

Wisconsin Water Resources Institute

Jennifer Hauxwell

Assistant Director for Research and Student Engagement

- Now in its 51st year, WRI funds an annual average of 4 research projects to safeguard the quality and supply of Wisconsin's water
- Over 110 research projects over its history
- Funding \$92k - USGS base funding
 \$300K - State support for groundwater research
- Linked administratively with Wisconsin Sea Grant – together make up UW Aquatic Sciences Center

Vision – Building Bridges

Science + Educated and Engaged Citizenry +
Resource Managers and Policy Makers =
Sound Decisions
(non advocacy)

*Science that can be used toward a measurable
impact on society*

→ ACTIONABLE SCIENCE

*“Provides data, analyses, projections, or tools that can support decisions regarding the management of the risks and impacts of **climate change**. It is ideally co-produced by scientists and decision-makers and creates rigorous and accessible products to meet the needs of stakeholders.”*

Toward this vision:

- 1) Wisconsin Groundwater Coordinating Council and Joint Solicitation for State Groundwater Research and Monitoring Proposals – **In place**
- 2) Increased emphasis on outreach for all projects – **New for PIs**
- 3) Student fellowships - **New**


1. State of Wisconsin Groundwater Research and Monitoring Proposals

Wisconsin Groundwater Coordinating Council (1984 Act 410, Wis. Stat. § 160)

- Includes high-level administrators of all state agencies with some responsibility for groundwater management plus a Governor's representative
- Provides consistency and coordination among state agencies that fund groundwater monitoring and research
- Meets quarterly
- Annual report to legislature

Annual Joint Solicitation

- Improves communication among agencies and researchers
- Streamlines proposal writing and the review process
- Resources pooled, but decisions independent
- RFP and review process largely coordinated by WRI



University of Wisconsin Water Resources Institute

RESEARCH TO SAFEGUARD THE QUALITY AND SUPPLY OF OUR WATER

[home](#)

State of Wisconsin Joint Solicitation

Interested Researchers:

We are pleased to announce the State of Wisconsin Joint Solicitation for Groundwater Research and Monitoring for Wisconsin Fiscal Year 2017. Complete instructions for proposal submission are now available on this site. The goal of this solicitation is to identify and support scientific research that will answer key scientific questions and will advance our understanding and management of groundwater in Wisconsin.

The solicitation is a coordinated effort of the University of Wisconsin System, and the Wisconsin Departments of Natural Resources; Agriculture, Trade and Consumer Protection; and Safety and Professional Services. This cooperative solicitation allows interested individuals to prepare project proposals that can be submitted to several different funding sources simultaneously and eliminates the need to submit similar proposals several times for different solicitation efforts. It is our intent that this joint solicitation will make it easier for interested researchers to prepare proposals, promote coordination among state agencies and researchers, and enhance the ability of state agencies and the UW System to meet their objectives.

Funding is available for new monitoring or research to meet specific agency needs and objectives. Approximately \$320,000 to \$420,000 will be available for new groundwater projects in Fiscal Year 2017.

You are invited to review the linked materials and decide if you wish to submit a proposal. **The deadline for submittals is 4 p.m. CST Tuesday, November 3, 2015.** Investigators are required to submit proposals using *iPROPOSE*, a Web-based proposal submission system that is now open for registration. Please click on the links to the Joint Solicitation, supporting documents, and to access [iPROPOSE](#).

Sincerely,

Patrick Stevens, Chair
Groundwater Coordinating Council

James Hurley, Director
University of Wisconsin Water Resources Institute

Go to [iPROPOSE](#) to submit your proposal.

Downloads

[Joint Solicitation](#)
[FY17 Proposal Guidelines Checklist](#)
[FY17 Proposal Narrative Template \(Word\)](#)
[FY17 Budget Template \(Excel\)](#)

NOTE: When downloading a file from the list above, click on the **Save** button when prompted.

