel

October 25, 2014, McLain, Jean E., Expanding Your Horizons Conference, Sponsored by Women in Science and Engineering, Tucson, AZ, Keynote Address

October 25, 2014, Xiu, Brittany C., C2E, Harvest Home Tours Table, Tucson, AZ

October 25, 2014, Xiu, Brittany C., C2E, Haunted Harvest Hootnany Table, Tucson, AZ

October 27, 2014, Mott Lacroix, Kelly, Water RAPIDS and the Roadmap, Arizona Department of Water Resources, Phoenix, Arizona

November 1, 2014. Megdal, Sharon B., Water Management Challenges of Water-Scarce Regions: Focus on Israel and Jordan, Center for Middle Eastern Studies teachers' program, Environmental Issues in Latin America and the Middle East, Biosphere II, Tucson, Arizona.

November 3-6, 2014. Megdal, Sharon B., B. Haggard, and E. Greene, Poster Presentation, USGS and NIWR – A Model Partnership, American Water Resources Association Annual Conference, Tyson's Corner, Virginia.

November 4, 2014, Megdal, Sharon B., Stakeholder Engagement Practices of the Arizona Water Resources Research Center, Special Session on the 50th Anniversary of the Water Resources Research Act, American Water Resources Association Annual Conference, Tyson's Corner, Virginia.

November 4, 2014, Megdal, Sharon B., An Overview of the Water Resources Research Act and the National Institutes for Water Resources (NIWR), Special Session on the 50th Anniversary of the Water Resources Research Act, American Water Resources Association Annual Conference, Tyson's Corner, Virginia

November 7, 2014, Megdal, Sharon B., Panelist, Agriculture, Water and Families, CALS and the Norton Legacy, The Norton School of Family and Consumer Science Council of Alumni and Friends Annual Homecoming Luncheon and Awards, The University of Arizona, Tucson, Arizona

November 7, 2014, Schwartz, Kerry and Mary Ann Stoll, Give Up Control. Embrace Freedom! ASTA Conference, NAU Phoenix Campus, Phoenix, Arizona.

November 7, 2014, Wilkening, Betsy, Google Tools, Improving Geo-Literacy and Critical Thinking Skills, sponsored by Tucson Water, ASTA Conference, NAU Phoenix Campus, Phoenix, Arizona

November 10, 2014, Megdal, Sharon B., Contributing to a Transatlantic Dialogue on Water: Solutions Development and Implementation, 5th SWAN Progress Meeting-Workshop, Towards a Framework for a Transatlantic Dialogue on Water: What Role for The University of Arizona, Tucson, Arizona

November 14, 2014, Megdal, Sharon B., Arizona's Water Future, Morrison Institute for Public Policy State of Our State Conference, Phoenix, Arizona

November 17, 2014. Megdal, Sharon B., and E. Shamir, Connecting Climate Change and Surface Water Flows to Aquifer Recharge and Groundwater Management, Drylands, Deserts and Desertification Conference, Ben Gurion University of the Negev, Israel

November 20, 2014. Megdal, Sharon B., Transboundary Aquifer Assessment at the United States-Mexico Border, Drylands, Deserts and Desertification Conference, Ben Gurion University of the Negev, Israel

November, 24, 2014. Megdal, Sharon B., Stakeholder Engagement and Improving Governance and Management of Water Resources, 4th Meeting of the OECD Water Governance Initiative, Paris, France

December 7, 2014. Megdal, Sharon B., Water Management Innovations in Water Scarce Regions Hadassah Southern Arizona luncheon, Tucson, Arizona

December 8, 2014, Megdal, Sharon B., Water Management Challenges and Solutions in Water-Scarce Regions: Focus on Agriculture, Women in Agriculture visitors from Pakistan, Tucson, Arizona

## Section 8-Arizona Project Wet Presentations

| Date      | Title                               | Presenter/Contact    | Location                                       |
|-----------|-------------------------------------|----------------------|--|
| 6-Jan-14  | Groundwater Flow Model Presentation | Betsy Wilkening      | Booth-Fickett K-8 School, Tucson, AZ           |
| 6-Jan-14  | Groundwater Flow Model Presentation | Betsy Wilkening      | Kellond Elementary School, Tucson, AZ          |
| 6-Jan-14  | Water Scene Investigators           | Holly Thomas-Hilburn | Arizona Science Center, Phoenix, AZ            |
| 6-Jan-14  | Water Savers Mystery Box            | Holly Thomas-Hilburn | Arizona Science Center, Phoenix, AZ            |
| 7-Jan-14  | Groundwater Flow Model Presentation | Betsy Wilkening      | Cavett Elementary School, Tucson, AZ           |
| 15-Jan-14 | Groundwater Flow Model Presentation | Holly Thomas-Hilburn | Tempe High School, Tempe, AZ                   |
| 15-Jan-14 | Groundwater Flow Model Presentation | Betsy Wilkening      | Grijalva Elementary School, Tucson, AZ         |
| 16-Jan-14 | Groundwater Flow Model Presentation | Betsy Wilkening      | Roskrige Elementary School, Tucson, AZ         |
| 16-Jan-14 | Groundwater Flow Model Presentation | Betsy Wilkening      | Walter Douglas Elementary School, Tucson, AZ   |
| 17-Jan-14 | Water Savers Mystery Box            | Holly Thomas-Hilburn | Norterra Canyon Elementary School, Phoenix, AZ |
| 21-Jan-14 | Groundwater Flow Model Presentation | Betsy Wilkening      | Dietz Elementary School, Tucson, AZ            |
| 22-Jan-14 | Groundwater Flow Model Presentation | Betsy Wilkening      | Laguna Elementary School, Tucson, AZ           |
| 22-Jan-14 | Groundwater Flow Model Presentation | Betsy Wilkening      | Canyon del Oro High School, Oro Valley, AZ     |
| 23-Jan-14 | Groundwater Flow Model Presentation | Betsy Wilkening      | Canyon del Oro High School, Oro Valley, AZ     |
| 23-Jan-14 | Groundwater Flow Model Presentation | Betsy Wilkening      | Van Buskirk Elementary School, Tucson, AZ      |
| 24-Jan-14 | Groundwater Flow Model Presentation | Betsy Wilkening      | Imago Dei Elementary School, Tucson, AZ        |

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| 27-Jan-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Grijalva Elementary School, Tucson, AZ  |
| 27-Jan-14 | Groundwater Classroom Presentation<br>(part of Casa Grande Water Festiva Unit)                              | Tina Sleeper         | Cholla Elementary, Casa Grande, AZ  |
| 29-Jan-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Grijalva Elementary School, Tucson, AZ  |
| 30-Jan-14 | Water Savers Mystery Box  | Holly Thomas-Hilburn | Youngker High School, Buckeye, AZ   |
| 3-Feb-14  | Groundwater Flow Model Presentation   | Betsy Wilkening      | Robison Elementary School, Tucson, AZ   |
| 6-Feb-14  | Groundwater Flow Model Presentation   | Betsy Wilkening      | Sewell Elementary School, Tucson, AZ  |
| 6-Feb-14  | Groundwater Flow Model Presentation   | Betsy Wilkening      | Sunrise Drive Elementary School,<br>Tucson, AZ  |
| 10-Feb-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Soleng Tom Elementary School, Tucson,<br>AZ   |
| 10-Feb-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Utterback Middle School, Tucson, AZ   |
| 13-Feb-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Ironwood Elementary School, Tucson,<br>AZ   |
| 13-Feb-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Hendricks Elementary School, Tucson,<br>AZ  |
| 19-Feb-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Miles Exploratory Learning Center,<br>Tucson, AZ  |
| 19-Feb-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Lynn Urquides Elementary School,<br>Tucson, AZ  |
| 24-Feb-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Davidson Elementary School, Tucson, AZ  |
| 25-Feb-14 | Glaciers and Water Presentation   | Betsy Wilkening      | Booth-Fickett Magnet School, Tucson,<br>AZ  |
| 28-Feb-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Magee Elementary School, Tucson, AZ   |
| 3-Mar-14  | Groundwater Flow Model Presentation   | Betsy Wilkening      | Borman Elementary School, Tucson, AZ  |
| 5-Mar-14  | Groundwater Flow Model Presentation   | Betsy Wilkening      | Erickson Elementary School, Tucson, AZ  |
| 5-Mar-14  | Groundwater Flow Model Presentation   | Betsy Wilkening      | Bloom Elementary School, Tucson, AZ   |
| 6-Mar-14  | Groundwater Flow Model Presentation   | Betsy Wilkening      | Maldonado Elementary School, Tucson,<br>AZ  |
| 6-Mar-14  | Groundwater Flow Model Presentation   | Betsy Wilkening      | Pima Community College, Tucson, AZ  |
| 7-Mar-14  | Engineering Rain Barrel Presentation  | Betsy Wilkening      | Imago Dei Middle School, Tucson, AZ   |
| 10-Mar-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Magee Middle School, Tucson, AZ   |
| 11-Mar-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Mansfield Middle School, Tucson, AZ   |
| 24-Mar-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Mission View Elementary School,<br>Tucson, AZ   |
| 25-Mar-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Doolen Elementary School, Tucson, AZ  |
| 25-Mar-14 | Healthy water = Healthy Arizona<br>Presentation   | Tara Oakes           | Hermanas STEM Conference at Phoenix<br>College, Phoenix, AZ   |
| 26-Mar-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Southside Community Elementary<br>School , Tucson, AZ   |
| 27-Mar-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Walter Douglas Elementary School,<br>Tucson, AZ   |
| 27-Mar-14 | Groundwater Flow Model Presentation   | Betsy Wilkening      | Manzo Elementary School, Tucson, AZ   |
| 27-Mar-14 | The Water Scene Investigation Program:<br><i>Achieving Water Conservation and Real-<br/>world Education</i> | Kerry Schwartz       | Gilbert Riparian Preserve for the Water<br>Conservation Info Share Quarterly<br>Meeting , Gilbert, AZ |

