



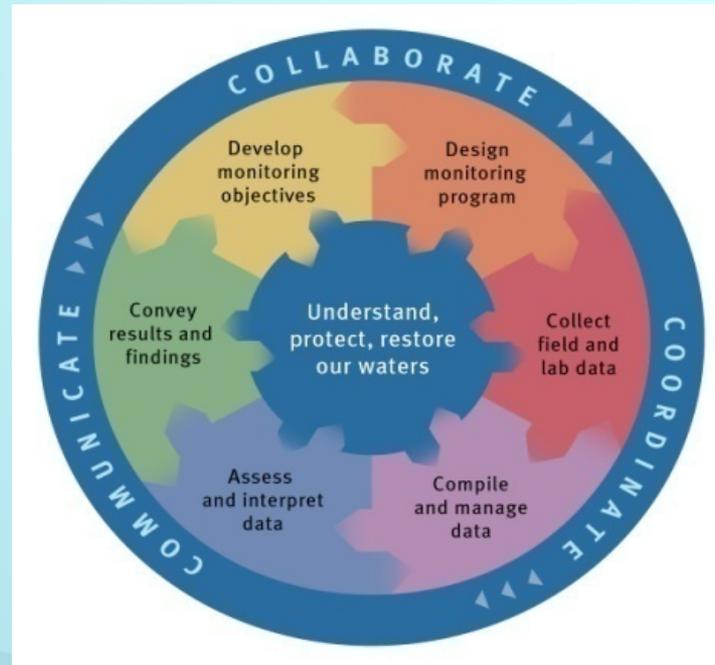
# National Water Quality Monitoring Council

Working together for clean water

## Collaboration & Outreach Updates

Cathy Tate (USGS) and  
Barb Horn (Colorado Parks and Wildlife), Co-chairs

March 31, 2014



# Overview of What We Do

- ▶ Sponsor web seminars (Webinar Series)
- ▶ Develop social media tools to communicate
- ▶ Produce biannual newsletters
- ▶ Support and expand communication with State/ Regional/Tribal Councils and partners in monitoring
- ▶ Marketing of Council programs, initiatives, and products
- ▶ National Monitoring Conferences

# Transitions in C&O Workgroup

- ▶ Barb Horn and Cathy Tate will moving on after 2014 Conference!
  - Barb's term ends in summer 2014
  - Cathy is really retiring at end of May
- ▶ **Wanted** – Council members to lead a specific task for the C&O Workgroup!!!!
- ▶ You would not be alone!
  - Danielle Donkersloot will help out but not lead as she will take over Volunteer Monitoring role
  - Candice Hopkins, USGS will help with newsletter

# Webinar Series

- ▶ Sponsor web seminars or *webinars* on a wide range of topics and audiences
- ▶ Start back up after Conference.
- ▶ Still working out who and how this will work.



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**NWQMC Webinar Series**



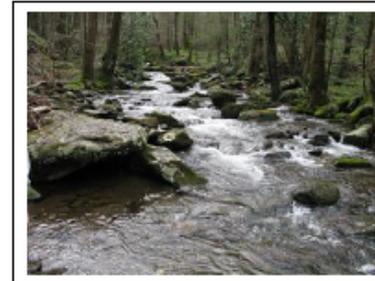
**National Ecological Observatory Network (NEON)**

Presented by

**Chuck Bohall**

Aquatic Instrument Scientist, Hydrology

**Tuesday, June 25 at 1:00 p.m. EDT (10:00 a.m. PDT)**



The National Ecological Observatory Network (NEON) is an NSF funded project that is focused on understanding ecosystem response to climate change, land use change, and invasive species at continental scales. This webinar will focus on the Aquatic program and in situ sensor measurements with the Observatory.

The webinar is free and no pre-registration is required. Please login 10 minutes early.

Website: <https://doilearn.webex.com/doilearn/tc>

Click on "join" next to: NWQMC: NEON Webinar

Password: neon

Call-in toll-free number: 1-866-299-3188

Attendee access code: 5661187#



# Social Media Tools

## ▶ Council Calendar

- Dan Sullivan and Candice Hopkins will continue to try to get a calendar that works! Only available on SharePoint site at this time.



## ▶ Council Blog

- Continue to push approval for blog – not sure we can do this but will keep working on it.



## ▶ Recording Webinars

- Webinars are now being recorded! Have a few hoops to go through before we can post.



