



National Water Quality Monitoring Council

Working together for clean water



**Building, Empowering & Sustaining State, Regional  
and Tribal Water Monitoring Councils and Water  
Monitoring Partnerships and Alliances**

**NWQMC 9<sup>th</sup> Annual Conference**

**April 29, 2014**

**Organized by:**

**Cathy Tate, U.S. Geological Survey**

**Barb Horn, Colorado Parks and Wildlife**

**Co-Chairs NWQMC Collaboration and Outreach Committee**

# Workshop Goals

- ▶ Understand role of NWQMC and products and information offered & provide feedback
- ▶ Use expertise across the Country to brainstorm on:
  - Financial sustainability
  - How to increase participation, engagement, reach or scope
- ▶ Share one success, tool, highlight that might be transferable to other groups



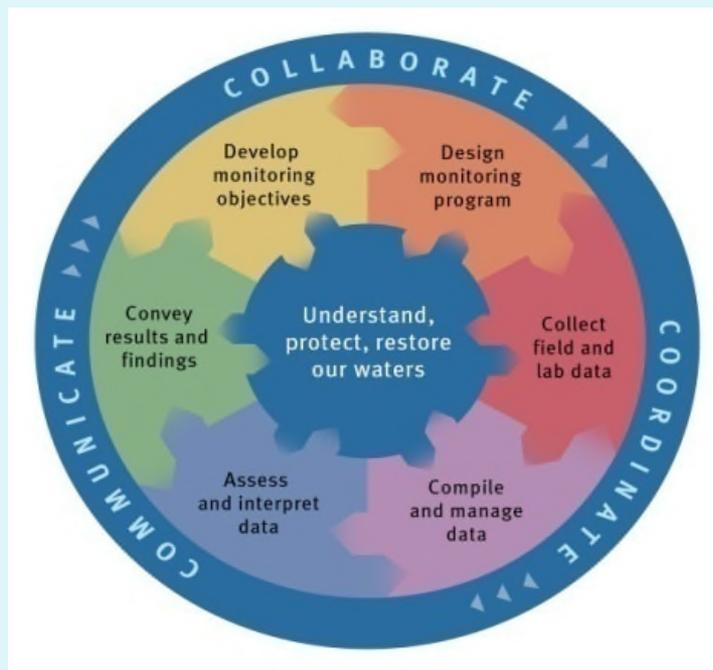
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# Council Products and Tools to Help Councils

*Cathy Tate, Co-chair  
Collaboration & Outreach Workgroup*



# Transitions in Collaboration & Outreach Workgroup

- ▶ Barb Horn and Cathy Tate will moving on after 2014 Conference!
- ▶ Danielle Donkersloot, NJ DEP, will be the new Volunteer Monitoring representative and Co-Chair C&O workgroup
- ▶ Candice Hopkins, USGS, is the new Executive Secretary and Co-Chair C&O workgroup
- ▶ All are welcome to participate or get involved in Council workgroups and activities.

# Webinar Series

- ▶ Hosting webinars on a wide range of topics and audiences including:
  - State and regional councils
  - Volunteer and tribal monitoring
  - Sensors, NEMI, data exchanges
  - Healthy Waters 101
  - Ecological Flows
  - EPA's Water Contaminant Information Tool (WCiT)
  - National Ecological Observatory Network (NEON)
  - *and much more!*



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**NWQMC Webinar Series**



**neon**<sup>TM</sup>  
National Ecological Observatory Network

**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: 1-866-299-3168  
Attendee access code: 5661187#

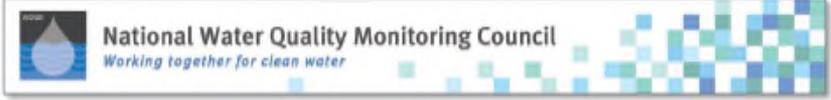


# “National Water Monitoring News”

An Online Newsletter for the Water Monitoring Community

- ▶ **No Spring Issue!** Will continue in summer.
- ▶ 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 Monitoring News

### Highlights

- National Council Highlights
- 2014 Conference
- Release of NEMI 4.0
- Federal Partnerships
- Spotlight on States
- Volunteer Monitoring News
- Tribal News
- Tools and Technology
- Announcements



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.



High School students sampling stations on West Lake Okoboji, Iowa, as part of "Clean Camp." (Photo by Jane Shuttleworth)



Field crew recording fish measurements as part of the National Rivers and Streams Assessment. (Photo courtesy U.S. EPA)

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

Fall/Winter 2013



# 2013-2014 Council Highlights

Information about  
the Council for the  
2014 Monitoring  
Conference!