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| 14-Apr-14      | Groundwater Flow Model Presentation  | Betsy Wilkening  | Lawrence Elementary School, Tucson, AZ           |
| 15-Apr-14      | Groundwater Flow Model Presentation  | Betsy Wilkening  | Myers-Ganoug Elementary School, Tucson, AZ       |
| 24-Apr-14      | Groundwater Presentation   | Betsy Wilkening  | Davis Elementary School, Tucson, AZ              |
| 25-Apr-14      | Groundwater Flow Model Presentation  | Danielle Chipman | Tempe High School, Tempe, AZ                     |
| 28-Apr-14      | Groundwater Flow Model Presentation  | Betsy Wilkening  | Holladay Intermediate School, Tucson, AZ         |
| 29-Apr-14      | Water Festival Volunteer Training - NHS Environmental Club   | Kerry Schwartz   | Nogales High School, Nogales, AZ                 |
| 30-Apr-14      | Presentation to Carrie Ostroski, Dorrance Foundation, Central Phoenix  | Kerry Schwartz   |  |
| 30-Apr-14      | APW Programs, for Connie Speelman, Queen Creek Water Department  | Kerry Schwartz   |  |
| 30-Apr-14      | Groundwater Flow Model Presentation  | Betsy Wilkening  | Richardson Elementary School, Tucson, AZ         |
| 1-May-14       | Groundwater Flow Model Presentation  | Betsy Wilkening  | Tully Elementary School, Tucson, AZ              |
| 2-May-14       | Groundwater Flow Model Presentation  | Betsy Wilkening  | Wheeler Elementary School, Tucson, AZ            |
| 8-May-14       | Groundwater Flow Model Presentation  | Betsy Wilkening  | Doolen Elementary School, Tucson, AZ             |
| 8-May-14       | Macroinvertebrates Presentation  | Tara Oakes       | AZ Game and Fish Department Offices, Phoenix, AZ |
| 9-May-14       | Groundwater Flow Model Presentation  | Betsy Wilkening  | Vail Middle School, Tucson, AZ                   |
| 15-May-14      | Incredible Journey Activity at Maricopa Family Science Night   | Chuck Dugan      | Maricopa Unified School District, Maricopa, AZ   |
| 14-May-14      | Groundwater Flow Model Presentation  | Betsy Wilkening  | Gridley Middle School, Tucson, AZ                |
| 15-May-14      | Groundwater Flow Model Presentation  | Betsy Wilkening  | Gridley Middle School, Tucson, AZ                |
| 19-May-14      | Groundwater Flow Model Presentation  | Betsy Wilkening  | CE Rose Elementary School, Tucson, AZ            |
| 10-Jun-14      | Local and Greater Watersheds and the Importance of Riparian Areas to the Plants and Animals of the Southwest | Pamela Justice   | Nina Mason-Pulliam Audubon Center, Phoenix, AZ   |
| 12-Jun-14      | Watershed and Groundwater Flow Model Presentation  | Betsy Wilkening  | Tucson Botanical Gardens, Tucson, AZ             |
| 16-Jun-14      | Groundwater Flow Model Presentation  | Betsy Wilkening  | Santa Rita High School, Tucson, AZ               |
| 23-28 - Jun-14 | APW Discovery Program, presented at the Sustaining the Blue Planet Water Education Conference                | Kerry Schwartz   | Big Sky, Montana                                 |
| 23-28-Jun-14   | STEM intergration with Project WET, presented at the Sustaining the Blue Planet Water Education Conference   | Kerry Schwartz   | Big Sky, Montana                                 |
| 23-28-Jun-14   | STEM Integration, table top session at the Sustaining the Blue Planet Water Education Conference             | Kerry Schwartz   | Big Sky, Montana                                 |
| 23-Jun-14      | Groundwater Flow Model Presentation  | Betsy Wilkening  | BASIS Tucson, Tucson, AZ                         |
| 24-Jun-14      | Groundwater Flow Model Presentation  | Betsy Wilkening  | University of Arizona, Tucson, AZ                |
| 2-Aug-14       | Groundwater Flow Model Presentation  | Betsy Wilkening  | Arizona-Sonora Desert Museum , Tucson, AZ        |
| 19-Aug-14      | Groundwater Flow Model Presentation  | Tara Oakes       | Canyon Valley High School, Mesa, AZ              |
| 20-Aug-14      | Groundwater Flow Model Presentation  | Betsy Wilkening  | Baboquivari Middle School, Sells, AZ             |

