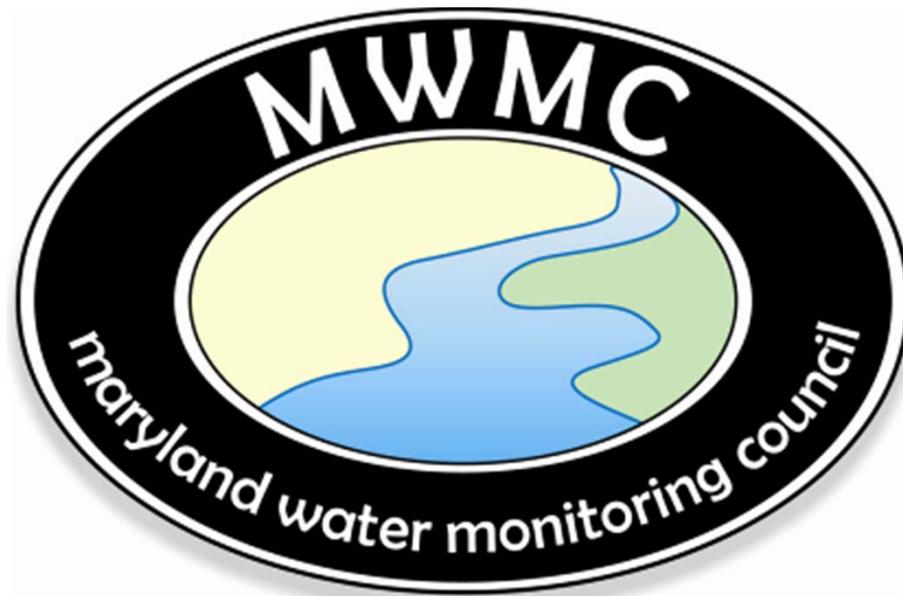


# Maryland's Approach to a Statewide and Collaborative Water Monitoring Council



**December 10, 2014**

# Maryland Water Monitoring Council

## *Background*

---

- **Began in 1994**
- **Modeled after the Federal ITFM (Intergovernmental Task Force on Monitoring)**
- **Aligned under MD Department of Natural Resources**
- **Executive Secretary – support and follow-through of key MWMC activities, including:**
  - **Board meetings and activities**
  - **Workshops**
  - **Web site / updates and**
  - **serving as Council’s communication “hub”**



# Maryland Water Monitoring Council

## *Goals*

---

- Forum for effective communication, cooperation, and collaboration
- Facilitate collaborative, watershed-based monitoring strategies
- Document monitoring activities in Maryland
- Promote quality-assured procedures for collection, analysis, assessment, and data management



# Maryland Water Monitoring Council

## *Board of Directors*

---

State agencies (4) • Local agencies (4) • Federal agencies (2)  
College / University (2) • Consultant/Industry (2)  
Volunteer monitoring / Environmental groups (2)  
Regional / Intergovernmental organizations (1)  
At-large members (4)



# Maryland Water Monitoring Council

## *Committees*

---

- **Monitoring and Assessment**
- **Community Outreach / Citizen Stewardship**
- **Information Management / Communication**
- **Groundwater**
- **Nominating**
- **Awards**
- **Planning**



# Maryland Water Monitoring Council

## *Membership*

---



# Maryland Water Monitoring Council

## *Workshops*

---

- **Stream Monitoring Roundtable (annual)**
- **Stream-Gaging Strategy**
- **Climate Change; Climate Change Monitoring In Streams - 2014**
- **Vernal Pools (I / II)**
- **Benthic Macroinvertebrate Taxonomy**
- **Electronic Tools**
- **Stream Symposiums (I / II)**
- **Sampling Protocols / Methods Comparability**
- **Water Words That Work (Eric Eckl)**
- **IDDE (Illicit Discharge Detection and Elimination) - 2014**
- **Road Salt and Water Quality - 2014**
- **Wildlife Impacts on Water Quality - 2014**



# Maryland Water Monitoring Council

## *Workshop activities*

---



# Maryland Water Monitoring Council

## Web presence



# MWMC

## Maryland Water Monitoring Council

- Home
- About Us
- Board of Directors
- MWMC Committees
- Annual Conference
- Streams Roundtable
- Employment
- Announcements
- Related Links
- Carl Weber Award
- Photo Gallery
- Archives



### From the Mountains to the Sea

Founded in 1994, the Maryland Water Monitoring Council (MWMC) serves as a statewide collaborative body encouraging effective collection, interpretation, and dissemination of environmental data. The MWMC strives to improve communication within the the Maryland water monitoring and management community regarding issues, policies, and resource management. The Council is aligned under the Maryland Department of Natural Resources with a Board of Directors having representatives from local, state and federal agencies, private industry, academia, and citizen and regional organizations.

