



Maryland Water Monitoring Council  
Maryland Dept. of Natural Resources  
Tawes Building, C-2  
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Sandy Hertz, Maryland Dept. of Transportation  
Chair

Mat Pajerowski, USGS  
Vice-chair

Dan Boward, Maryland DNR  
Executive Secretary

#### Directors

Andy Becker, KCI, Inc. (acting)  
Megan Brosh, Baltimore County DEPS  
Jim Caldwell, Howard County OES  
Jai Cole, M-NCPPC  
Clark Howells, Baltimore City  
Byron Madigan, Carroll Co. BRM  
Richard Mitchell, US EPA  
Joel Moore, Towson University  
Diana Muller, Chesapeake BaySavers  
Charles Poukish, MDE

Jeff Reagan, Biohabitats, Inc.  
Nancy Roth, Tetra Tech, Inc.  
Bill Stack, Center for Watershed Protection  
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

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### Minutes of the MWMC Board of Director's Meeting Tawes State Office Building, Annapolis, MD October 16, 2018

**In attendance:** \*Andy Becker, Dan Boward, \*Megan Brosh, Drew Budelis (guest), \*Jai Cole, \*Sandy Hertz, \*Byron Madigan, \*Richard Mitchell, \*Joel Moore, \*Mat Pajerowski, \*Charlie Poukish, \*Jeff Reagan, \*Nancy Roth, Stu Schwartz (guest speaker), Mark Southerland, \*Bill Stack, \*Ken Staver, \*Matt Stover, \*Chris Victoria, \*Karen Wiggen, \*Michael Williams

**Not attending:** \*Jim Caldwell (no alternate), \*Clark Howells (no alternate), \*Diana Muller (Paula Frohring alternate), \*Mark Trice (no alternate)

\*Board member

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Board Vice-Chair **Mat** Pajerowski called the meeting to order at 10:07. He asked all to introduce themselves.

The minutes from the July 17 Board meeting were approved without correction.

#### Committee and Workshop Reports

##### Groundwater (Mat Pajerowski reporting)

The Committee did not hold a meeting last quarter. There has been no progress on the well project.

##### Information Management (no Chair)

There was much discussion on possible direction for this Committee. **Mat** Pajerowski asked for volunteers for Chair and Co-Chair. No response from the Board. Possible tasks for this Committee – updating the online mapper, updating/enhancing the MWMC Facebook page, starting a LinkedIn account. **Action – Jeff** Reagan will send **Dan** Boward statistics from the MWMC Facebook page. **Mat** suggested that the Facebook and LinkedIn tasks go under the Community Outreach Committee. **Action - Jeff** said he would ask around Biohabitats for volunteers to Chair this committee.

##### Monitoring and Assessment (Andy Becker reporting)

The Committee has not met recently. In August, the Steering Committee for the MBSS IBI workshop met to discuss plans for the event in November, 2018, which will serve as a focus group for a later workshop involving a larger audience. The first event will involve only MS4 jurisdiction staff and some consultants. The Committee will organize a Stream Monitoring Roundtable in late February.

##### Community Outreach and Citizen Stewardship (Jeff Reagan reporting)

The Committee has not made progress since the spring, 2018 Habitat Assessment Workshop. A plan to have a second such workshop in Charles Co. has begun. There was some discussion of MDE's use of citizen science data. There are many databases available. MWMC could develop a catalog of citizen science databases. This may be a job for the Information Management Committee. **Jai** Cole, **Bill** Stack and **Matt** Stover all suggested that information could be compiled by jurisdiction. MDE's Phase MS4 Permit will require the submittal of data by jurisdiction.

##### Student (Joel Moore reporting)

The Committee recently held a conference call that focused on the Student-Professional Networking Session to be held at the Annual Conference from 10:30 – noon. There will be six mentors and the session may flow into lunch for further discussion with additional mentors. Eight students participated in the 2017 session. **Action – Joel** asks the Board for suggestions on possible mentors. **Jai** said the session could also include folks who have recently begun their career, not just students. **Richard** Mitchell suggested giving students

links to job boards like Texas A and M, which has lots of links. **Jeff** Reagan said that the MSRA web page has links also. **Nancy** Roth said someone could send info to college career centers.