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| 20-Aug-14 | Groundwater Flow Model Presentation   | Carolyn Flora                      | Bright Beginnings Elementary School, Chandler, AZ   |
| 22-Aug-14 | Groundwater Flow Model Presentation   | Tara Oakes                         | Copper Trails Elementary School, Goodyear, AZ       |
| 25-Aug-14 | Groundwater Flow Model Presentation   | Tara Oakes                         | Copper Creek Elementary School, Glendale, AZ        |
| 27-Aug-14 | Groundwater Flow Model Presentation   | Carolyn Flora                      | Mesquite Elementary School, Tucson, AZ              |
| 28-Aug-14 | Groundwater Flow Model Presentation   | Tara Oakes                         | Central High School, Phoenix, AZ                    |
| 29-Aug-14 | Groundwater Flow Model Presentation   | Tara Oakes                         | Campo Verde High School, AZ                         |
| 16-Sep-14 | Arizona Project WET STEM Programs (as part of the STEM Careers – Feeding the Pipeline session at the Water and Rocks: The Foundation of Life – AIPG & AHS 2014 National Conference) | Kerry Schwartz                     | Prescott Resort and Conference Center, Prescott, AZ |
| 16-Sep-14 | Groundwater Flow Model Presentation   | Tara Oakes                         | Mountain View Elementary, Waddell, AZ               |
| 17-Sep-14 | Groundwater Flow Model Presentation   | Betsy Wilkening                    | Miles K-8, Tucson, AZ                               |
| 17-Sep-14 | Groundwater Flow Model Presentation   | Tara Oakes                         | Imagine Avondale, Avondale, AZ                      |
| 18-Sep-14 | Groundwater Flow Model Presentation   | Tara Oakes                         | Orangewood Elementary, Phoenix, AZ                  |
| 18-Sep-14 | Groundwater Flow Model Presentation   | Betsy Wilkening                    | Warren Elementary School, Tucson, AZ                |
| 19-Sep-14 | Groundwater Flow Model Presentation   | Betsy Wilkening                    | Continental Middle School, Tucson, AZ               |
| 19-Sep-14 | Groundwater Flow Model Presentation   | Tara Oakes                         | Garden Lakes Elementary, Avondale, AZ               |
| 19-Sep-14 | Water Savers Mystery Box Presentation   | Julie Hasty                        | Canyon Valley High School, Mesa, AZ                 |
| 19-Sep-14 | Water Savers Mystery Box Presentation   | Tara Oakes                         | Canyon Valley High School, Mesa, AZ                 |
| 22-Sep-14 | Groundwater Flow Model Presentation   | Tara Oakes                         | Arcadia High School, Phoenix, AZ                    |
| 23-Sep-14 | Groundwater Flow Model Presentation   | Tara Oakes                         | Arcadia High School, Phoenix, AZ                    |
| 23-Sep-14 | Groundwater Flow Model Presentation   | Betsy Wilkening                    | Wheeler Elementary School, Tucson, AZ               |
| 24-Sep-14 | Groundwater Flow Model Presentation   | Tara Oakes                         | Desert Valley Elementary School, Glendale, AZ       |
| 25-Sep-14 | Groundwater Flow Model Presentation   | Julie Hasty                        | New School for Arts and Academics, Tempe, AZ        |
| 25-Sep-14 | Groundwater Flow Model Presentation   | Betsy Wilkening                    | Booth Fickett K-8 Magnet, Tucson, AZ                |
| 29-Sep-14 | Groundwater Flow Model Lesson   | Betsy Wilkening                    | Continental Middle School, Tucson, AZ               |
| 29-Sep-14 | Groundwater Flow Model Presentation   | Julie Hasty                        | ASU Prep Polytechnic, Mesa, AZ                      |
| 30-Sep-14 | Water Savers Mystery Box Presentation   | Tara Oakes                         | Copper Trails Elementary School, Goodyear, AZ       |
| 1-Oct-14  | Engineering GPS Tracker Presentation  |                                    | Santa Rita High School, Tucson, AZ                  |
| 1-Oct-14  | Groundwater Flow Model Presentation   | Tara Oakes                         | Apache Elementary, Peoria, AZ                       |
| 2-Oct-14  | Groundwater Flow Model Presentation   | Julie Hasty                        | Champion School, Phoenix, AZ                        |
| 3-Oct-14  | Groundwater Flow Model Presentation   | Tara Oakes                         | Liberty Traditional School, Prescott Valley, AZ     |
| 7-Oct-14  | Engineering GPS Tracker Presentation  |                                    | Walter Douglas Elementary School, Tucson, AZ        |
| 9-Oct-14  | Students Drive the Use of Water Efficient Technology  | Kerry Schwartz and Betsy Wilkening | WaterSmart Innovations Conference, Las Vegas, NV    |

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| 9-Oct-14  | Teachers Work with Professionals to Understand Tucson's Water Distribution System      | Kerry Schwartz and Betsy Wilkening     | WaterSmart Innovations Conference, Las Vegas, NV                             |
| 9-Oct-14  | Long-term partnerships provide one-of-a-kind water education programs for Tucson youth | Kerry Schwartz and Roberta Lopez-Suter | WaterSmart Innovations Conference, Las Vegas, NV                             |
| 9-Oct-14  | Groundwater Flow Model Presentation  | Tara Oakes                             | Park Meadows Elementary School, Phoenix, AZ                                  |
| 10-Oct-14 | Water Savers Mystery Box Presentation  | Tara Oakes                             | Madison Meadows Elementary, Phoenix, AZ                                      |
| 13-Oct-14 | Groundwater Flow Model Lesson  | APW                                    | Vesey Elementary School, Tucson, AZ  |
| 13-Oct-14 | Groundwater Flow Model Lesson  | APW                                    | Lawrence Elementary School, Tucson, AZ                                       |
| 14-Oct-14 | Water Savers Mystery Box Presentation  | Julie Hasty                            | Oakwood Elementary, Peoria, AZ   |
| 15-Oct-14 | Groundwater Flow Model Lesson  | APW                                    | Kellond Elementary School, Tucson, AZ  |
| 15-Oct-14 | Groundwater Flow Model Presentation  | Julie Hasty                            | Summit School, Tucson, AZ  |
| 15-Oct-14 | Water Savers Mystery Box Presentation  | Tara Oakes                             | Verrado Middle School, Buckeye, AZ   |
| 16-Oct-14 | Water Savers Mystery Box Presentation  | Tara Oakes                             | Orangewood Elementary, Phoenix, AZ   |
| 17-Oct-14 | Water Savers Mystery Box Presentation  | Tara Oakes                             | Verrado Middle School, Buckeye, AZ   |
| 20-Oct-14 | Water Savers Mystery Box Presentation  | Julie Hasty                            | Summit School, Tucson, AZ  |
| 20-Oct-14 | Groundwater Flow Model Lesson  | APW                                    | Pistor Middle School, Tucson, AZ   |
| 21-Oct-14 | Groundwater Flow Model Lesson  | APW                                    | Robins Elementary School, Tucson, AZ   |
| 21-Oct-14 | Groundwater Flow Model Lesson  | APW                                    | Dietz Elementary School, Tucson, AZ  |
| 23-Oct-14 | Groundwater Flow Model Lesson  | APW                                    | Erickson Elementary School, Tucson, AZ                                       |
| 23-Oct-14 | School Water Audit Program Presentation  | APW                                    | Wilson K-8 School, Tucson, AZ  |
| 23-Oct-14 | Engineering Design Rain Barrels Lesson   | APW                                    | Safford K-8 School, Tucson, AZ   |
| 23-Oct-14 | Water Savers Mystery Box Presentation  | Tara Oakes                             | Bethune School, Phoenix, AZ  |
| 24-Oct-14 | Groundwater Flow Model Presentation  | Julie Hasty                            | Canyon Valley High School, Mesa, AZ  |
| 24-Oct-14 | Water Savers Mystery Box Presentation  | Tara Oakes                             | Garden Lakes Elementary, Avondale, AZ  |
| 27-Oct-14 | Water Savers Mystery Box Presentation  | Tara Oakes                             | Desert Valley Elementary School, Glendale, AZ                                |
| 27-Oct-14 | Water Savers Mystery Box Presentation  | Julie Hasty                            | Campo Verde High School, AZ  |
| 27-Oct-14 | Groundwater Flow Model Presentation  | APW                                    | Cavett Elementary School, Tucson, AZ   |
| 27-Oct-14 | Water Scene Investigators  | APW                                    | Hollinger K-8 School, Tucson, AZ   |
| 29-Oct-14 | Groundwater Flow Model Lesson  | APW                                    | Dietz Elementary School, Tucson, AZ  |
| 29-Oct-14 | Water Savers Mystery Box Presentation  | Tara Oakes                             | Sunset Hills Elementary School, Surprise, AZ                                 |
| 29-Oct-14 | Instructional Practices for the 21st Century Learner                                   | Kerry Schwartz                         | Arizona- Sonora Desert Museum, Tucson, AZ                                    |
| 30-Oct-14 | Groundwater Flow Model Lesson  | APW                                    | Pistor Middle School, Tucson, AZ   |
| 1-Nov-14  | 8-4-1, One for All Lesson  | APW                                    | Wetlands and Wildlife Teacher Workshop, Tucson, AZ                           |
| 1-Nov-14  | Reading the Rings Lesson   | APW                                    | University of Arizona Department of Geosciences Teacher Workshop, Tucson, AZ |