The MWMC addresses the full range of aquatic and watershed resources in Maryland - ground and surface waters, freshwater, estuarine and marine environments, and associated watershed resources. From environmental justice to climate change adaptation; from surface water regulatory programs to the Chesapeake Bay TMDL; the Council is an excellent venue for both professionals and lay persons to keep abreast all of all things watery in Maryland.

The MWMC sponsors a number of standing committees and ad hoc workgroups that meet regularly throughout the year. These groups work through a process of consensus to help achieve the Council's purpose and goals. Committees and workgroups sponsor workshops from time to time.

The Council also holds an Annual Conference to promote an exchange of information within Maryland's water monitoring community. For more details see the [Annual Conference Page](#).

To find out how you can get involved in the Council, email Dan Boward (Executive Secretary) at [dan.boward@maryland.gov](mailto:dan.boward@maryland.gov) or call 410.260.8605.

### Upcoming Events

- [Save the date!](#)  
[Maryland Water Monitoring Council 20th Annual Conference - November 21, 2014](#)
- [Mark your calendars!](#)  
[Workshop - Monitoring for Climate Change in Maryland's Non-Tidal Streams](#)  
[January 27, 2015](#)

### MWMC Headlines

- [Purchase an MWMC t-shirt!](#)
- [Like us on Facebook!](#)
- [2012 Marcellus Shale Workshop](#)  
For all the info, plus .pdfs of the presentations, [click here!](#)
- [MWMC session at the annual conference of the Maryland Association of Counties in Ocean City.](#) See the ["Announcements" page](#).

### 2014 Board Meeting Schedule

Click on each date for an agenda as they are posted and links to presentations

- [February 10, 2014](#)  
(10:00 AM to 2:00 PM)  
Versar, Inc. Office  
Columbia, MD  
[Meeting Minutes](#)
- [April 15, 2014](#)  
(10:00 AM to 2:00 PM)  
Tawes State Office Building, Annapolis, MD