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## 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





# Summary of Council Activities

- ▶ National Environmental Methods Index
- ▶ Water Quality Statistical and Assessment Methods Online Database
- ▶ Volunteer Monitoring and Citizen Science Web page
- ▶ National Monitoring Network for Coastal Waters and Their Tributaries





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



# Communication with other Councils and Partners in Monitoring

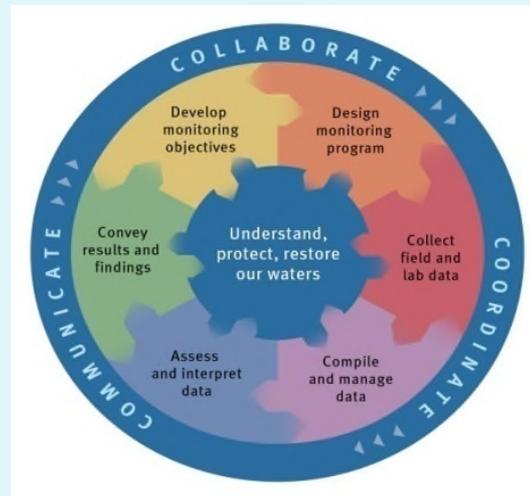
- ▶ Hosting Workshops at 2014 Water Monitoring Conference
- ▶ NWQMC Presentations to other Councils & Partners in Monitoring (e.g., Florida & NJ Councils)
- ▶ Other Councils & Partners present to NWQMC at future Council meetings (e.g., Jeff Frey, Indiana Water Monitoring Council)

# 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

# Please Participate!

- ▶ All are welcome to participate or get involved in Council workgroups and activities.
- ▶ You do not need to be a part of the Council to do so!
- ▶ **Please complete the sign up sheet in the room**



# Let us see who is in the room?

- ▶ Room Inventory
- ▶ Use your sign – hold up high
- ▶ Use your handout to take notes
- ▶ We will send the contacts to everyone in the room – and/or might be on Councils site

# Duration of Group

Raise your hand / sign if:

Just Starting

< 5 Years Old

5 -10 Years Old

> 10 Years Old

# Group Composition

Raise your hand / sign if:

State

Special District

Federal

Academia

Tribal

Private

Municipal

Non Profit

# Geographic Scope

Raise your hand / sign if:

Statewide

Interstate/regional

Multi-Basin/Larger Basin

Other

# Mandate to Start

## Raise your hand / sign if:

Top Down

Bottom Up

Mix

# Primary Focus

Raise your hand / sign if:

Monitoring Coordination

Data Repository, Mngt, Sharing

Guidance, Consistency, Comm,  
Efficiencies

Address a specific issue

# Primary Funding

Raise your hand / sign if:

State

Special District

Federal

Municipal

Tribal

Industry/Private

Academia

NP-Foundations

Fees

Other

# Staffing

Raise your hand / sign if:

Any Paid Staff

Paid Staff Only

Volunteer Only

Mix

# Cost to Deliver P and S

Raise your hand / sign if:

10K

10-25K

Don't Know

26-100K

> 100K

# Inventory has:

- Leadership Composition
- Organization Structure
- Decision Process
- Program Objectives
- Products
- Services

# Why This Matters

- **Helps others get support not reinvent wheel, see not alone**
- Part of our target audience
- **Help us best serve that audience**
- Utilize for products, webinars, newsletters, etc.
- **We are each others allies**

What Question / Area Do You Need Help with?



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# Group Share

# Group Share

## GROUND RULES

**Brevity – 2 minutes or <**

- If you do same as another don't repeat say "here/here"
  - Share new information, questions or methods
  - Stick to point – not entire "story"
  - Network with each other MORE!
- ▶ Time Keepers – WE ALL ARE

# Group Share

## Topic 1

- Brainstorm on Financial Sustainability

# Group Share

## Topic 2

- Brainstorm on how to increase participation, engagement, reach or scope

# Group Share

## Topic 3

- Share One of the following:
  - A success/failure Transferable to another group
  - Product, Service, Tool
  - ? You have of Group



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## Let's Continue to Share!

- Council Booth
- Council Demonstrations (by booth)
- Council Highlight Session – E9, Today 330–500 pm
- Grab a Council Member
- For Each Product – Committee Specific Sessions

Council Highlights On line

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

