

Chesapeake Bay Program Modeling in 2025 and Beyond: A Proactive Visioning Workshop

January 17-19, 2018, National Conservation Training Center, West Virginia

Welcome!



Chesapeake Bay Program Modeling in 2025 and Beyond: A Proactive Visioning Workshop

Steering Committee: Raleigh Hood (co-chair)
Gary Shenk (co-chair)
Bill Ball
Peter Claggett
Lora Harris
Tom Ihde
Lewis Linker
Chris Sherwood
Lisa Wainger

STAC: Rachel Dixon
Elaine Hinrichs



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Day 1 is to learn about the current CBP modeling system and the management context.

- Management goals (Currey)
- Management challenges (Batiuk)
- Panel discussion on cross-cutting topics (Phillips, Wainger, Voinov, Hutton, Harris, Shenk)
- Reviews of the existing CBP models (Bash, Claggett, Shenk, Cerco, Ihde)
- Review of previous STAC advice (Wainger)
- Strawman for 2025 models (Linker)
- Science Keynote (Rose)
- Happy hour breakout group meetings (all)



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As you listen to presentations today, please write your thoughts on a sticky note (1 thought per sticky note) and bring to Happy Hour to go over with the leads of your breakout session. Some questions to stimulate your thinking:

1. Given the long history of modeling in the Chesapeake Bay, where are the most urgent needs of the model *in terms of management goals*?
2. How do these management goals intersect with *scientific modeling challenges* that must be overcome in order to build a successful modeling suite?
3. What barriers exist to a successful modeling suite beyond scientific challenges (e.g., institutional, resource-related, disconnects between modeling management goals and capabilities)?
4. What modeling fixes are the true “low hanging fruit” that can come to fruition on short order and also be useful in meeting our goals?
5. What outside-the-box strategies from your own field might be useful to consider or incorporate into this model visioning exercise?



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Description of Workshop:

The Chesapeake Research Consortium (CRC), the Chesapeake Bay Program (CBP), along with the Chesapeake Community Modeling Program (CCMP) and CSDMS/Chesapeake Focus Research Group (CFRG), is convening this three-day workshop. ***Our goals are to understand the status of the current CBP management modeling system and discuss future directions for management modeling with a view toward developing a roadmap for future CBP modeling in 2025 and beyond.***



This workshop will be guided by the following overarching questions:

Description of needs:

What are the likely management needs of the CBP partnership over the next decade? What are the scientific, computational, and data management challenges the CBP faces in the coming years?

Review of advice:

How can information and recommendations from previous workshops and committee reports and organizations like the STAC, National Research Council (NRC), CCMP and CSDMS be brought to bear to address these needs?

Description of resources:

What human and infrastructure resources are going to be available to meet these future needs and challenges? How can resources be used more efficiently and collaboration among government, private, and academic partners be maximized?

Visioning for 2025 and beyond:

What well-informed, realistic, and unified vision for future modeling will guide the CBP into the future? What critical changes and upgrades will have to be made to the CBP modeling system to meet these challenges? What additional resources might be needed and how might the various stakeholders and partners work most effectively to find these?

Organization:

Day 1 is to learn about the current CBP modeling system and the management context.

Day 2 is to get into the details of each small breakout and draft the recommendations.

Day 3 is to make sure that the recommendations stand after 'sleeping on them' and discussing with large breakouts. We will also be hearing reactions to the workshop discussion and recommendations from managers and generalists (Cross-Cutters*).

*Cross Cutters (Wainger, Currey, Hutton, Davis-Martin, Montali) are charged with observing, collecting impressions, interjecting now and then, and reporting out on day 3.



Products:

A STAC workshop report.

A synthesis / review article for the journal *Ecological Modeling*.



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