



Maryland Water Monitoring Council
Maryland Dept. of Natural Resources
Tawes Building, C-2
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www.marylandwatermonitoring.org

Clark Howells, Baltimore City DPW.
Chair

Sandy Hertz, Maryland State Highway Admin.
Vice-chair

Dan Boward, Maryland DNR
Executive Secretary

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Kevin Brittingham, Baltimore County DEPS
Jim Caldwell, Howard County OES
Jai Cole, M-NCPPC
Caroline Donovan, UMCES
Byron Madigan, Carroll County BRM
Richard Mitchell, US EPA
Joel Moore, Towson University
Diana Muller, MAEOE
Mat Pajeroski, USGS

Mike Pieper, KCI Technologies
Charles Poukish, Maryland Dept. of the Environment
Jeff Reagan, Biohabitats, Inc.
Nancy Roth, Versar, Inc.
Ken Staver, Univ. of MD WREC
Matt Stover, Maryland Dept. of the Environment
Mark Trice, Maryland DNR
Chris Victoria, Anne Arundel DPW
Karen Wiggen, Charles County Dept. of Planning
Michael Williams, Univ. of MD College Park

Minutes of the MWMC Board of Director's Meeting Tawes State Office Building; C-1 Conference Room January 17, 2017

In attendance: Dan Boward, *Jai Cole, *Jim Caldwell, *Sandy Hertz, *Clark Howells, *Richard Mitchell, *Joel Moore, *Diana Muller, *Mat Pajeroski, *Mike Pieper, *Charlie Poukish, *Jeff Reagan, *Nancy Roth, *Ken Staver, *Matt Stover, *Mark Trice, *Chris Victoria, *Karen Wiggen, *Michael Williams

Not attending: Kevin Brittingham (no alternate), *Caroline Donovan (Suzi Spitzer alternate), *Byron Madigan (no alternate)

*Board member

The meeting convened at 10:10 AM. Chairman **Clark** Howells welcomed everyone. **Matt** Stover asked the three new members in attendance – **Jai** Cole, **Karen** Wiggen, and **Michael** Williams – tell everyone more about themselves and their interest in the MWMC. New member **Byron** Madigan was not able to attend.

The minutes from the October 25, 2016 Board meeting were approved as-is.

2016 Annual Conference

Dan Boward provided a slide show with photos and statistics from the December 2, 2016 conference. He also distributed a handout itemizing the MWMC budget for 2016. **Mike** Pieper then summarized the results from the annual Survey Monkey survey. There were 239 responses out of 515 attendees. **Action Item** – **Jai** suggested that we ask about students' race in future surveys. **Dan** will add a question for the 2017 conference. Everyone agreed that we should move several of the posters to the first floor to alleviate crowding. There was a brief discussion of moving to another venue (UMUC, Chesapeake College). **Jai** suggested that we include some talks on the basics (e.g., what's an IBI). **Diana** Muller asked if attendees could get a tour of the 3D simulator. **Clark** Howells recommended **Barbara** Mikulski as a plenary speaker. **Jai** recommended we add a session of student talks. **Mark** Trice and **Sandy** Hertz offered to serve on the 2017 Annual Conference Planning Committee.

Committee and Workshop Updates

Monitoring and Assessment (Mike Pieper reporting)

Mike received the list of people who indicated an interest in the Committee by signing up during the 2016 annual conference. A meeting will be held in February, 2017 during which the Technical Series Workshops will be discussed.

Citizen Science (Suzie Spitzer reporting for Carline Donovan)

The Committee will meet in February, 2017. **Caroline** received the list of folks who indicated interest by signing up during the 2016 annual conference. **Matt** Stover said there may be another Data to Decisions Workshop in April. Venues were being evaluated. Possibilities include the Wye Center, Chesapeake College and Talbot Community Center.