## Section 9-Arizona Project Wet Workshops

| Date         | Title   | Location  |
|--------------|---|---|
| 11-Jan-14    | Water Investigations Program Teach Workshop for 2013-14 Cohort "Communicating Student Learning" | Maricopa County Cooperative Extension Office, Phoenix, AZ           |
| 11-Jan-14    | Day 5 of the Chandler Flow of H2O Academy   | Chandler USD - Instructional Resource Center (Room 3), Chandler, AZ |
| 22-Jan-14    | Glendale Water Festival Teacher Workshop  | Don Mensendick School, Glendale, AZ                                 |
| 22-Jan-14    | Booth-Fickett Water Hotshots: "Champions for Change"  | Booth Fickett School, Tucson, AZ                                    |
| 22-Jan-14    | Booth-Fickett Water Hotshots Academy Workshop: Technology Tools for Data Acquisition            | Booth Fickett School, Tucson, AZ                                    |
| 25-Jan-14    | Booth-Fickett Water Hotshots: "School Water Audit Program"                                      | Booth Fickett School, Tucson, AZ                                    |
| 25-Jan-14    | Gilbert Water Festival Teacher Workshop   | Gilbert Public Schools, Gilbert, AZ                                 |
| 25-Jan-14    | Booth-Fickett Water Hotshots Academy Workshop   | Booth Fickett Magnet School, Tucson, AZ                             |
| 8-Feb-14     | 2013 Tucson STEM Academy Follow-up Workshop   | University of Arizona, Tucson, AZ                                   |
| 8-Feb-14     | Project WET 2.0 Guide Workshop for 1st through 4th Grade Teachers                               | Maricopa County Cooperative Extension Office, Phoenix, AZ           |
| 13-Feb-14    |   | Don Mensendick School, Glendale, AZ                                 |
| 13-Feb-14    | Casa Grande Volunteer Training  | Pinal Extension Office, Casa Grande, AZ                             |
| 13-Feb-14    | Casa Grande Volunteer Training  | Abbott Facilities, Casa Grande, AZ                                  |
| 22-Feb-14    | Southern Gila County Water Festival Workshop  | Globe Training Center, Globe, AZ                                    |
| 26-Feb-14    | Apache Junction Water Festival Teacher Workshop Part 1  | Superstition Mountain Elementary School, Apache Junction, AZ        |
| 26-Feb-14    | Glendale Water Festival Teacher Workshop  | Don Mensendick Elementary School, Glendale, AZ                      |
| 4-Mar-14     | Tucson Water Festival Teacher Workshop  | Amphitheater Public Schools District Office, Tucson, AZ             |
| 12-Mar-14    | Sahuarita Water Festival Teacher Workshop   | Sahuarita Unified Schools District Office, Sahuarita, AZ            |
| 17-Mar-14    | Florence STEM Academy Day 1   | Florence Unified School District Auditorium, Florence, AZ           |
| 20-Mar-14    | Apache Junction Water Festival Teacher Workshop Part 2  | Superstition Mountain Elementary School, Apache Junction, AZ        |
| 14-Apr-14    | Florence STEM Academy Day 2   | Florence Unified School District Auditorium, Florence, AZ           |
| 14-Apr-14    | Tucson Water Festival Volunteer Training  | James D. Kriegh Park, Oro Valley, AZ                                |
| 15-Apr-14    | Nogales High School Water Festival Training   | Nogales High School, Nogales, AZ                                    |
| 16-Apr-14    | Tucson Water Festival Volunteer Training  | University of Arizona Biosciences Building, Tucson, AZ              |
| 21-Apr-14    | Apache Junction Water Festival Volunteer Training   | Multi-Generational Center, Apache Junction, AZ                      |
| 24-Apr-14    | Maricopa Water Festival Teacher Workshop  | Maricopa Unified School District Office, Maricopa, AZ               |
| 13-May-14    | Sahuarita-Green Valley Water Festival Volunteer Training  | Sahuarita Town Hall, Sahuarita, AZ                                  |
| 29-30-May-14 | Gilbert STEM Academy  | Gilbert Southeast Regional Library, Gilbert, AZ                     |
| 2-Jun-14     | Clean Water Academy Teacher Workshop  | University of Arizona, Tucson, AZ                                   |

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| 3&5-Jun-14   | Chandler 4th Grade Academy   | Willis Junior High School, Chandler, AZ   |
| 6-Jun-14     | Arizona Project WET Teacher Professional Development Workshop                                    | Willow Bend Environmental Education Center, Flagstaff, AZ                       |
| 9-11-Jun-14  | APW chohosted the STEMAZing Teacher Workshop   | Laboratory of Tree-Ring Research, Tucson, AZ                                    |
| 11-13-Jun-14 | 2014-2015 Water Investigations Program Cohort, Unit 1 Workshop                                   | Phoenix, AZ   |
| 16-20-Jun-14 | Tucson STEM Academy  | The University of Arizona, Tucson, AZ   |
| 22-24-Jul-14 | 2014 Greater Phoenix STEM Academy  | University of Arizona Maricopa County Cooperative Extension Office, Phoenix, AZ |
| 25-Jun-14    | GK12 Heatwaves Workshop  | The University of Arizona, Tucson, AZ   |
| 16-Aug-14    | Water Investigations Program Unit 1 Workshop   | University of Arizona Maricopa County Cooperative Extension Office, Phoenix, AZ |
| 23-Aug-14    | Chandler Water Festival Teacher Workshop   | Tumbleweed Recreation Center, Chandler, AZ                                      |
| 13-Sep-14    | Water: Arizona's Liquid Gold Teach Workshop on the APW Curriculum and Activity Guide 2.0         | UA Maricopa County Copperative Extension Office, Phoenix, AZ                    |
| 15-Sep-14    | Casa Grande Water Festival Teacher Workshop Part 2   | Casa Grande Elementary District Conference Room, Casa Grande, AZ                |
| 16-Sep-14    | Water and Rocks: The Foundation of Life - AIPG & AHS 2014 National Conference Teacher Conference | Prescott Resort and Conference Center, Prescott, AZ                             |
| 20-Sep-14    | Yuma Water Festival Teacher Workshop   | City of Yuma Utilities Conference Room, Yuma, AZ                                |
| 22-Sep-14    | Verde Valley Water Festival Teacher Workshop   | Verde Room County Annex   |
| 23-Sep-14    | Verde Valley Water Festival Volunteer Training   | Yavapai County Roads Department   |
| 24-Sep-14    | Flagstaff Water Festival Volunteer Training  | Foxglenn Park, Flagstaff  |
| 29-Sep-14    | Payson Water Festival Volunteer Training   | Payson, AZ  |
| 25-Oct-14    | WIP Unit 3 workshop  | Maricopa County Extension Office, Phoenix, AZ                                   |

## Section 10-Arizona Project Wet Program Events

| Date      | Title                              | Location                                   | School                         |
|-----------|------------------------------------|--|--------------------------------|
| 6-Jan-14  | Water Audit                        | Arizona Science Center, Phoenix, AZ        | Homeschool students            |
| 7-Jan-14  | Sweetwater Wetlands Water Festival | Sweetwater Wetlands, Tucson, AZ            | White Elementary School        |
| 8-Jan-14  | Sweetwater Wetlands Water Festival | Sweetwater Wetlands, Tucson, AZ            | Vesey Elementary School        |
| 8-Jan-14  | Indoor School Water Audit          | Summit school, Ahwahtukee, AZ              | Summit School                  |
| 9-Jan-14  | Outdoor School Water Audit         | Rogers Ranch Elementary School, Laveen, AZ | Rogers Ranch Elementary School |
| 10-Jan-14 | Sweetwater Wetlands Water Festival | Sweetwater Wetlands, Tucson, AZ            | Kellond Elementary School      |
| 10-Jan-14 | Outdoor School Water Audit         | Rogers Ranch Elementary School, Laveen, AZ | Rogers Ranch Elementary School |
| 16-Jan-14 | Indoor Water Audit                 | ASU Polytechnic Campus, Mesa, AZ           | ASU Prep Middle School         |
| 17-Jan-14 | Sweetwater Wetlands Water Festival | Sweetwater Wetlands, Tucson, AZ            | Douglas Elementary School      |
| 21-Jan-14 | Indoor School Water Audit          | Griffith Elementary School, Phoenix, AZ    | Griffith Elementary School     |
| 22-Jan-14 | Indoor School Water Audit          | Champion School, Phoenix, AZ               | Champion School                |
| 24-Jan-14 | Sweetwater Wetlands Water Festival | Sweetwater Wetlands, Tucson, AZ            | Laguna Elementary School       |

