

Chesapeake Bay Program Watershed Technical Workgroup Purpose and Scope



Reviewed: 5/5/22



Today's Discussion

Leave with a better understanding of:

- Member expectations and contributions
- How we can develop more effective productive agendas
- Topics of interest for future meetings
- The current scope and purpose/The role the WTWG plays in the CBP
- WTWG's role in Model Phase Development

Menti Questions

How do you view your role as a WTWG member?

What would you like to see the WTWG discuss in future meetings?

How could our WTWG meetings be more effective and engaging?

WTWG Roles and Responsibilities

[WTWG Homepage](#)

Purpose

- Provide a forum for communication and discussion between and among the jurisdictions and other CBP participants on technical issues related to BMPs, Chesapeake Bay Watershed Model processes, and management strategy development and implementation.

WTWG Roles and Responsibilities

[WTWG Homepage](#)

Main Tasks

- **Support** the Water Quality Goal Implementation Team (WQGIT) and the greater Bay Program partners in **implementing management strategies** to achieve the nutrient and sediment reductions necessary to restore the Bay.
- **Review and approve the recommended BMP definitions and efficiencies** from source workgroups and local jurisdictions, in collaboration with the Scientific and Technical Advisory Committee (STAC) and WQGIT workgroups. Ensure that BMPs are consistent across sectors.

WTWG Roles and Responsibilities

[WTWG Homepage](#)

Main Tasks


- Review and approve how BMPs are tracked and reported by CBP partner jurisdictions and agencies for use in the Watershed Model to ensure that the assumptions accurately reflect real world conditions and are consistent and equitable between the different sectors.
- Review and approve how BMPs are simulated in the Watershed Model to ensure that the assumptions accurately reflect real world conditions and are consistent and equitable between the different sectors.

WTWG Roles and Responsibilities

[WTWG Homepage](#)

Main Tasks

- Provide technical review & recommendations to the CBP Modeling team on Watershed Model Processes and input data.
- Review and/or assess scoping scenarios, as needed.



Other Charges to the WTWG

Charges from the Grant Guidance and Updated BMP Protocols:

- Review new expert panel reports and technical appendix
- Review requests for changes to data collection and reporting requirements for BMPs
- Review requests for changes to the NEIEN Appendix and approve NEIEN Appendix https://www.epa.gov/system/files/documents/2022-04/attachment-7_data-submission-specifications-and-requirements_march-2022.pdf

Charges from the Verification Framework:

- Develop a method for applying verification in the model (credit durations)
- Develop the protocols for analyzing BMP submission data (Appendix V)

Charges from the Management Board:

- Revisiting back-out and cut-off procedures.



Other Roles the WTWG May Play:

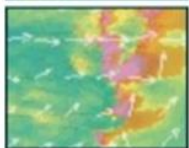
- Forum to discuss CAST topics that are outside the scope of the modeling workgroup
 - Review technical changes to CAST (e.g. backout/excess)
 - non-bmp data submissions to CAST (e.g., biosolids, CSO, animal unit percents, construction acres, harvested forest acres)
- Forum to discuss annual progress submission challenges and seek assistance
- Forum to discuss how we use the CAST data outside of just progress reporting

Data and Model Inputs

Pollution Control Data
Land Use Data
Point Sources Data
Septic Data
U.S. Census Data
Agricultural Data



Land Use
Change
Model



Airshed
Model

Precipitation Data
Meteorological Data
Elevation Data
Soil Data

Phase 6 Watershed Model/CAST



Estuary Model

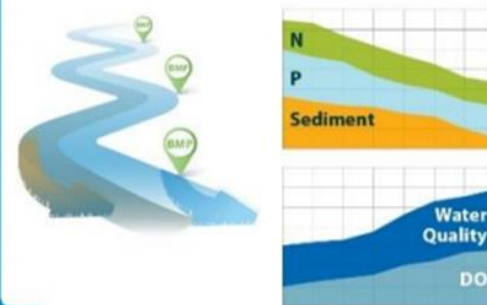


Model Outputs

Prediction of Impacts



BMP Implementation Results



Model Phase Development

What role should the WTWG have in P7 development?