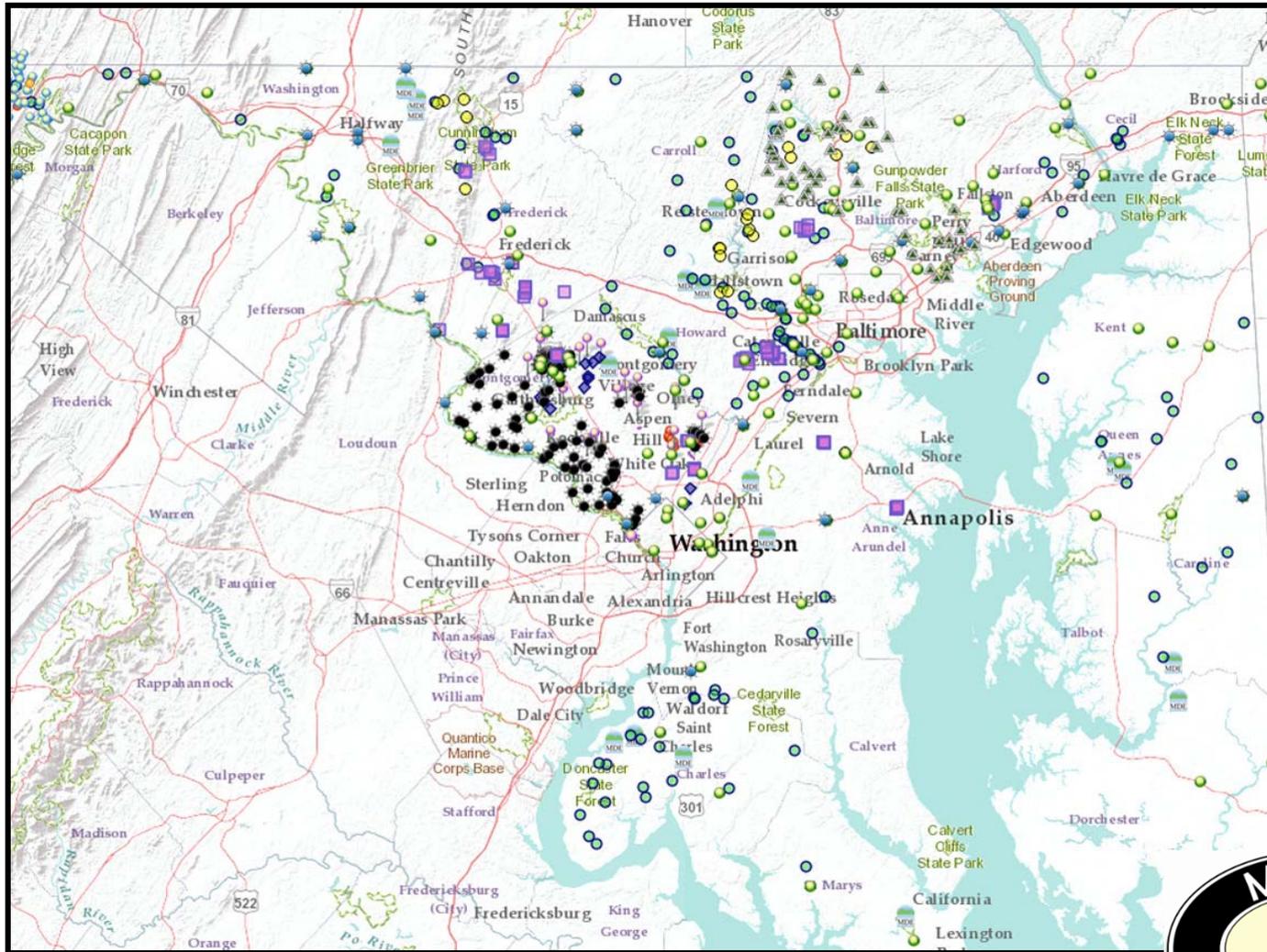
### CONTACT US

**Dan Boward**  
Maryland Department of  
Natural Resources  
580 Taylor Avenue, C-2  
Annapolis, MD 21401  
410.260.8605

Questions or comments  
about the webpage?  
[Email us!](#)

# Maryland Water Monitoring Council

## *2014 Stream Monitoring Roundtable map*



# Maryland Water Monitoring Council

## *Annual Meeting*

---

- Held late fall
- Themed one-day conference (Maritime Inst – near Baltimore)
- Keynote and plenary talks
- Concurrent tracks of presentations (17-52 year);  
space for *poster* presentations (9-36/yr)
- Long breaks for networking (*morning, lunch, afternoon*)
- Program with abstracts (electronic distribution starting 2013)
- First MWMC meeting (1995) - 150 attendees (440 in 2014)



# Maryland Water Monitoring Council *Annual Meeting*

---



# Maryland Water Monitoring Council

## *Annual Meeting Budget*

---

**Annual meeting costs (2014) – covers facilities, breaks, lunch, speaker fees (deaf interpreter fee required in 2013)**

**- registration -(2014) \$55 (early bird) to \$70**

**non-profit member - \$30**

**student registration - \$25**

**- poster presentation set-up/space \$0 (w/ paid registration)**

**- table space for commercial vendors \$275 (2014)**

**(space for agencies/non-profit organizations - \$0 w/ paid registration – no sales at these tables)**

=====

***Net income* from this event helps support workshops, board retreat/awards throughout the following year**





# Maryland Water Monitoring Council

## *Why we succeed*

---

- Inclusiveness of membership
- Asking membership for ideas
- Finding committee and workshop champions
- Repeating our successes and changing our failures
- Learning from NWQMC and other States
- Reaching out to planners, social scientists and others



# Maryland Water Monitoring Council

## *Council management sites*

---

**MWMC home page:**

<http://mddnr.chesapeakebay.net/MWMC/MWMC2010/index.asp>

**MWMC bylaws:**

<http://mddnr.chesapeakebay.net/MWMC/MWMC2010/pdfs/MWMCBylaws.pdf>

**MWMC Annual meeting page:**

<http://mddnr.chesapeakebay.net/MWMC/MWMC2010/annualConference.asp>

**National WQ Monitoring Council – States/Regional page:**

[http://acwi.gov/monitoring/regional\\_councils\\_files/index.html](http://acwi.gov/monitoring/regional_councils_files/index.html)



# Maryland Water Monitoring Council

*- For more information -*

---

**Executive Secretary – Dan Boward:**

**[mailto: dan.boward@maryland.gov](mailto:dan.boward@maryland.gov)**

**telephone: 410-260-8605**

**Monitoring and Nontidal Assessment**

**MD Department of Natural Resources**

**580 Taylor Avenue, C-2**

**Annapolis, MD 21401**