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| 27-Jan-14       | Home Water Audit (performed by students)   | Esperero Canyon Middle School, Tucson, AZ   | Esperero Canyon Middle School   |
| 28-Jan-14       | Indoor School Water Audit  | Settlers Point Elementary, Gilbert, AZ      | Settlers Point Elementary       |
| 29-Jan-14       | Groundwater and Watershed Presentation (Dietz Career Day)                              | Tucson, AZ                                  | Dietz Elementary School         |
| 30-Jan-14       | Ted Walker Youth Day   | Tucson, AZ                                  |                                 |
| 30-Jan-14       | SchiTech Festival Presentation   | Senita Valley Elementary School, Tucson, AZ | Senita Valley Elementary School |
| 30-Jan-14       | Southern Gila County Water Festival Presentation (at Globe STEMFest! planning meeting) | Globe Education Center, Globe, AZ           |                                 |
| 31-Jan-14       | WIP Copper Creek Elementary Field Day  | Hassayampa River Preserve, Wickenburg, AZ   | WIP Copper Elementary School    |
| 31-Jan-14       | Sweetwater Wetlands Water Festival   | Sweetwater Wetlands, Tucson, AZ             |                                 |
| 1-Feb-14        | Sweetwater Wetlands Water Festival   | Sweetwater Wetlands, Tucson, AZ             |                                 |
| 3-Feb-14        | Indoor School Water Audit  | Norterra Canyon Elementary, Deer Valley, AZ | Norterra Canyon Elementary      |
| Feb 3-5, 2014   | Indoor School Water Audit  | Hendricks Elementary School, Tucson, AZ     | Hendricks Elementary School     |
| 4-Feb-14        | Sweetwater Wetlands Water Festival   | Sweetwater Wetlands, Tucson, AZ             | Whitmore Elementary School      |
| 5-Feb-14        | Sweetwater Wetlands Water Festival   | Sweetwater Wetlands, Tucson, AZ             | Robison Elementary School       |
| 6-Feb-14        | Indoor School Water Audit  | Youngker High School, Buckeye, AZ           | Youngker High School            |
| 7-Feb-14        | Sweetwater Wetlands Water Festival   | Sweetwater Wetlands, Tucson, AZ             | Blenman Elementary School       |
| 8-Feb-14        | FC Tucson Soccer Game Outreach   | FC Tucson Soccer Game, Tucson, AZ           |                                 |
| 11-Feb-14       | Sweetwater Wetlands Water Festival   | Sweetwater Wetlands, Tucson, AZ             | Sewell Elementary               |
| 11-Feb-14       | Davidson Science Night   | Davidson School, Tucson, AZ                 | Davidson School                 |
| 11-Feb-14       | Booth-Fickett Science Night  | Booth-Fickett Magnet School, Tucson, AZ     | Booth-Fickett Magnet School     |
| 12-Feb-14       | Sweetwater Wetlands Water Festival   | Sweetwater Wetlands, Tucson, AZ             | Grijalva Elementary School      |
| 12-Feb-14       | Indoor School Water Audit  | Greenfield Middle School, Gilbert, AZ       | Greenfield Middle School        |
| 13-Feb-14       | Rogers Ranch Field Day   | Hassayampa River Preserve, Wickenburg, AZ   | Rogers Ranch Elementary School  |
| Feb 10-14, 2014 | Drinking Water Chemistry Kits  | Canyon del Oro High School, Oro Valley, AZ  | Canyon del Oro High School      |
| 15-Feb-14       | SciFest at the Children's Museum   | Children's Museum, Tucson, AZ               |                                 |
| 18-Feb-14       | Sweetwater Wetlands Water Festival   | Sweetwater Wetlands, Tucson, AZ             | Soleng Tom Elementary           |
| 19-Feb-14       | Peoria Volunteer Training  | Peoria USD District Office, Peoria, AZ      |                                 |
| 21-Feb-14       | Casa Grande Water Festival   | Mesquite Elementary School, Tucson, AZ      | Mesquite Elementary School      |
| 25-Feb-14       | Sweetwater Wetlands Water Festival   | Sweetwater Wetlands, Tucson, AZ             | Dietz Elementary School         |
| 27-Feb-14       | Gilbert Water Festival Volunteer Training  | Gilbert Public Works, Gilbert, AZ           |                                 |
| 27-Feb-14       | Sweetwater Wetlands Water Festival   | Sweetwater Wetlands, Tucson, AZ             | Red Rock Elementary School      |

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| 14-Feb-14       | WIP Field Day - Copper Trails Elementary               | Hassayampa River Preserve, Wickenburg, AZ        | Copper Trail Elementary         |
| 20-Feb-14       | WIP Field Day - Youngker High School                   | Hassayampa River Preserve, Wickenburg, AZ        | Youngker High School            |
| 25-Feb-14       | WIP Field Day - ASU Preparatory Academy                | Rio Salado Habitat Restoration Area, Phoenix, AZ | ASU Prep Academy                |
| 26-Feb-14       | WIP Field Day - Tempe High School                      | Rio Salado Habitat Restoration Area, Phoenix, AZ | Tempe High School               |
| 27-Feb-14       | WIP Field Day - Central High School                    | Rio Salado Habitat Restoration Area, Phoenix, AZ | Central High School             |
| 28-Feb-14       | WIP Field Day - Liberty Traditional School             | Rio Salado Habitat Restoration Area, Phoenix, AZ | Liberty Traditional School      |
| 4-Mar-14        | WIP Field Day - Summit School                          | Rio Salado Habitat Restoration Area, Phoenix, AZ | Summit School                   |
| 5-Mar-14        | WIP Field Day - TG Barr School                         | Rio Salado Habitat Restoration Area, Phoenix, AZ | TG Barr School                  |
| 6-Mar-14        | Gilbert Water Festival                                 | Crossroads Park, Gilbert, AZ                     |                                 |
| 6-Mar-14        | WIP Field Day - Norterra Canyon School                 | Rio Salado Habitat Restoration Area, Phoenix, AZ | Norterra Canyon School          |
| 7-Mar-14        | WIP Field Day - Mountainside Middle School             | Rio Salado Habitat Restoration Area, Phoenix, AZ | Mountainside Middle School      |
| 7-Mar-14        | Sweetwater Wetlands Water Festival                     | Sweetwater Wetlands, Tucson, AZ                  | Lynn Urquides Elementary School |
| 11-Mar-14       | WIP Field Day - Griffith School                        | Rio Salado Habitat Restoration Area, Phoenix, AZ | Griffith Elementary School      |
| 11-Mar-14       | Sweetwater Wetlands Water Festival                     | Sweetwater Wetlands, Tucson, AZ                  | Bloom Elementary                |
| 12-Mar-14       | SARSEF Future Innovation Night                         | Tucson, AZ                                       |                                 |
| 13-Mar-14       | Southern Gila County Water Festival Volunteer Training | Miami Jr/Sr High School, Miami, AZ               | Miami Jr./Sr. High School       |
| 13-Mar-14       | Sweetwater Wetlands Water Festival                     | Sweetwater Wetlands, Tucson, AZ                  | Wheeler Elementary              |
| 13-Mar-14       | WIP Field Day - Champion School                        | Rio Salado Habitat Restoration Area, Phoenix, AZ | Champion School                 |
| 14-Mar-14       | WIP Field Day - Western Valley School                  | Rio Salado Habitat Restoration Area, Phoenix, AZ | Western Valley School           |
| Mar 15-16, 2014 | Tucson Festival of Books Booth                         | University of Arizona, Tucson, AZ                |                                 |
| 18-Mar-14       | WIP Field Day - Arlington School                       | Rio Salado Habitat Restoration Area, Phoenix, AZ | Arlington School                |
| 19-Mar-14       | WIP Field Day - Settlers Point School                  | Rio Salado Habitat Restoration Area, Phoenix, AZ | Settlers Point School           |
| 20-Mar-14       | WIP Field Day - Campo Verde High School                | Rio Salado Habitat Restoration Area, Phoenix, AZ | Campo Verde High School         |
| 20-Mar-14       | Sweetwater Wetlands Water Festival                     | Sweetwater Wetlands, Tucson, AZ                  |                                 |
| 21-Mar-14       | WIP Field Day - Campo Verde High School                | Rio Salado Habitat Restoration Area, Phoenix, AZ | Campo Verde High School         |
| 22-Mar-14       | Fix-a-Leak Fun Run Event Table                         | Rio Vista Community Park, Peoria, AZ             |                                 |
| 22-Mar-14       | Imagine Engineering Girl Scouts Event                  | Hacienda Ranch, Tucson, AZ                       | Girl Scouts                     |

