

# Agenda

- 🔹 Overview
  - 🔹 Volunteer monitoring movement
  - 🔹 How to get started
- 🔹 Tell us about yourselves!
- 🔹 Program examples
  - 🔹 Agency
  - 🔹 Cooperative Extension
  - 🔹 Academia – grassroots
- 🔹 Study Design and the Dreaded QAPP
- 🔹 **Resources**
- 🔹 **Q&A/discussion**

A photograph of a body of water with reeds in the foreground. The water is blue and has small ripples. The reeds are tall and thin, with some brown seed heads. The text is overlaid on the left side of the image.

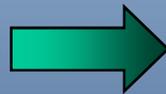
**Start small,  
start simple,  
seek out help,  
ask a lot of questions  
go to workshops/conferences**

# The Continuum of Volunteer Monitoring Programs





**Education/  
Awareness**

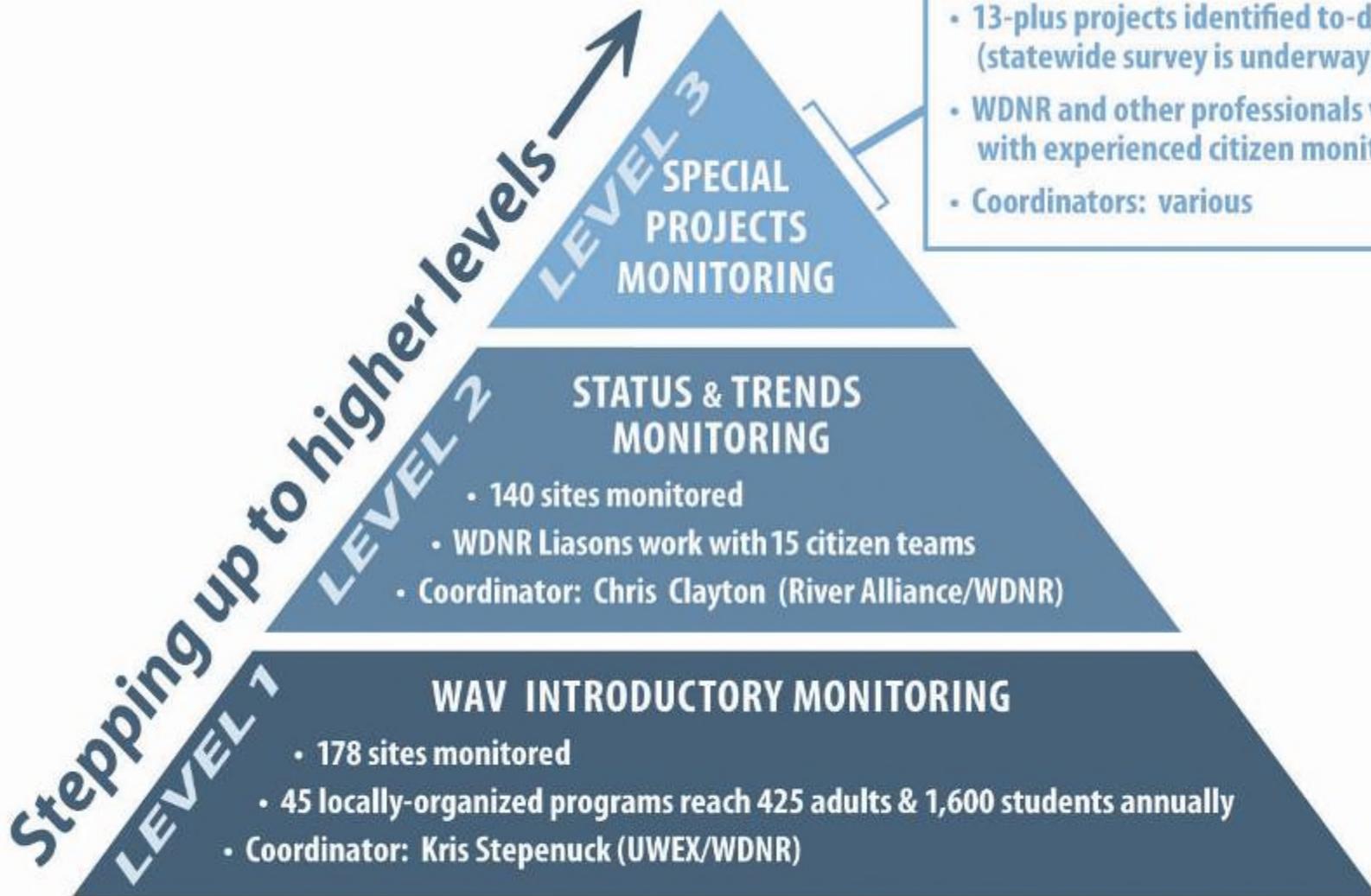


**Problem ID,  
Assess  
Impairment,  
Local  
Decisions**



**Legal &  
Regulatory**

**Increasing Time - Rigor - QA - Expense \$\$**



**For more information, visit:**  
**<http://watermonitoring.uwex.edu>**

**Make training a process that flows  
throughout your program, it is ...**

... essential for program success

... essential for volunteer success

# Resources for Designing Programs



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

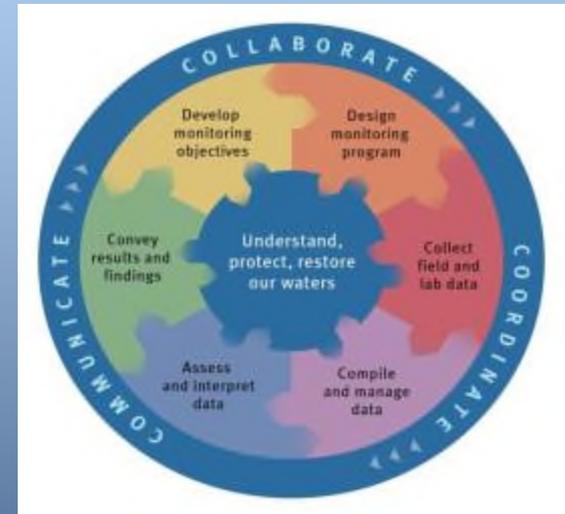
[www.usawaterquality.org/volunteer](http://www.usawaterquality.org/volunteer)



<http://www.birds.cornell.edu/citscitoolkit>

# Program Planning: *The Framework for Monitoring*

- *Assess the need*
- **Develop objectives**
- **Design your program**
- **Collect the data**
- **Compile and manage data**
- **Assess and interpret data**
- **Convey results and findings**
- *Evaluate your program*



*National Water Quality Monitoring Council "A Framework for Monitoring"*

[http://acwi.gov/monitoring/about\\_the\\_framework.html](http://acwi.gov/monitoring/about_the_framework.html)

# Extension Volunteer Monitoring Network

[www.usawaterquality.org/volunteer](http://www.usawaterquality.org/volunteer)



Applying knowledge to improve water quality  
**Volunteer Water Quality Monitoring**  
National Water Resource Project  
A Partnership of USDA NIFA  
& Land Grant Colleges and Universities



## Home of the Extension Volunteer Monitoring Network

### Volunteer Monitoring

#### National Water Resource Project

[Project Description](#) (282 K pdf file)  
[Nationwide Inquiry Results](#) **NEW!**  
[Outreach Materials and Activities](#)  
[Online Databases](#)  