## ▶ Twitter

- Follow the 2014 National Monitoring Conference

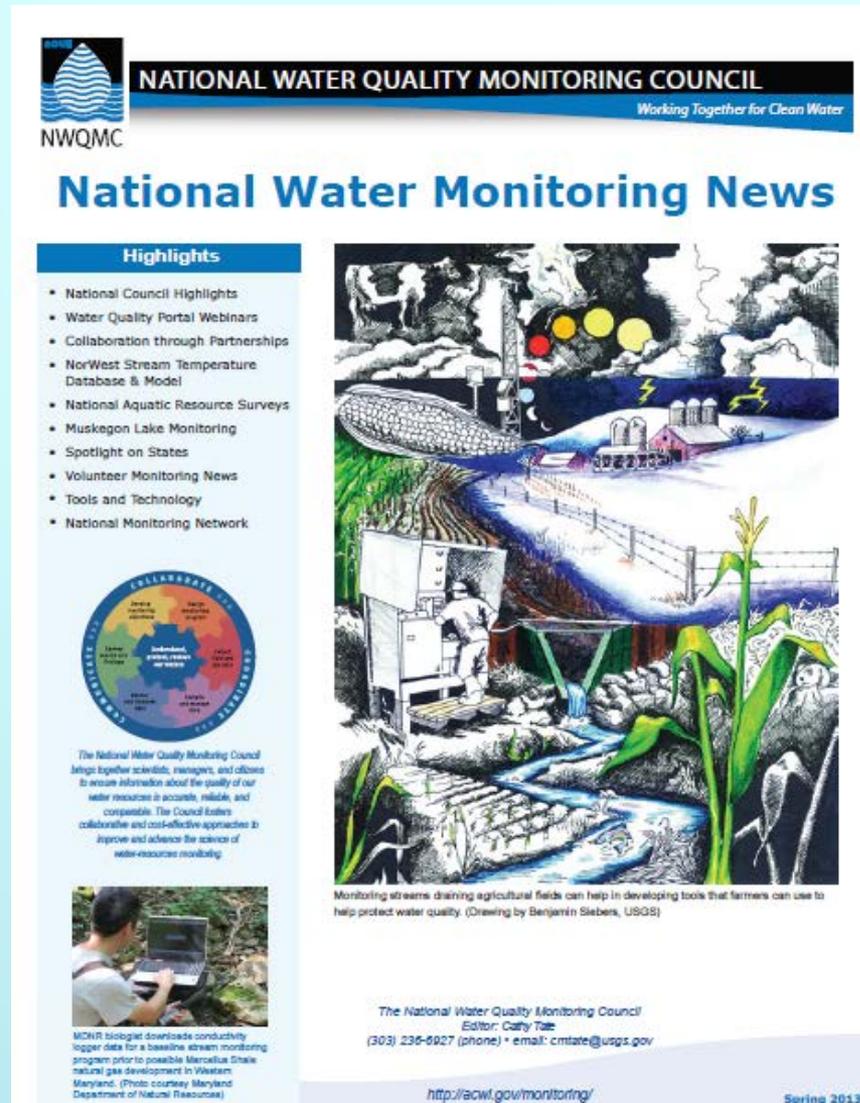
 Follow @NMC2014

# “National Water Monitoring News”

An Online Newsletter for the Water Monitoring Community

- ▶ **No Spring Issue!** Maybe continue in summer or fall.
- ▶ Send articles to Editorial Board:  
Wendy Norton, [wenorton@usgs.gov](mailto:wenorton@usgs.gov)  
Candice Hopkins, [chopkins@usgs.gov](mailto:chopkins@usgs.gov)  
John Hummer, [jhummer@glc.org](mailto:jhummer@glc.org)  
Alice Mayo, [mayio.alice@epa.gov](mailto:mayio.alice@epa.gov)  
Dan Sullivan, [djsulliv@usgs.gov](mailto:djsulliv@usgs.gov)