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| 24-Mar-14 | Southern Gila County Water Festival Training     | Freeport-McMoRan Conference and Training Center, Globe, AZ |                                 |
| 24-Mar-14 | Sweetwater Wetlands Water Festival               | Sweetwater Wetlands, Tucson, AZ                            | Hendricks Elementary School     |
| 25-Mar-14 | Sweetwater Wetlands Water Festival               | Sweetwater Wetlands, Tucson, AZ                            | Davidson Elementary School      |
| 25-Mar-14 | Participation at the Hermanas STEM Conference    | Phoenix Community College, Phoenix, AZ                     |                                 |
| 27-Mar-14 | Southern Gila County Festival                    | Globe, AZ  |                                 |
| 27-Mar-14 | WIP Field Day - Ryan Elementary                  | Rio Salado Habitat Restoration Area, Phoenix, AZ           | Ryan Elementary                 |
| 28-Mar-14 | WIP Field Day - Bright Beginnings                | Rio Salado Habitat Restoration Area, Phoenix, AZ           | Bright Beginnings               |
| 28-Mar-14 | Sweetwater Wetlands Water Festival               | Sweetwater Wetlands, Tucson, AZ                            | Maldonado Elementary School     |
| 29-Mar-14 | Dragonfly Day                                    | Rio Salado Habitat Restoration Area, Phoenix, AZ           |                                 |
| 2-Apr-14  | WIP Field Day - Park Meadows                     | Rio Salado Habitat Restoration Area, Phoenix, AZ           | Park Meadows                    |
| 3-Apr-14  | WIP Field Day - Verrado Middle School            | Rio Salado Habitat Restoration Area, Phoenix, AZ           | Verrado Middle School           |
| 9-Apr-14  | Sweetwater Wetlands Water Festival               | Sweetwater Wetlands, Tucson, AZ                            | St. Michael's Elementary School |
| 11-Apr-14 | Expo of Excellence on University of Arizona Mall | University of Arizona, Tucson, AZ                          |                                 |
| 12-Apr-14 | Reid Park Zoo Earth Day                          | Reid Park, Tucson, AZ                                      |                                 |
| 13-Apr-14 | Spring Fling Kids Korner                         | University of Arizona Mall, Tucson, AZ                     |                                 |
| 29-Mar-14 | Program booth at Globe STEMfest!                 | Besh-Ba-Gowah Museum, Globe, AZ                            |                                 |
| 14-Apr-14 | School Water Audit                               | Booth-Fickett K-8 Magnet School, Tucson, AZ                |                                 |
| 15-Apr-14 | Sweetwater Wetlands Water Festival               | Henry Elementary School, Tucson, AZ                        | Henry Elementary School         |
| 16-Apr-14 | Sweetwater Wetlands Water Festival               | Erickson Elementary School, Tucson, AZ                     | Erickson Elementary School      |
| 17-Apr-14 | Tucson Water Festival                            | James D. Kriegh Park, Oro Valley, AZ                       |                                 |
| 17-Apr-14 | High School STEM Symposium                       | Gateway Community College, Phoenix, AZ                     | Gateway Community College       |
| 18-Apr-14 | Earth Day Event                                  | University Medical School, Tucson, AZ                      |                                 |
| 21-Apr-14 | School Water Audit                               | Booth-Fickett K-8 Magnet School, Tucson, AZ                | Booth-Fickett Magnet School     |
| 21-Apr-14 | School Water Audit                               | Richardson Elementary School, Tucson, AZ                   | Richardson Elementary School    |
| 22-Apr-14 | Sweetwater Wetlands Water Festival               | Sweetwater Wetlands, Tucson, AZ                            | Myers-Ganoug Elementary School  |
| 22-Apr-14 | Sam Hughes Earth Day                             | Sam Hughes, Tucson, AZ                                     |                                 |
| 23-Apr-14 | WIP Field Day - Finley Farms Elementary          | Hassayampa River Preserve, Wickenburg, AZ                  | Finley Farms Elementary         |
| 23-Apr-14 | Sweetwater Wetlands Water Festival               | Sweetwater Wetlands, Tucson, AZ                            | Manzo Elementary School         |

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| 23-Apr-14 | Ventana VERDE Earth Day                      | Ventara, Tucson, AZ   |                               |
| 24-Apr-14 | WIP Field Day - Copper King Middle School    | Hassayampa River Preserve, Wickenburg, AZ                       | Copper King Middle School     |
| 24-Apr-14 | School Water Audit                           | Richardson Elementary School, Tucson, AZ                        | Richardson Elementary School  |
| 25-Apr-14 | WIP Field Day - Orangewood                   | Hassayampa River Preserve, Wickenburg, AZ                       | Orangewood                    |
| 25-Apr-14 | Sweetwater Wetlands Water Festival           | Sweetwater Wetlands, Tucson, AZ                                 | Lawrence Elementary School    |
| 28-Apr-14 | School Water Audit                           | Booth-Fickett K-8 Magnet School, Tucson, AZ                     | Booth-Fickett Magnet School   |
| 29-Apr-14 | Glendale Water Festival Volunteer Training   | Glendale Public Library, Glendale, AZ                           | Glendale Community College    |
| 29-Apr-14 | Water Scene Investigation                    | Utterback Middle School, Tucson, AZ                             | Utterback Middle School       |
| 29-Apr-14 | Sweetwater Wetlands Water Festival           | Sweetwater Wetlands, Tucson, AZ                                 | Davis Elementary School       |
| 30-Apr-14 | WIP Field Day - Western Valley Middle School | Tres Rios Wetlands, Phoenix, AZ                                 | Western Valley Middle School  |
| 2-May-14  | Sweetwater Wetlands Water Festival           | Sweetwater Wetlands, Tucson, AZ                                 | Van Buskirk Elementary School |
| 2-May-14  | Glendale Water Festival                      | Sahuaro Ranch Park, Glendale, AZ                                |                               |
| 5-May-14  | Maricopa Water Festival Volunteer Training   | Maricopa Agricultural Center, Maricopa, AZ                      |                               |
| 5-May-14  | School Water Audit                           | Booth-Fickett K-8 Magnet School, Tucson, AZ                     | Booth-Fickett Magnet School   |
| 6-May-14  | Water Scene Investigation Data Analysis      | Utterback Middle School, Tucson, AZ                             | Utterback Middle School       |
| 6-May-14  | Maricopa Water Festival Volunteer Training   | Nissan Technical Center, Stanfield, AZ                          |                               |
| 7-May-14  | Sweetwater Wetlands Water Festival           | Sweetwater Wetlands, Tucson, AZ                                 | Borman Elementary School      |
| 9-May-14  | Maricopa Water Festival                      | Maricopa Agricultural Center, Maricopa, AZ                      |                               |
| 9-May-14  | Sweetwater Wetlands Water Festival           | Sweetwater Wetlands, Tucson, AZ                                 | Holladay Elementary School    |
| 14-May-14 | 2nd STEM Symposium (WIP)                     | Phoenix College, Phoenix, AZ                                    |                               |
| 15-May-14 | 3rd Symposium (WIP)                          | Kroc Center, Phoenix, AZ  |                               |
| 23-Apr-14 | Apache Junction Water Festival               | Prospector Park, Apache Junction, AZ                            |                               |
| 12-May-14 | School Water Audit                           | Booth-Fickett K-8 Magnet School, Tucson, AZ                     | Booth-Fickett Magnet School   |
| 13-May-14 | Sweetwater Wetlands Water Festival           | Sweetwater Wetlands, Tucson, AZ                                 | Tully Elementary School       |
| 14-May-14 | Sweetwater Wetlands Water Festival           | Sweetwater Wetlands, Tucson, AZ                                 | Wheeler Elementary            |
| 16-May-14 | Sahuarita-Green Valley Water Festival        | Sahuarita Middle School, Sahuarita, AZ                          | Sahuarita Middle School       |
| 16-May-14 | Sweetwater Wetlands Water Festival           | Sweetwater Wetlands, Tucson, AZ                                 | Banks Elementary School       |
| 19-May-14 | Sweetwater Wetlands Water Festival           | Sweetwater Wetlands, Tucson, AZ                                 | AmeriSchools                  |
| 19-May-14 | 4th STEM Symposium (WIP)                     | Phoenix College, Phoenix, AZ                                    |                               |
| 20-May-14 | Sweetwater Wetlands Water Festival           | Sweetwater Wetlands, Tucson, AZ                                 | Rose Elementary School        |
| 27-May-14 | Incredible Journey Water Cycle Lesson        | Camp Hope for developmentally disabled adults, Sierra Vista, AZ |                               |