[Training Modules](#)

#### Extension Volunteer Monitoring Network Programs

[National Volunteer Water Monitoring Program Directory](#) **NEW!**  
[Extension-connected Programs](#)  
[Master Naturalist Programs](#)  
[Job postings](#)

#### Researching and Validating Volunteer Monitoring

[Validation Studies](#)  
[Other Volunteer Monitoring Research](#)

#### Related Research and Educational Efforts

[Select Archives of Volunteer Monitoring Listserv Discussions](#)  
[Publications](#)

#### Tribal Initiatives

[Great Lakes Survey](#)  
[Great Lakes Tribal Water Summit](#)

#### Other National Water Resource Projects

[NEMO](#)  
[Other Water Resource Projects](#)



### Guide for Growing Programs

[Getting Started](#) (234 K pdf)  
[Why Monitoring Makes Sense](#) (582 K pdf)  
[Designing Your Monitoring Strategy](#) (1.6 M pdf)  
[Monitoring Matrix](#) (80 K pdf)  
[Effective Training](#) (850 K pdf)  
[Monitoring Equipment Suppliers](#) (437 KB pdf)  
[Direct Links to Monitoring Programs' Manuals](#) (online)  
[Building Credibility](#) (342 K pdf)  
[Sharing Information Through Internet Exchanges](#) (127 K pdf)  
[Volunteer Management](#) (1 M pdf)  
[Planning Your Program's Data Management System](#) (560 K pdf)  
[Tips and Tools for Effective Presentations](#) (541 K pdf)  
[Fundraising](#) (582 K pdf)  
[Bacteria Monitoring Intro](#) (468 K pdf)  
[Methods for Monitoring Bacteria in Surface Waters](#) (916 K pdf)  
[Presenting Bacteria Monitoring Data Effectively](#) (522 K pdf)  
[Evaluating Your Volunteer Monitoring Program](#) (404 KB pdf)

### Upcoming Events

[ANROSP Conference](#)  
Nov. 4-7, 2013  
Ocean Springs, MS

[Maryland Water Monitoring Conference](#)  
December 5, 2013  
Linthicum Heights, MD

[National Monitoring Conference](#)  
April 28-May 2, 2014  
Cincinnati, OH  
Abstracts due Sept. 20, 2013

### Of Special Interest

[Nationwide Inquiry Results](#) **NEW!**  
[National Volunteer Water Monitoring Program Directory](#) **NEW!**  
[Secchi Dip-In](#)  
[Volunteer E. Coli Monitoring Project](#)  
[Volunteer Monitor Newsletter](#)  
[World Water Monitoring Challenge](#)



# Summary

**Start by addressing the tough questions**

**Determine objectives**

**Develop a written plan**

**Communicate – coordinate - collaborate**

**Use varied learning techniques**

**Seek varied sources of funding**

**Use all available resources**

**Applaud your volunteers (and yourself) !**