

Beth A. Kleiman

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Education

Master of Science | Dec 2016 | University of Arizona | Tucson, Arizona

- Major: Water, Society and Policy
- Advised by Dr. Sharon B. Megdal

Bachelor of Communication | May 2006 | Roger Williams University| Bristol, Rhode Island

- Major: Journalism
- Minor: French

Experience

Water Resources Management Intern | Tucson Water | Dec 2015-present |Tucson, Arizona

- Prepare and submit Compliance Reports to regulatory agencies: annual storage and withdrawal reports submitted to Arizona Department of Water Resources- cross-check permit numbers and groundwater levels in hydrologic database, create hydrographs, collect water loss data, edit report text
- Compile and analyze raw hydrologic data and information for internal and external customers:
 - Collaborate with University on research projects: impacts of climate change on water quality, emerging contaminants, and total organic carbon water quality data in potable distribution system
 - Collaborate with Arizona Project WET: develop new lesson on emerging contaminants for high school students, create charts and graphs, lead students on field classes of Sweetwater Wetlands, collect water samples with students
- Provide technical support for long range planning activities: analyze and update Emergency Operations Plan for Tucson Water, review and renewal of Intergovernmental Agreements
- Utilize GIS technology to address a range of technical issues involving water resources management.
- Critically review and evaluate assembled data to ensure quality control: approve monthly water quality report that is distributed to 250,000+ customers
- Assist in planning, implementation, and follow up of AZ Water Association's Annual Research workshop
- Present research at symposiums and workshops (Specified in Accomplishments section below)
- Participate in Citizen's Water Advisory Committee meetings, Central Arizona Project Board and Stakeholder meetings, AZ Water Board meetings
- Manage redesign of hydrology library: development of filing database and customize coding system
- Conduct field-based compliance activities and data collection:
 - Water quality sampling: instrument calibrations, bottle labeling, sample collection, computer and logbook field data entry, chain of custody relinquishment following QA/QC protocols
 - Water level monitoring- Groundwater level measurements and basin level readings using piezometers, sounders, and dedicated lines
 - Datalogger collection and calibration
 - Radio transmitter and pressure transducer installation
 - Well drilling: supervise swabbing during rig development and casing advance drilling method
 - Mosquito monitoring and control: Set and collect mosquito traps, deliver to university lab
 - Collect dissolved oxygen readings and soil samples

Water Educator | Arizona Project Wet | Oct 2014-Dec 2016 | Tucson, Arizona

- Present groundwater lessons to public school students and teachers; present at special school and community outreach events
- Supervise indoor and outdoor school water audits with students
- Judge and facilitate presentations for Phoenix middle schools
- Lead student educational field trips to Sweetwater Wetlands
- Evaluate students' knowledge by giving pre-and post-assessments; report data
- Support facilitation of teacher workshops
- Assist with training new water educators

Accomplishments

- First Place Recipient of Central Arizona Project Water Research Award, September 2016
- Presenter at Arizona Hydrological Society Annual Symposium, September 2016
- Presenter at Water Resources Research Center Brown Bag Lecture Series, October 2016
- Academic poster presentation at AZ Water Association Workshop, January 2017
- Presenter at AZ Water Association Annual Conference, May 2017
- Grant writer and grant recipient for University of Arizona's Green Fund, September 2014

Skills & Abilities

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|-------------------------------------|--------------------------|---------------------------------|
| · Public speaking | Adobe Acrobat | Microsoft Office Suite: |
| · Superb customer service | Collaboration | Word, Excel, PowerPoint, Access |
| · Communication (verbal & written) | Adaptability/Versatility | ArcGIS |
| · Critical thinking/Problem solving | Organization | Google Earth Mapping Software |

Trainings and Professional Development

- Pluralsight online courses: Excel 2016 for Windows and Mac- Essentials, Microsoft Access 2016, Leadership- Getting Started
- AWWA Webinars: What you need to know about Climate Risks to Water Utility Infrastructure and Assets, Innovative Aquifer Storage and Recovery Applications for Reuse and Drinking Water Projects
- AZ Water Webinar: PFOA & PFOS in Arizona Drinking Water- Occurrence, Regulations, Research, and Treatment
- US Water Alliance Webinar: Know Your Water- Deciphering and Communicating Drinking Water Quality & Customer Confidence Reports
- Urban Heat Island workshop, Stormwater Awareness training
- Stormwater Summit: Green Stormwater Infrastructure Potential in Tucson: A "One Water" Discussion

Affiliations

- AZ Water Association member; Young Professionals and Leadership committees
- Arizona Hydrological Society member
- Toastmasters International Member; VP of Membership and Youth Program Coordinator