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| 7-Jun-14        | H2Olympics activity   | Home Depot, Tucson, AZ                              |   |
| June 9-20, 2014 | Middle School Earth Camp  | Mount Lemmon, Biosphere 2                           |   |
| 11-Jun-14       | Watershed Model Lesson  | Santa Rita High School, Tucson, AZ                  | Santa Rita High School Freshman Academy |
| 13-Jun-14       | Waterwheel Lesson   | Santa Rita High School, Tucson, AZ                  | Santa Rita High School Freshman Academy |
| 23-Jun-14       | Watershed Model Lesson, Paper watersheds, and the Water Conservation Relay, BASIS Tucson EINSTEINS Summer Program               | BASIS Tucson, Tucson, AZ                            |   |
| 24-Jun-14       | H2Olympics, Paper Watersheds, Watershed Model Lesson, Water Conservation Relay, and Incredible Journey Activities               | University of Arizona, Tucson, AZ                   | UA Rec Center Camp                      |
| 24-Jun-14       | Incredible Journey Activity, the Water Conservation Relay, and the Watershed Model Lesson                                       | Kindercaare Learning Center, Tucson, AZ             | Kindercaare Learning Center Summer Camp |
| 26-Jun-14       | Groundwater Flow Model Presentation, Watershed Model Lesson, Paper Watersheds, and H2Olympics                                   |   | Exploring the Sonoran Summer Camp       |
| 26-Jun-14       | H2Olympics Lesson   | Tucson, AZ  |   |
| 27-Jun-14       | H2Olympics andn Paper Watersheds Activities   | Children’s Museum, Tucson, AZ                       | STEAM Sunday                            |
| 2-Aug-14        | H2Olympics Lesson   | Arizona-Sonora Desert Museum , Tucson, AZ           | Conservation is Cool                    |
| 16-Sep-14       | Moderated the Feeding the Pipeline session at the Water and Rocks: The Foundation of Life – AIPG & AHS 2014 National Conference | Prescott Resort and Conference Center, Prescott, AZ |   |
| 24-Sep-14       | Sweetwater Wetlands Water Festival  | Sweetwater Wetlands, Tucson, AZ                     | Wheeler Elementary                      |
| 25-Sep-14       | Flagstaff Water Festival  | Foxglenn Park, Flagstaff, AZ                        |   |
| 25-Sep-14       | School Water Audit  | Canyon Valley High School, Mesa, AZ                 | Canyon Valley High School               |
| 30-Sep-14       | Sweetwater Wetlands Water Festival  | Sweetwater Wetlands, Tucson, AZ                     | Warren Elementary                       |
| 3-Oct-14        | Sweetwater Wetlands Phenology Trail Training (as part of National Phenology Week)   | Sweetwater Wetlands, Tucson, AZ                     |   |
| 3-Oct-14        | Payson Water Festival Community Event   | Payson, AZ  |   |
| 4-Oct-14        | Phenology Day Celebration (as part of National Phenology Week)  | Brandi Fenton Memorial Park, Tucson, AZ             |   |
| 4-Oct-14        | Groundwater Flow Modeldisplay (Chuck Dugan) at Cooperative Extension Centennial celebration                                     | Phoenix Zoo’s Neely Education Center, Phoenix       |   |
| 6-Oct-14        | Ribbon Cutting Celebration - APW rainwater harvesting lesson  | UA Farm on Campbell, Tucson, AZ                     |   |
| 8-Oct-14        | Sweetwater Wetlands Water Festival  | Sweetwater Wetlands, Tucson, AZ                     | CHET-SE Homeschool Group                |

|           |  |  |                                |
|-----------|--|--|--------------------------------|
| 11-Oct-14 | APW programs showcase at UA Cooperative Extension Centennial Celebration | UA Science and Engineering Library Patio, Tucson, AZ             |                                |
| 14-Oct-14 | Sweetwater Wetlands Water Festival                                       | Sweetwater Wetlands, Tucson, AZ                                  | Booth-Fickett K-8              |
| 16-Oct-14 | Sweetwater Wetlands Water Festival                                       | Sweetwater Wetlands, Tucson, AZ                                  | Happy Trails Pre-School        |
| 17-Oct-14 | Sweetwater Wetlands Water Festival                                       | Sweetwater Wetlands, Tucson, AZ                                  | Kellond Elementary School      |
| 20-Oct-14 | Smart Landscape Lesson   | Safford K-8, Tucson, AZ  | Safford K-8                    |
| 21-Oct-14 | APW assisted in Rain Barrel Installation                                 | Imago Dei Middle School, Tucson, AZ                              | Imago Dei Middle School        |
| 22-Oct-14 | Engineering Review for GPS Tracker Project                               | Walter Douglas, Tucson, AZ                                       | Walter Douglas                 |
| 23-Oct-14 | Indoor School Water Audit  | Madison Meadows Middle School, Phoenix, AZ                       | Madison Meadows Middle School  |
| 24-Oct-14 | Sweetwater Wetlands Water Festival                                       | Sweetwater Wetlands, Tucson, AZ                                  | Vesey Elementary School        |
| 28-Oct-14 | Indoor School Water Audit  | Oakwood Elementary School, Peoria, AZ                            | Oakwood Elementary School      |
| 28-Oct-14 | Indoor School Water Audit  | Hollinger K-8 School, Tucson, AZ                                 | Hollinger K-8 School           |
| 30-Oct-14 | Outdoor School Water Audit   | Copper Trails School, Goodyear, AZ                               | Copper Trail Elementary        |
| 31-Oct-14 | Sweetwater Wetlands Water Festival                                       | Sweetwater Wetlands, Tucson, AZ                                  | Lawrence Elementary School     |
| 31-Oct-14 | Indoor School Water Audit  | Sunset Hills Elementary School, Surprise, AZ                     | Sunset Hills Elementary School |
| 2-Nov-14  | H2Olympics Activities  | Our Mother of Sorrow Church Community Outreach Event, Tucson, AZ |                                |

## Section 11-WSP Fellowships

### TRIF STUDENT FELLOWSHIP RECIPIENTS, 2012/13

#### Graduate Students

|                   |     |      |               |                             |   |
|-------------------|-----|------|---------------|-----------------------------|---|
| Carlos Carrillo   | PhD | COS  | Atmo Sci      | Chris Castro                | Generating a More Unified Perspective of the North American Monsoon Variability and Change: From the paleoclimate to climate change projection timescales |
| Corin Hammond     | PhD | CALS | SWES          | Jon Chorover                | Phytostabilization of Mine Tailings: The impact of plant growth and irrigation on the fate of metal(loid) toxins in porewaters                            |
| Lily House Peters | PhD | SBS  | SGD           | Chris Scott                 | Scenario Planning for Future Water Demand in the Transboundary San Pedro Watershed: Incorporating Improved Spatial Data and Modeling                      |
| Kerton Victory    | PhD | COPH | Public Health | Paloma Beamer               | Risk Perception, Drinking Water Source and Quality in a Low-Income Latino Community Along the US-Mexico Border  |
| Gwen Woods        | PhD | COE  | ChEE/CEEM     | Bob Arnold and Kevin Lansey | A Tool for Integrating Planning of Water Infrastructure   |
| Sonya Ziaja       | PhD | SBS  | SGD           | Carl Bauer                  | Arizona's Water-Energy Nexus  |