Information Management (Tom Parham and Sandy Hertz reporting)

Tom said there have been four data submissions for the online MWMC Site Mapper. **Mat** Pajeroski offered 120 USGS sites as additions to the Mapper. **Tom** and **Sandy** Hertz are working to add polygons for NGOs. **Jai** suggested adding landowner information to the Mapper. **Richard** Mitchell said that EPA could provide locations for NARS sites. **Dan** reported that there were no data submissions from county agencies.

Groundwater (Mat Pajeroski reporting)

No activity. The Committee will meet within the next 4 weeks.

Student Committee (Suzie Spitzer reporting for Caroline Donovan)

The Committee needs a Chair and Co-Chair. **Caroline** received the list of folks who indicated interested during the annual conference.

Lunchtime Presentation

Jim Caldwell gave a presentation on the July 2016 flooding in Ellicott City. It included historic information, flood statistics and challenges going forward. His talk generated a great deal of discussion.

News Roundtable

Chris Victoria – No news.

Joel Moore – No news.

Ken Staver – Work continues on the Bay Phase 6 Model that for TMDL accounting. The coefficients are ready.

Jai Cole – Jay would like to see more instruction that involves both stream restoration and ecology. Action Item – Dan will talk with Jai about planning a workshop that includes both engineering and ecology of streams.

Suzi Spitzer – UMCES Annapolis is moving to Eastport. Caroline Donovan is working on the Chesapeake Monitoring Cooperative.

Nancy Roth – Versar is planning some SHA-funded work on streams prior to restoration to quantify nutrients and sediments.

Jim Caldwell – Howard County began its first major agricultural stream restoration project that involves 6,200 linear feet of stream in a dairy farm.

Mat Pajeroski – USGS is installing water quality station in the Inner Harbor. This is in partnership with Blue Water Baltimore. Staff are starting a new project involving augmented reality data on smart phones.

Michael Williams – There is an upcoming Chapman Conference on climate change, extreme events, resiliency, and restoration in Puerto Rico. Michael is co-chairing a session at the upcoming ERF conference on climate change and BMP performance.

Sandy Hertz – Sandy is new at MDOT. She is working on e-collaboration projects with several agencies involving mapping and data integration. This all-in-one project may serve as a portal for 404 projects. Sandy receives FEMA alerts and she'll send them on to Board members. Sandy attended a recent Bay Cabinet meeting. There was a discussion of how new WIP proposals may lead to increased reductions in ag and urban runoff related to climate change.

Mark Trice – There will be a STAC workshop on Bay water quality trends in February.

Dan Boward – The 2017 MWMC annual conference will be held on December 8. MBSS spring training will be held on February 24 at Harford Glen Envion. Ed Center. Summer training is scheduled for May 30 – June 2 at Hood College. The 10th Stream Monitoring Roundtable will be held at USGS Catonsville on February 10.

Clark Howells – Baltimore City's Restoration Monitoring Strategy is done.

Matt Stover – A Data to Decisions Workshop is upcoming. The 2016 Integrated Report public comments are due by January 23. MDE is going public with the Triennial Review of Water Quality Standards soon. MDE is involved in WWTP chlorides studies.

Charlie Poukish – There was a large fish kill on the Gunpowder River- perhaps due to a toxic algae. But why winter? A dinoflagellate killed about 10K fish in 13 species.

Diana Muller – A new instrument is being used to look at CDOM and oils. Diana is presenting at MAEOE with real data that can be downloaded from STORET.

Jeff Reagan – Jeff's sampling crew found a dead body in Leakin Park.

Mike Pieper – KCI is assisting MS4 counties in completing their Phase I reports. Staff are involved in lots of TMDL, restoration planning and monitoring; Anne Arundel County – Round 3 stream sampling plus fish; Howard County – Round 3 biomonitoring program; Charles County – sampling 97 sites for water quality.

Karen Wiggen – Staff are working on the first county stream restoration project.

Richard Mitchell – No news.

Submitted by **Dan Boward**
April 18, 2017