<http://acwi.gov/monitoring/newsletter/index.html>



**NATIONAL WATER QUALITY MONITORING COUNCIL**  
*Working Together for Clean Water*

## National Water Monitoring News

**Highlights**

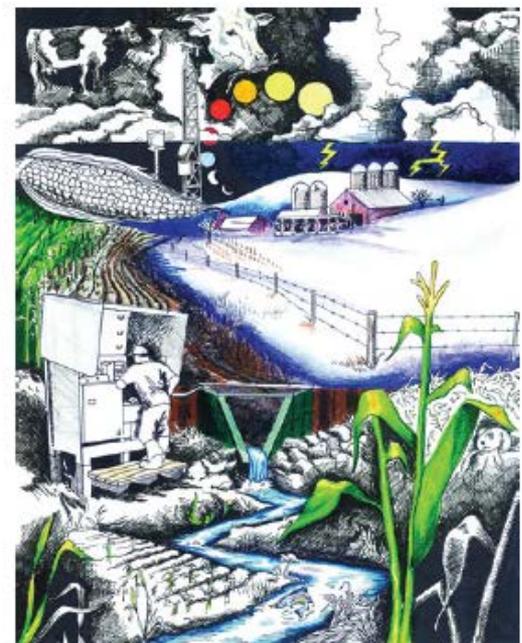
- National Council Highlights
- Water Quality Portal Webinars
- Collaboration through Partnerships
- NorWest Stream Temperature Database & Model
- National Aquatic Resource Surveys
- Muskegon Lake Monitoring
- Spotlight on States
- Volunteer Monitoring News
- Tools and Technology
- National Monitoring Network



The National Water Quality Monitoring Council helps together scientists, managers, and citizens to secure information about the quality of our water resources in accurate, reliable, and comparable. The Council fosters collaborative and cost-effective approaches to improve and advance the science of water-resources monitoring.



MCAW biologist downloads conductivity logger data for a baseline stream monitoring program prior to possible Marcellus Shale natural gas development in Western Maryland. (Photo courtesy Maryland Department of Natural Resources)



Monitoring streams draining agricultural fields can help in developing tools that farmers can use to help protect water quality. (Drawing by Benjamin Siebers, USGS)

The National Water Quality Monitoring Council  
Editor: Carly Tate  
(303) 236-6927 (phone) • email: [cmrate@usgs.gov](mailto:cmrate@usgs.gov)

<http://acwi.gov/monitoring/>



# National Water Quality Monitoring Council

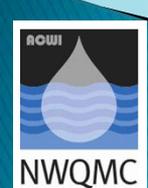
Working together for clean water

## Support and Expand Communication with other Councils and Partners in Monitoring



# Communication with other Councils and Partners in Monitoring

- ▶ Hosting Workshop on Tuesday, 8:00 –9:30 am at 2014 Water Monitoring Conference
  - “C9: Building, Empowering & Sustaining State, Regional and Tribal Water Monitoring Councils, Partnerships and Alliances”
- ▶ NWQMC Presentations to Other Councils & Partners in Monitoring (e.g., Florida & NJ Councils)
- ▶ Other Councils & Partners present to NWQMC at future Council meetings (e.g., Jeff Frey, Indiana Water Monitoring Council)



# Inventory of State/Regional/Tribal Councils and Monitoring Partners

- ▶ Inventory includes information on composition, scope and initiation, finances, leadership, and objectives
  - Reminder: Please update!
- ▶ Info to create/update is:
  - <https://infotrek.er.usgs.gov/apex/f?p=207:101>
- ▶ Info to download and see is:
  - <https://infotrek.er.usgs.gov/apex/f?p=207:29>
- ▶ User name/password in both cases is :
  - reg\_council and Council4u, case sensitive



National Water Quality Monitoring Council

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# Marketing of Council Programs, Initiatives, and Products

# Overall Goal

- ▶ Improve how we (Council) communicate our role within the water-quality monitoring community
- ▶ Reorganizing our website (work in progress)
  - Currently serves primarily Council members
  - Want site to serve multiple audiences (“non-Council members”) and monitoring practitioners

**National Water Quality Monitoring Council**  
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HOME CONFERENCES PRODUCTS PUBLICATIONS ABOUT THE NWQMC THE FRAMEWORK

Study Design  
Methods & Protocols  
Sampling  
Technology  
Data Management  
Networks  
Volunteer Monitoring  
**8th National Monitoring Conference**

**Working together for clean water**

**Welcome to the National Water Quality Monitoring Council**  
The National Water Quality Monitoring Council brings together scientists, managers, and citizens to ensure information about the quality of our water resources is accurate, reliable, and comparable. The Council fosters collaborative and cost-effective approaches to improve and advance the science of water-resources monitoring.