#### Undergraduate Students

|                  |    |     |      |              |  |
|------------------|----|-----|------|--------------|--|
| Jeremiah Traeger | BS | COE | ChEE | Eduardo Saez | Iron Photolysis for Advanced Oxidation Processes |
|------------------|----|-----|------|--------------|--|



|  |     |      |        |                        |  |
|--|-----|------|--------|------------------------|--|
| Manuel Vasquez                                     | BS  | COE  | ChEE   | Kim Ogden              | Recycling Water: One Step to Making Algal Biofuels a Reality   |
| <b>TRIF STUDENT FELLOWSHIP RECIPIENTS, 2013/14</b> |     |      |        |                        |  |
| <b>Grads</b>                                       |     |      |        |                        |  |
| Dari Duval   | MS  | CALS | AREC   | Bonnie Colby           | Economic Effects of Freshwater Flows through Colorado River Delta  |
| Hwee Hwang   | PhD | COE  | CEEM   | Kevin Lansey           | Tri-level Optimization of Regional-Scale Water Supply System   |
| Mingyang Li  | PhD | COE  | SIE    | Jian Liu               | Information-Fusion-based Disturbance Monitoring and Detection for Water Distribution Systems   |
| Christopher Olivares                               | PhD | COE  | ChEE   | Jim Field/Reyes Sierra | (Bio)transformation and Toxicity of Nitroaromatic Compounds: Trace Organic Pollutants in Groundwater and Surface Run-off   |
| Minkyu Park  | PhD | COE  | ChEE   | Shane Snyder           | Nanofiltration (NF) membrane process with pre-ozonation for brine treatment  |
| Aloah Pope   | PhD | CALS | SNRE   | Randy Gimblett         | Bayesian Causal Networks of Water Policy Decision-making in the Upper San Pedro River Watershed  |
| Darcy VanDervort                                   | MS  | CALS | SWES   | Shane Snyder           | Glucocorticoid Receptor Toxicity Profile of a Wastewater Effluent-Dominated Stream   |
| Hector Zamora                                      | PhD | COS  | Geosci | Karl Flessa            | Using isotope chemistry to find an alternate source of water for the Cienega de Santa Clara wetland: Implications for Arizona water users and the Yuma Desalting Plant |

## Section 12 -WRRC Students

| Student Name           | Major                             | Degree Sought | Date of Graduation |
|------------------------|-----------------------------------|---------------|--------------------|
| Armenta, Mariah        | Geosciences                       | BS            |                    |
| Banister, Kathryn      | Planning                          | MS            | May-14             |
| Barker-Perez, Emma     | Development Practice              | MA            | May-16             |
| Brill-Duisburg, Emilie | GIS                               | MIS           | Dec-14             |
| Capehart, Mary Ann     | Education                         | MA            | May-15             |
| Castaneda, Mariela     | Development Practice              | MA            | Dec-15             |
| Clinkenbeard, Dixie    | Anthropology & French             | BA            | May-15             |
| Delano, Nathaniel      | Water, Society & Policy           | MS            | May-15             |
| DeWalt, Emily          | Anthropology / Public Health      | BS            | May-15             |
| Edwards, Leah          | Political Science / Public Health | BS            | May-14             |
| Eley, Laura            | Language, Reading & Culture       | MS            | May-15             |
| Fullerton, Christopher | Geography                         | MS            | May-16             |
| Garcia, Luisana        | Elementary Education / Spanish    | BA            | May-15             |
| Gebremariam, Reshet    | Water, Society & Policy           | MS            | May-16             |
| Gudvangen, Emily       | Pre-Physiology                    | BS            | May-17             |
| Hancock, Scott         | Neuroscience                      | BS            |                    |
| Huang, Ling Yee        | Water, Society & Policy           | MS            | May-15             |
| Hullinger, Ashley      | Planning                          | MA            | May-15             |

|                     |  |         |        |
|---------------------|--|---------|--------|
| Joe, Valerisa       | Environmental Microbiology                       | MS      | May-15 |
| Jondall, Kelsea     | Education  | BA      | May-14 |
| Jones, Nicholas, J. | History / Pre-Law Thematic / Thematic            | BS      | May-14 |
| Kleiman, Beth       | Undeclared                                       | MA      |        |
| Kopp, Darin         | Watershed Management                             | PhD.    |        |
| Picazzo, Martin     | Management Information Systems                   | BS      | May-14 |
| Posegate, Ann       | Soil, Water & Environmental Sciences/ Journalism | MS      | May-15 |
| Prescott, Alexander | Geosciences/ Mathematics                         | BS      | May-15 |
| Prietto, Jacob      | Environmental Hydrology & Water Resources        | MS      | Aug-14 |
| Radonic, Lucero     | Anthropology                                     | PhD     | May-14 |
| Reidy, Christian    | Chemistry  |         | May-14 |
| Ryder, Madeline     | Natural Resources & Environmental Studies        | BS & BA | Dec-14 |
| Serwon, Daniel      | Environmental Engineering                        | MS      |        |
| Sitting, Julia      | Natural Resources Studies                        | MS      | May-14 |
| Sheesley, Nicole    | Natural Resources Studies                        | MS      | Aug-14 |
| Skiles, Sara        | Public Administration                            | MPA     | May-16 |
| Smith, Sarah        | Creative Writing / Spanish                       | BA      | May-14 |
| Sprouse, Jason      | Undecided, College of Arts & Letters             | BS      | May-17 |
| Tapia, Elia         | Arid Lands Resources Science                     | PhD     | May-18 |

### Section 13-Special Recognition for WRRRC Personnel and Programs

Sharon B. Megdal was appointed to the Board of Directors for the Western Regional Development Center which is funded by the USDA and housed at Utah State University. Her term began in January 2014.

Sharon B. Megdal, Director of the UA Water Resources Research Center (WRRRC) began a three-year term on the Board of Directors of the Western Rural Development Center (WRDC). Her term will run through December 2016

Sharon B. Megdal, assumed the role of President of the National Institutes of Water Resources (NIWR), Fall 2014,

Sharon B. Megdal was appointed to the board of the Universities Council on Water Resources.

Sharon B. Megdal was elected to a second six-year term on the board of the Central Arizona Project.

Sharon B. Megdal was appointed to the External Advisory Board, International Water Security Network, led by University of the West of England. Her term began in February 2014.

Sharon B. Megdal, was appointed to the 2014 International Advisory Committee Bi-annual Conference on Drylands, Deserts and Desertification, Ben Gurion University, Sede Boqer Campus, Israel.

Jean E. McLain was asked to join the Women in Science and Engineering Advisory Board. WISE has been a part of the University of Arizona since 1976, and is involved in career preparation, mentoring, and advising for the next generation of women scientists.

Jean E. McLain was voted Outstanding Associate Editor, Agronomy Journal, 2014

Jean E. McLain, the McLain laboratory was selected by University of Arizona Risk Management Services as demonstration “safety culture research laboratory” for Tri-University Lab Safety Seminar, October 3, 2014.

Jean E. McLain was selected to be a member of the University of Arizona Committee on Ethics and Commitment, 2014-2017.

Jean E. McLain was selected to be a member of the Technical Advisory Committee Member of the WaterReuse Research Foundation Project, Establishing Pathogen Log Reduction Credits for Wastewater Treatment Plants, July 2014

Jean E. McLain was selected to be symposium organizer, Join the Debate: Most Significant Threat to Water Reuse? 29th Annual Water Reuse Symposium, Dallas, Texas; September 8, 2014.

Jean E. McLain was selected to be symposium moderator for the 29th Annual Water Reuse Symposium, Dallas, Texas, Decentralized Reuse: System Optimization, September 9, 2014.

Jean E. McLain organized Antibiotics in Agroecosystems: State of the Science Workshop, funded by USDA-Agricultural and Food Research Initiative, attended by 50 international researchers of antibiotics and antibiotic resistance, Biosphere2 Conference Facility, Oracle, Arizona; August 5-8, 2014.

Jean E. McLain was appointed as Technical Expert: New and emerging challenges and opportunities in wastewater reuse, European Cooperation in the Field of Scientific and Technical Research, COST Action oc-2013-2-16816, 2014-2017.

Kerry Schwartz, Arizona Project WET's Water Investigations Program is accepted as a Promising STEM Program for the Change the Equation STEMworks database.

Kerry Schwartz, Kerry, Arizona Project Wet received an Award of Merit in the Environmental Education/Communication category in 2014 at Arizona Forward's 34th Annual Environmental Excellence

Kerry Schwartz Arizona Project Wet, won a National competition to host an Americorps Team to work with middle and high school students on Monarch Butterfly Habitat at Rio Salado Habitat Restoration Preserve in Phoenix

Kerry Schwartz was Co-Project Director on a new USDA/NIFA proposal team, and continued as a National Advisor and Invited Conference Attendee on the USDA/NIFA funded project ThinkWater.