### **Board Membership (Matt Stover reporting)**

**Mat** Pajerowski and **Mark** Stover will continue on with the Board for another 3-year term. **Clark** Howells and **Matt** Stover both needed a special vote and all were confirmed for another term. Eight Board members could leave the Board at the end of 2019. Matt asks these potentially outgoing folks to think about staying on the Board.

### **2018 Annual Conference**

**Dan** Boward updated the Board on the status of Annual Conference planning. The Planning Committee met three times in 2018 and will meet once more on Oct. 23 to finalize the agenda, etc. Abstract submittal and registration deadlines were mentioned as well as the estimated budget. There are 187 registered and 27 abstracts submitted. Thirteen vendors and 3 sponsors provided \$5,950 in revenue. DNR submitted a CBT mini-grant application request for \$5,000 to support the Conference. Six students signed up for the Student-Professional Networking Session. There was one entry for the Weber Award. The social will be held at Checkerspot Brewing from 5:00 to 7:00. **Andy** Becker is looking into the giveaway. Volunteers are needed to moderate sessions. **Mat** Pajerowski, **Sandy** Hertz, **Jai Cole**, Chris Victoria, **Drew** Budelis, **Mark** Southerland, and **Jeff** Reagan all volunteered.

### **News Roundtable**

**Byron** Madigan – His agency has been working on many reports that contain good data.

**Ken** Staver – It has been a busy monitoring summer.

**Jai** Cole – Working on issues related to deer management and restrictions.

**Richard** Mitchell – EPA has completed the first of a two-year rivers and streams assessment and work continues on new protocols for all waterbody types as well as new training tools to decrease time spent on in-person training.

**Nancy** Roth – Tetra Tech continues to work on reporting on healthy watershed conditions tracking.

**Charlie** Poukish – MDE is working on tracking nutrients in the Sassafra River as related to TMDLs. Volunteers have gotten rashes from exposure to bluegreen algae. MDE is seeking the source. It could be increased levels of microcystin but these algae were not found in the water column. Rashes could have resulted from allergic reactions to algae mats.

**Matt** Stover – MDE continues work on water quality standards for cold water streams. A committee is considering changing use class designations from Class I to Class III based on cold water assessments. A report will be available to review in November.

**Dan** Boward – DNR has begun planning a fourth Maryland Streams Symposium to be held in late 2020.

**Mat** Pajerowski – USGS and Balto. City is collaborating on a PCB study in Back River effluent and ambient environments. Monitoring continues on bedload movement related to the Bloede Dam removal. Seismometers are being used to “hear” bedload movement downstream.

**Drew** Budelis – No report.

**Michael** Williams – Work continues on an analysis of MBSS data, climate change, and land use. This project includes analyses in R and catchment delineations using 30m pixels.

**Karen** Wigger – Charles Co. staff met with MDE’s MS4 staff and learned that the County must use MBSS methods for stream assessment. Staff completed a MDE Water Quality Training Webinar.

**Paula** Frohring (for Diana Muller) – No report.

**Megan** Brosh – Balto. Co. has an anti-litter campaign this weekend with signage. Data on behavior change will be used to model trash load reduction.

**Jeff** Reagan – Biohabitats is working on several stream restoration reports.

**Sandy** Hertz – A Phase II permit is coming to five DOT business units. Two are almost complete with reports going to MDE. SHA’s climate change vulnerability viewer is now online. It contains information on sea level rise. Staff are working on new retrofit and ponds projects.

**Joel** Moore – The Urban Stream Working Group is preparing reports and is planning a Baywide meeting. USGS, MDE, and DNR are cooperating on a project to compile continuous conductivity data to estimate chloride concentrations.

**Chris** Victoria – Anne Arundel Co.’s year-three sampling is underway. Sampling is largely related to permitting.

**Mark** Southerland – Work on Safe Skies Maryland continues (preventing bird deaths through collisions with buildings).

Meeting adjourned at 2:00 PM

Submitted by **Dan** Boward  
January 15, 2019