**NEWS & HIGHLIGHTS**

**NEW PRODUCT: Water Quality Portal**  
Chemical, physical, and biological data from both NWQMC (USGS) and STORET (EPA) are readily accessible online from the Water Quality Portal, a web service sponsored by the USGS, EPA, and the Council.

**CONFERENCE UPDATE: 8th National Monitoring Conference presentations now online!**  
Scientists exchange information and technology related to water quality monitoring, assessment, research, protection, restoration, and management in the premier national forum. Check out past conferences here.

**UPCOMING WEBINARS**  
**Oregon's Monitoring System**  
Nov. 01, 2012 10:00 AM EDT  
In 2012, Oregon's Dept. of Environmental Quality held a monitoring system. A new system, Water Quality Monitoring System, replaces the system behind it and its service format.

**RECENT NEWSLETTERS**  
**National Water Monitoring News Fall 2012**  
Our national newsletter is out, with news and reports from around the world of monitoring.

**EVENT CALENDAR**  
APRIL 2013

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

**WHO WE ARE**  
Council members  
State and regional councils  
Partners  
ACWI  
DOI  
Contact us

**WORKGROUPS**  
Methods and Data Compatibility Board  
Water Information Strategic Collaboration and Outreach  
National Monitoring Network  
Volunteer Monitoring

**LEGAL**  
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Accessibility  
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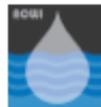
**ACWI**  
**EPA**  
**USGS**

**FOR MEMBERS**  
Meeting Minutes  
Presentations  
ACWI Meeting Calendar  
NWQMC Data Portal app



# 2013-2014 Council Highlights

Information about  
the Council to  
prepare YOU for the  
2014 Monitoring  
Conference!



National Water Quality Monitoring Council

Working together for clean water



## Working Together For Clean Water: 2013-2014 Council Highlights

Each day, water-quality issues become more complex and the need to address them more urgent. The demand for clean, pure water to support a complex web of human activities and aquatic ecosystems continues to grow. At the same time, budgets to monitor, assess, protect and restore our waters are tighter, forcing scientists and managers to attempt to do more with less. The National Water Quality Monitoring Council (Council) exists to bring together the diverse expertise that is needed to develop collaborative, comparable, and cost-effective approaches to monitor and assess our Nation's water quality (<http://acwi.gov/monitoring>). These approaches are fundamental to the successful management and sustainability of our water resources.



The Council and its partners have made significant advances in its priorities, including data management and information dissemination; compatible web services; State and regional councils; volunteer monitoring; assessment and statistical tools; sensors and real-time monitoring; and integrated land-to-sea assessments through the

Network. Multiple Council products and services are now available to help meet water needs across the Nation.

*Created in 1997, the National Water Quality Monitoring Council (Council) is a national forum for coordination of comparable and scientifically defensible methods and strategies to improve water quality monitoring, assessment and reporting. The Council brings together scientists, managers, and citizens to ensure information about the quality of our water resources is accurate, reliable, and comparable. The Council fosters collaborative and cost-effective approaches to improve and advance the science of water-resources monitoring. The Council is chartered as a subgroup of the Advisory Committee on Water Information (ACWI) under the Federal Advisory Committee Act.*



The Monitoring Framework



# Update the Council “Calling Card”

Create updated versions that serve different audiences – still on “To Do” list

[http://acwi.gov/monitoring/workgroups/co/NWQMC\\_callingcard.pdf](http://acwi.gov/monitoring/workgroups/co/NWQMC_callingcard.pdf)



## ABOUT THE COUNCIL

**OUR MISSION** is to develop approaches to monitor, assess, and report on our Nation's water quality in collaborative, comparable, and cost-effective ways.

**SINCE 1997**, the Council has provided a voice for monitoring practitioners across the Nation and fostered increased understanding and stewardship of our water resources. Members come from all levels of government, Tribes, industry, volunteer monitors, and academia.