<http://wri.wisc.edu/Default.aspx?tabid=80>

2. Outreach by PIs – Gold Standard



- Work with end-users of your work throughout all phases of your research, including project development
- Incorporate the arts, stories, analogies
- Partnering between natural and social science researchers
- Work with our Outreach and Communications Staff to tell your stories
- See the WI Actionable Science Website:

<http://www.seagrant.wisc.edu/home/ResourcePages/Researchers.aspx>

New this year – Outreach component required for GW proposals, included in review criteria

3. Fellowships:

FY16

- Water science-policy aim
- Approached state agency with concept
- Wisconsin Water Resources Policy Fellowship
- Provided 100% funding for 50% project assistantship for a current graduate student (state and 104B \$)
- Carolyn Voter, placed in DG Bureau of WDNR
 - Support for GCC - web redesign, research summaries
 - Data analysis
 - Updating *Groundwater - Wisconsin's Buried Treasure*

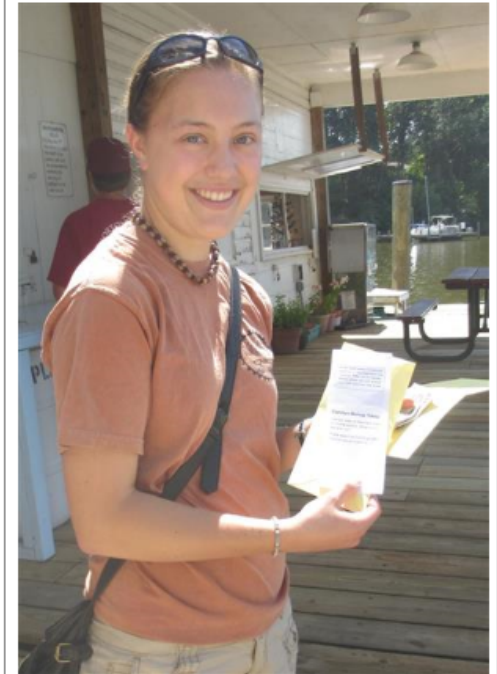
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Carolyn Voter

Ph.D. student, Civil and Environmental Engineering, University of Wisconsin-Madison

Biography

In her research, Carolyn uses high performance computing to model how fine-scaled, site-specific factors like impervious surface connectivity and soil compaction affect water fluxes on otherwise similar residential parcels. She also investigates how these results may change under different seasonal precipitation patterns and looks forward to exploring how site-specific context affects the outcomes of more formal green infrastructure techniques on residential parcels. Carolyn is also the Wisconsin Water Resources Institute Policy Fellow and is working with the Wisconsin Groundwater Coordinating Council to update and enhance groundwater-related reports and publications. When she isn't studying water you can usually find her with a book, running, or working on a project at home that looked a lot better on Pinterest.



Carolyn Voter

Credit: Carolyn Voter

Education

2012 B.S. in Civil Engineering, Bucknell University

2012-present, Ph.D. student in Civil and Environmental Engineering, UW-Madison

Links related to projects

[Voter Elects to Become Debut WRI Fellow](#)

[A Little From a Lot](#)

Fellowships:

FY17

- Buy-in from state
- Funding to be split 50:50 for full-time postgraduate Fellow (104B \$, but none of WRI's state funds)
- Parallel approach with WSG
- Postdocs - \$45k, Post MS - \$39k, plus benefits and travel
- Begins this summer
- Widely advertised, but please help us spread the word – open to recent graduates from around the country



The University of Wisconsin Aquatic Sciences Center, the administrative home to both the University of Wisconsin Sea Grant Institute and the University of Wisconsin Water Resources Institute, is soliciting applications for the 2016 Wisconsin State Water Science-Policy Fellowships. These Fellowships provide unique educational and career opportunities for recent graduates who are interested both in aquatic resources and in the policy decisions affecting those resources in Wisconsin. This program places recent master's or doctoral graduates within state agencies full-time for one year, with the Fellows bringing technical skills to benefit water issues and challenges and receiving valuable real-world science-policy experience from the resource professionals who will serve as mentors. These mutually beneficial partnerships will result in advancing science to support policy decisions as well as valuable training opportunities for new professionals entering the work force. This year we are offering two fellowships, including the:

- 1) J. Philip Keillor Wisconsin Coastal Management-Sea Grant Fellowship, stationed with the Coastal Management Program at the Wisconsin Department of Administration, and
- 2) Wisconsin Water Resources Policy Fellowship, stationed with the Bureau of Water Quality at the Wisconsin Department of Natural Resources.

More detail on the fellowships are below. If you have any questions, please contact:
Jennifer Hauxwell at jennifer.hauxwell@aqu.wisc.edu or (608) 263-4756.

Wisconsin Water Resources Policy Fellowship

This Fellow will be placed at the Wisconsin Department of Natural Resources, Bureau of Water Quality.

Potential projects for the Fellow include:

- 1) *Developing models using groundwater and climate data to predict historical lake levels and characterize the hydrologic regime of seepage lakes in Wisconsin.*
- 2) *Developing impairment guidance or criteria for stream total suspended solids and physical habitat.*

Thank you!

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