



Maryland Water Monitoring Council
Maryland Dept. of Natural Resources
Tawes Building, C-2
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Annapolis MD 21401
www.marylandwatermonitoring.org

Clark Howells, Baltimore City DPW.
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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
Caroline Donovan, UMCES
Tim Goodfellow, Fred. Co. Dept. of Planning
Ellen Lathrop-Davis, Comm. Coll. Balto. Co.
Richard Mitchell, US EPA
Joel Moore, Towson University
Diana Muller, South River Federation
Mat Pajerowski, USGS
Tom Parham, Maryland DNR

Mike Pieper, KCI Technologies
Charles Poukish, Maryland Dept. of the Environment
Jeff Reagan, Stormwater Consulting, Inc.
Nancy Roth, Versar, Inc.
Ken Staver, Univ. of MD WREC
Matt Stover, Maryland Dept. of the Environment
Chris Swan, Univ. of MD Balto. Co.
Peter Tango, USGS/Chesapeake Bay Program
Chris Victoria, Anne Arundel DPW

Minutes of the MWMC Board of Director's Meeting Tawes State Office Building - Annapolis April 14, 2015

In attendance: Dan Boward, Dave Briglio, *Kevin Brittingham, *Jim Caldwell, Alison Cawood, *Tim Goodfellow, *Clark Howells, Ron Klauda, *Ellen Lathrop-Davis, *Joel Moore, *Diana Muller, *Richard Mitchell, Don Outen, *Mat Pajerowski, *Tom Parham, *Charlie Poukish, *Jeff Reagan, *Nancy Roth, *Ken Staver, *Matt Stover, *Peter Tango, *Chris Victoria *Caroline Ö [çæ]

Not attending: *Sandy Hertz (no alternate), *Mike Pieper (no alternate), *Chris Swan (no alternate)

*Board member

The meeting convened at 10:07 AM. Chairman **Howells** was delayed in traffic so Executive Secretary **Boward** began the meeting. Everyone introduced themselves, including the two guests – **Alison** Cawood (SERC) and **Dave** Briglio (EA).

The minutes from the January, 2015 Board meeting retreat were approved with slight modification.

Committee Reports

Monitoring and Assessment (Chris Victoria and Ron Klauda reporting)

The Committee met on February 27, 2015. Ron summarized the January, 2015 Climate Change workshop. The Committee discussed new ideas presented during the October, 2014 MWMC Board retreat: a USGS-led workshop on continuous monitoring; an ICC workshop; and a road salt workshop. The latter drew the most interest. **Clark** Howells and **Mike** Pieper my take the lead on this workshop. The Committee will meet again in May, 2015. **Chris** summarized the first meeting of the new Stream Restoration Monitoring Subcommittee (SRMS). **Jana** Davis (CBT) presented the pooled monitoring effort. The intent of this is to increase communication between practitioners and monitoring entities. **Diana** Muller and **Nancy** Roth helped report on this meeting. **Kevin** Brittingham indicated that there may be some parallels between the Urban Watershed Initiative (led by USGS) and the SRMS. **Action Item – Nancy** will contact **Emily** Majier (USGS) to learn more about possible parallels and report back to the Board.

Community Outreach and Citizen Stewardship (Caroline Donovan and Jeff Reagan reporting)

The Committee now contains five members who met via phone in mid-February. Current Committee goals: update the watershed association spreadsheet and add new questions to the Survey Monkey survey. There's a proposal to change the Committee name to Citizen Science and Community Stewardship with associated changes in the MWMC by-laws. **Action Item – Caroline** will send new draft wording to the Board via email. **Jeff** is working on the MWMC Facebook page. **Action Item – Jeff** asks all Board members to "like" the Facebook page. **Clark** asks Board members to send material to **Jeff** for posting on Facebook.

Information Management (Tom Parham reporting)

Tom reminded everyone of the history of the clickable map. The revised version will include sites monitored around stream restoration projects. Once the revised map is live, **Dan** will solicit data points and associated information from data collectors.

Groundwater (Mat Pajerowski reporting)

The Committee did not meet during the previous quarter. Members are planning a road salt workshop around October, 2015. Actions in preparation for this workshop include finding a venue for about 100 registrants (maybe UMBC), recruiting speakers (**Tim** Goodfellow will invite someone from Frederick Co. Roads Dept.; **Sandy** Hertz will ask someone from SHA, **Clark** Howells will ask someone from the Reservoir Technical Group, **Mike** Pieper will help with email announcements. **Ellen** Lathrop-Davis will look into CCBC as a venue. **Joel** Moore offered to help plan the workshop.

Indicators (Charlie Poukish reporting)

Charlie describes the draft MDE spreadsheet with standards and how they link to the 303(d) list and online maps. The Committee is in a “holding pattern” and there’s a need for technical support. **Action Item – Matt** Stover will send **Dan** a link to online standards maps for placement on the MWMC website. **Action Item – Jeff** Reagan will post Matt’s map on the MWMC Facebook page.

Student Committee (Caroline Donovan reporting)

Action Item – Caroline will send a draft Committee description to the Board for review. There was some discussion about what level of student to involve and what would the students do as part of the MWMC? Clark suggests doing some outreach to career centers to get interest in the student poster competition. **Jeff** will look into promoting at the Environmental Science Club at UMUC. **Action Item – Dave** Briglio offered to help with the Student Committee. **Joel** Moore said there are about 200 enrolled in the Towson University Environmental Science major and perhaps some of these could help with GIS work.