## SERVING YOUR WATER NEEDS THROUGH —

### COMPATIBLE DATA RETRIEVALS AND COMMON WEB SERVICES

Direct access to water data from multiple sources in a common format for use in mapping, assessments, statistical, and modeling applications, all through a user-friendly web portal.  
<http://qwwebservices.usgs.gov/>

### GUIDES FOR SENSORS

Tools to promote consistency as new technology takes off: checklists for calibration and record-keeping; deployment, siting and maintenance; data elements for sensors; and a glossary of terms.  
<http://watersensors.org/>



### A NATIONAL ENVIRONMENTAL METHODS INDEX

Since 1992, an online resource hosting information on more than 1,110 physical, chemical, and biological lab methods and field protocols. Coming soon: Sensors!  
<http://www.nemi.gov>

### STATISTICAL AND ASSESSMENT TOOLBOX

An online guide to help in the design and analysis of monitoring data to meet specific assessment and research needs (in development).

### NATIONAL MONITORING NETWORK

Assessing the health of our coastal ecosystems and inland tributaries via a nationwide, integrated water quality monitoring plan and strategy for improved national and regional management.  
<http://acwi.gov/monitoring/network/>



## COMMUNICATE, COLLABORATE, & COORDINATE —

### WEBINARS

An exciting new program from the Council, webinars are open to all and provide a forum to exchange monitoring success stories and challenges and discuss emerging water issues.

### THE NATIONAL WATER MONITORING NEWS

Water news, monitoring success stories, assessment needs, conferences and other upcoming events, and more are shared in the Council's biannual newsletter.

### NATIONAL CONFERENCES

Bring together stakeholders from across the water-resources spectrum to showcase new findings on the quality of the Nation's waters and innovations and cutting-edge tools in water-quality monitoring, assessment, and reporting. See you in Portland, Oregon in May 2012 for the next biennial conference!

Learn more about us at —  
<http://acwi.gov/monitoring>



# Working Together for Clean Water

9TH NATIONAL MONITORING CONFERENCE ■ April 28 – May 2, 2014 ■ Cincinnati, Ohio



Conference Program

Registration

Activities

Location

Sponsors & Exhibitors

Past NMC

NWQMC Home



Registration is now open! [General Information](#) || [Register Now](#)

Join us on the banks of the Ohio River in 2014!

We're excited to announce the **9th National Monitoring Conference** will be held the week of April 28 – May 2, 2014 in Cincinnati, Ohio at the Duke Energy Center. This biennial conference is the place to be to mingle with your fellow water-quality monitoring professionals! The conference is a showcase for new findings on the quality of the Nation's waters. You'll also learn about the newest innovations and cutting-edge tools in water-quality monitoring, assessment, and reporting; and have a great time doing it.

We'll have numerous influential speakers, hundreds of presentations and exhibits, and dozens of workshops and field trips to choose from. There are also other events to participate in such as in the "Fluid 5K" Run fundraiser.

Wondering about specific talks at the Conference? [Browse the proceedings](#) from past conferences.

We hope you join us in Cincinnati!

## Info & Deadlines

[Registration Information](#)

## Tweets



Follow Natl Monitoring Conf on Twitter

Follow

## Awards

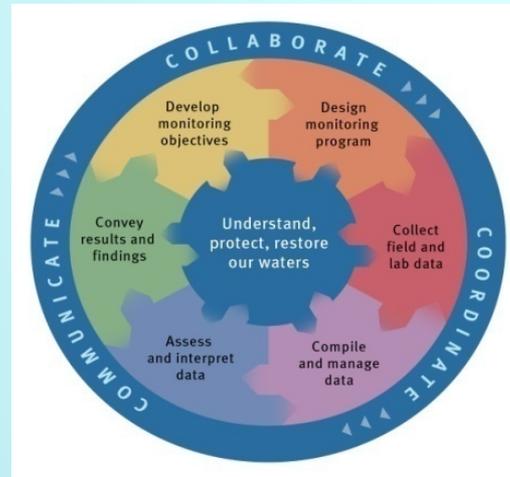


# Questions, Comments, Volunteers!



# Collaboration & Outreach

We want your ideas for webinars,  
articles for the newsletter, and other ways to  
**Collaborate, Communicate, Coordinate!**



Cathy Tate and Barb Horn

([cmtate@usgs.gov](mailto:cmtate@usgs.gov)) or ([Barb.Horn@state.co.us](mailto:Barb.Horn@state.co.us))

After 2014 Water Monitoring Conference

Danielle Donkersloot, ([Danielle.Donkersloot@dep.state.nj.us](mailto:Danielle.Donkersloot@dep.state.nj.us))

or New Executive Secretary, USGS