



## Urban Stormwater Workgroup Meeting

Tuesday, April 18, 2017

10:00 AM to 12:00 PM

### Meeting Summary

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#### **Welcome and Review of February Meeting Minutes.** Norm Goulet, Chair. Attach A.

- Minutes from the February meeting were approved.

#### **Announcements**

- Stream FAQ Update, D. Wood: There will be a special joint sediment delivery webinar on April 19<sup>th</sup> from 1-3 PM. Information and a recording of the webinar is available [online](#).
- IDDE Advanced Program Credit Update, D. Wood: In February, the USWG agreed to extend the program credit by 3-4 years. Workgroup leadership will then get approval by the WQGIT. The nutrient elimination credit will also be incorporated.
- BUBBAs Contest and Stormwater Retreat, D. Wood: At the Stormwater Retreat in March, Howard County's Lot E staircase and water quality improvement project won the BUBBAs people's choice award. Information is available on the CSN website.
- New Tree Canopy Tracking Tools, D. Wood ([Attach B.](#)): The Chesapeake Riparian Forest Buffer Network and Chesapeake Tree Canopy Network tools have been launched.
- MTD Update, N. Goulet: The group had their first meeting last month and will reconvene in May. The grant was fully approved, and Norm will be providing regular updates to the USWG.
- [USWG Membership](#), N. Goulet: Norm and Tom proposed eliminating the staggered membership terms for local government representatives, and instead will allow for up to 2 local government representatives from each state.
- Proposed Strategic Approach to P6 Model Review, N. Goulet ([Attach C.](#)): All of the sector workgroups have been assigned responsibility for reviewing the Phase 6 model and documentation. During the May meeting, the USWG will invite Peter Claggett and Karl Berger to present on the Phase 6 land use and land cover inputs.
  - Norm and Tom suggested holding an extended meeting in June in order to review the Phase 6 model documentation and inputs. The workgroup will then finalize their comments during their July meeting.

#### **Midpoint Assessment Schedule Changes.** N. Goulet, [Attach D.](#)

The Water Quality Goal Implementation Team recently discussed revisions to the Midpoint Assessment Schedule. Norm gave an overview of the changes and the impacts on the Urban Stormwater Workgroup. No questions were raised.

**Model Review Tools.** Olivia Devereux, Devereux Environmental Consulting and John Wolf, USGS.

Olivia and John reviewed the data and tools available online to facilitate review of the draft Phase 6 Model inputs and outputs.

Transition to Phase 6 Website: <https://mpa.chesapeakebay.net/Phase6FAQ.html>

Phase 6 Draft Final Input Data: <https://mpa.chesapeakebay.net/Phase6DataVisualization.html>

Using CAST-2017 for nutrient and sediment reduction planning: <http://cast-beta.chesapeakebay.net/>

- Jamie Bauer: When you select non-federal lands, does that include everything except for federal facilities? IE – state highways, etc?
  - Olivia Devereux: Yes, except in the state of MD because they have 2 additional categories of agencies (SHA and ‘state’).
- Karl Berger asked if the mapped nutrients applied visualized on the Tableau website could be differentiated for urban versus agricultural land uses. Olivia replied that she would make that information available.
- Tom Schueler asked what QA procedures for inputting onto the website. Olivia Devereux replied that the data is pulled directly from the CBP databases, but there could be logic errors. The CBP staff have reviewed for errors, but others are encouraged to review and provide feedback to Olivia Devereux.
- Questions on [gis.chesapeakebay.net](http://gis.chesapeakebay.net) visualizations should be directed to John Wolf ([jwolf@chesapeakebay.net](mailto:jwolf@chesapeakebay.net)). Questions on input data hosted on the Tableau [mpa.chesapeakebay.net](http://mpa.chesapeakebay.net) website should be directed to Olivia Devereux ([Olivia@devereuxconsulting.com](mailto:Olivia@devereuxconsulting.com)).