2015 Annual Conference update

Dan and other Conference Planning Committee members discussed topics from the April 13 meeting of the Conference Planning Committee. The draft theme will focus on water supply and sustainability. **Clark** recommends **George** Hawkins (DC) or **Rudy** Chow (Balto. City) as possible speakers. All agreed to raise registration fees \$5. The venue is not yet determined. There may be a custom flash drive as a giveaway. **Andy** Becker, **Tom** Parham, and **Kevin** Brittingham will serve on the Student Poster Committee. **Clark, Matt** Stover, **Tom, Sandy** Hertz and **Cathy** Weber will serve on the Weber Award Committee. All agreed that we should have the social at Heavy Seas again.

Workshops

Climate Change (Ron Klauda reporting)

Ron recapped the Jan. 27, 2015 Climate Change Workshop and Freshwater Streams held at the National Wildlife Visitor’s Center. Two speakers cancelled. Weather was an issue. About 100 attended. The event netted MWMC \$747. Registration was either \$30 or \$40. He described the speakers and their topics. A post-conference survey generated about 25 responses. The synopsis is online. The workshop resulted in no recommendations for future action on climate change and streams.

Stream Monitoring Roundtable (Dan Boward reporting)

The 8th Annual Roundtable was held on Feb. 19 at the USGS Water Science Center in Catonsville. About 45 folks attended and there were 21 presentations on monitoring programs throughout MD. **Andy** Becker generated an interactive displaying over 1,000 data points. **Rachel** Beebe (Howard Co. Office of Sustainability) provided a lunchtime presentation on the County’s stream monitoring app. The map and agenda are on the MWMC website.

Road Salt Workshop (Mat Pajerowski reporting)

See report above in Groundwater Committee.

Apps Workshop (Tom Parham reporting)

Tom Parham has researched water quality (and other) apps. He plans to email the MWMC membership asking the question “is there a gaping hole in the availability of useful apps?” The workshop would also address what apps are currently in use and what are the needs of potential app users. No date for the workshop has been set.

Wildlife and Water Quality (Peter Tango reporting)

Peter has a few potential speakers lined up for the workshop. It may take place as a webinar. It may include a description of source tracking. No date has been mentioned.

Lunchtime presentation - Don Outen (Baltimore Co. DEPS)

Don’s talk was titled “The Prettyboy Watershed Collaborative: A Watershed-based Collaborative Stewardship Approach for Management of Forest Agricultural Resources”. There was a great deal of discussion afterward on topics related to reforestation, lawns, landowner incentives, and partnering for more effective projects. Don’s presentation will be posted on the MWMC Board webpage.

News Items

Joel Moore – No news.

Diana Muller – Staff will be presenting the South River Report Card next week. There will be a South River Bioblitz September 11 – 12.

Caroline Donovan – **Caroline’s** group is sponsoring a new Bay Survey at www.baysurvey.org. This CBT-funded project will ask about homeowner involvement in cleanup efforts.

Jeff Reagan – MWMC needs to have more t-shirt sizes available.

Richard Mitchell – The National Coastal Assessment Project will be completed during summer of 2015

Alison Cawood – No news.

Chris Victoria – No news.

Matt Stover – MDE is updating its list of Tier II waters. Staff continue to develop chloride criteria, addressing roadblocks and reviewing EPA's proposed conductivity criteria.

Ron Klauda – **Ron** is volunteering with the Calvert Co. Environmental Commission.

Dan Boward – DNR continues to support the Marcellus Monitoring Coalition in Garrett Co. DNR staff recently completed the MBSS spring training and summer training will be held at Hood College toward the end of May

Dave Briglio – No news.

Charlie Poukish – No news.

Kevin Brittingham – Staff have increased bacteria monitoring (now about 100 streams) and have added additional benthic sampling to support the County's sediment TMDL data needs. There may be some new fish tissue sampling for PCBs, chlordane, and dioxin.

Clark Howells – Baltimore City is developing a drought forecast model to help maintain good water quality in reservoirs.

Mat Pajeroski – Water conditions (long-term flow and well levels [$>$ 30y record] are online at md.water.usgs.gov. Staff have completed a circular (#1406) that describes nutrient conditions on Maryland's eastern shore. There's a recent report on sediment fingerprinting from Lake Linganore that estimates sediment sources from different land uses. USGS has begun real-time water quality monitoring downstream from Conowingo Dam.

Nancy Roth – Versar is doing lots of county MS4 work. Other projects include MDE BMP data requirements, a Baltimore Co. Lower Gunpowder SWAP, and identifying restoration opportunities in Howard Co.

Ellen Lathrop-Davis – No news.

Peter Tango – Peter attended a recent Citizen Science Conference in San Diego and raved about it. The next one will be somewhere in Europe in two years. There is an upcoming Mid-Atlantic Volunteer Monitoring Conference in Winchester, VA in August. The National Water Monitoring Conference will be held in May 2016 in Tampa. The Chesapeake Bay Monitoring Strategy is under review with an emphasis on what indicators are needed.

Ken Staver – **Ken** is working on Version 6 of the Bay Watershed Model that includes an accounting tool for updating TMDL efficiencies (for 2017).

Meeting adjourned at 2:00 PM

Submitted by **Dan** Boward
July 14, 2015