**USWG Panel and Research Priorities.** Tom Schueler, CSN. [Attach E](#) and [F](#).

USWG members were asked to update their list of priority BMP expert panels, as well as describe any research needs that could potentially be addressed through the Bay Program’s cooperative agreement with Virginia Tech.

- Norm Goulet noted that education and public outreach is consistently identified as a potential panel. Tom replied that CSN would spend time reviewing outreach and stormwater education literature and materials.
- Norm Goulet also noted that leaf litter was frequently discussed. CSN will be hosting a leaf litter webcast this Thursday (April 20). Information is available on the CSN website.
- KC Filippino: We know there is research to address the shoreline erosion panel and their first protocol, but we would appreciate an update on the status of that work since it hasn’t been completely finalized.
  - Tom Schueler replied that when additional work being done by the CBP has been completed related to P in shoreline erosion, that they would present it back to the USWG.
  - Norm Goulet: Even though the expert panel report was approved, I suspect we’ll have to go through the entire approval process once again.
- Jamie Bauer: We’ve gotten a few questions on treatment trains and reporting, and how calculations should be done and reported. I don’t know if there’s anything available on that topic, so it could be of interest to some of our folks.

- Norm and Tom replied that they could bring back some information to the workgroup.
- Jeff Sweeney: We greatly prefer that this be treated as meeting a certain performance standard or retrofit. That was why we set up the considerations this way – so that we could capture many different types of practices, such as treatment trains.
- Heather Gewandter: There was research done on soil aeration and supplemental practices and how that impacted water quality. I'm not sure if there was any interest to explore that further.
  - Tom Schueler: We'll look into that – soil amendments have fallen through the cracks. Impervious cover disconnection is treated in a very complex manner, so David and I can take a look at that to see how it fits. We've also been getting questions on visual indicators for BMP verification and performance assessment, and we have one task in our workplan to look at visual indicators for non-stormwater practices.
- Karl Berger asked about self-converted dry ponds, and whether the group was still in agreement that there is not enough data to do an expert panel for this practice.
  - Tom Schueler: We've been working with CWP for performance-enhancing devices for bioretention and sand-filters. That should be ready in either May or June. Regarding self-conversion, I'm not sure if the follow-up research has been funded.

#### **USWG Agenda Planning for May. N. Goulet**

- The May meeting was originally scheduled as a face-to-face, but will likely be transitioned into a conference call. The June meeting will probably need to be face-to-face in order to address items related to the Phase 6 model review.
- Agenda items for May include:
  - Phase 6 land use inputs
  - Methodology and results for 2025 projected land uses and hindcasting
  - PEDs for urban BMPs
  - Stream FAQ
  - Phase 6 model review

#### **Attachments.**

- Attach A. February USWG Meeting Minutes
- Attach B. Tree Canopy Tracking Tools Memo
- Attach C. Proposed Phase 6 Model Review Strategy Memo
- Attach D. Revised Midpoint Assessment Schedule
- Attach E. USWG BMP Panel Queue
- Attach F. Urban BMP Expert Panels' Future Research Needs

Participants:

<b>Name</b>	<b>Affiliation</b>
Norm Goulet	NVRC
Tom Schueler	CSN
David Wood	CSN
Lindsey Gordon	CRC
Olivia Devereux	Devereux Consulting
Cecelia Lane	DOEE
Rebecca King	
Lee Murphy	PA DEP
Randy Greer	DE DNREC
Elaine Webb	DE DNREC
Julianne Bautista	DC DOEE
Heather Gewandter	City of Rockville MD
Jill Sunderland	HRPDC
KC Filippino	HRPDC
Jamie Bauer	VA DEQ
Karl Berger	MWCOG
Greg Busch	MDE
Christina Lyerly	MDE
Liz Ottinger	EPA
Jeff Sweeney	EPA
Kate Bennett	Fairfax County VA
John Wolf	USGS
Mark Hoffman	CBC
Sebastian Donner	WV DEP
Alana Hartman	WV DEP
Mukhtar Ibrahim	MWCOG
Raghu Badami	Anne Arundel County MD
Ginny Snead	The Louis Berger Group, Inc.