



Chesapeake Bay Program  
Science. Restoration. Partnership.

**Management Board**

**October 15, 2020**

**Actions/Decisions**

**Climate Change Policy Decisions:**

- **Decision:** The Management Board approved items 1-5 of the WQGIT’s recommendations to the Management Board, as amended:
  1. Accept updated models for use in re-evaluating climate change for 2025 and 2035.
  2. Exclude model estimated non-attainment in shallow open water from the climate change allocation.
  3. Exclude model estimated non-attainment in open water in CB6 and CB7 from the climate change allocation.
  4. Criteria Assessment Protocol (CAP) Workgroup will evaluate climate change risks to current water quality standard criteria and designated uses, including the open water designated use for CB6MH and CB7MH. ***A review of historical monitoring in these areas shows pycnoclines exist annually, justifying the Deep Channel designated use is appropriate in the area.***
  5. 2025 climate change estimate will consider main Bay DW/DC and ensure additional non-attainment returns to 2017 Planning Target levels and within existing variances.
- **Decision:** The Management Board endorsed the following additional recommendations for submission to the PSC for consideration (as originally numbered, re-ordered):
  6. **Jurisdictions will be expected to account for additional nutrient and sediment pollutant loads due to 2025 climate change conditions in a Phase III WIP addendum and/or 2-year milestones beginning in 2022.** Incorporate the additional nitrogen (N) and phosphorus (P) loads due to 2025 climate change conditions into Programmatic Milestones no later than the 2022-2023 Milestones, with all actions to achieve those reductions in place by 2025.

~~10.~~ 7.

State	2025 Climate N	2025 Climate P
DC	0.007	0.001
DE	0.039	0.003
MD	1.142	0.111
NY	0.399	0.044
PA	1.811	0.095
VA	1.589	0.337
WV	0.000	0.009
<b>Total</b>	<b>4.986</b>	<b>0.599</b>

- ~~11.~~ 8. Include a narrative in the 2022-2023 Milestones that describe the current understanding of 2035 climate change conditions, to the effect that “Preliminary estimates for the climate impact through 2035 **indicate** suggest a doubling of the 2025 load effect. ~~, suggesting that~~ The effect of climate change on our ability to meet the Bay’s water quality standards is an ongoing **significant and increasing** concern.” Specific language for the narrative will be developed by the WQGIT (and potentially ready for MB approval in December).

- 8. 9. Continue efforts to improve understanding of the science and refine estimates of pollutant load changes due to 2035 climate change conditions.
  - a) Develop a better understanding of the BMP responses, including new or other emerging BMPs, to climate change conditions.
  - b) Compare the current 2025 climate change assumptions with measured climate conditions through 2024.
    - i. To include: rainfall volume, intensity and distribution; air temperature, hydrology, water temperature, sea level rise, and changes in bay stratification and circulation.
  - c) Consider the efficacy of using projections from measured trends versus downscaled global climate model data for revised 2035 estimates.
  - d) *Improve understanding and simulation of climate change impacts to open water designated use in shallow waters.***
- 9. 10. In 2025, the Partnership will consider results of updated methods, techniques, and studies and revisit existing estimated loads due to climate change to determine if any updates to those 2035 load estimates are needed.

#### **Clarifying the Process for Updating CAST-21**

- **Decision:** The MB declined to revisit the 2016 decision on updating the model. Therefore, that decision stands as-is and the default position is approval of final model updates every two years. If there are any issues of concern with a future model update, the WQGIT and/or any MB member may petition the MB for consideration. The WQGIT may, if they so choose, draft a clarification statement for MB approval.

#### **CBP Response to STAC Workshop Recommendations on Toxic Contaminants of Concern in Agricultural and Urban Settings**

- **Decision:** The MB approved the five actions proposed by the Toxic Contaminants Workgroup to address STAC's recommendations for the Toxic Contaminants of Concern in Agricultural and Urban Settings workshop report. The CBP response to the workshop recommendations is approved by the MB and will be sent to STAC.

#### **STAC Efforts to Assess Impact of Covid-19 on Partnership Outcomes**

- **Action:** STAC has started a review process to identify impacts, changing dynamics, and novel insights from COVID-19 and will use these findings to host a workshop to inform current and future efforts to reach management targets for the Chesapeake Bay. Management Board members are asked to contact Annabelle Harvey with suggestions for topics or trends that they believe are important and may not have been addressed in prior conversations and identify the highest priority areas for STAC's focus.

#### **SRS Wrap-up and Follow-up actions from August Clean Water Cohort Review**

- **Forest Buffers:**
  - **Action:** The MB approved the requests of the Forest Buffers Workgroup aimed at securing leadership and support for Riparian Forest Buffer goals throughout the Chesapeake Bay Watershed. Specifically, MB jurisdictional members are asked to
    - a) identify two or more landowner assistance programs that could potentially be altered to include a stronger forest buffer component;

- b) flag potential state or federal funding streams that could be leveraged with private funding for a Natural Filters Restoration Program (NFRP)-type program; and
  - c) nominate a high-level point of contact (MB, fiscal, Bay restoration, or water quality person) who will help investigate whether an NFRP-type program would work their state; and
  - d) produce a high-level strategic action plan for RFB to better coordinate across partner affiliates and that incorporates improved technical assistance efforts
- Responses should be sent to Sally Claggett and Garrett Stewart.

- **WQ Standards Attainment and Monitoring**
  - **Action:** MB members are asked to commit to having agency staff participate in collaborative monitoring efforts by:
    - 1) Identifying jurisdictional technical staff who can help scope monitoring analyses, have knowledge of jurisdictional data sources, and can participate in conducting analyses with CBP staff; and
    - 2) Identifying staff or points of contact from jurisdictional agencies *other than* the lead WIP agency (e.g. agricultural agencies, natural resource/conservation agencies, transportation agencies) or other key partners (e.g. MWCOG), who could contribute to these discussions especially around trend assessment, results, and making linkages between the watershed and the Bay.

Names should be submitted to Peter Tango.
- **Toxics Research**
  - **Action:** MB members are asked to provide points of contact who are experts in PFAS science to coordinate with WQGIT Toxic Contaminants Workgroup in research in this area. Names should be submitted to Hilary Swartwood.
- **Action:** Dave Goshorn will draft an email with requests for points of contact for each work group and send out to MB members by October 19.

**MB Roll Call 7-09-20** (Member or alternate in bold)

<b><u>Member</u></b>	<b><u>Representing</u></b>
<b>Katherine Antos</b>	<b>DC</b>
John Maleri	DC
<b>Marcia Fox</b>	<b>DE</b>
Clare Sevick	DE
<b>Matt Fleming</b>	<b>MD</b>
Dinorah Dalmasy	MD
<b>Ann Jennings</b>	<b>VA</b>
<b>Jill Whitcomb</b>	<b>PA</b>
Kristin Wolf	PA
<b>Jennifer Pauer</b>	<b>WV</b>
<b>Lauren Townley</b>	<b>NY</b>
<b>Ann Swanson</b>	<b>Chesapeake Bay Commission</b>

**Federal Agencies**

<b>Dana Aunkst (Chair)</b>	<b>EPA</b>
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<b>Jim Edward</b>	<b>EPA</b>
Carin Bisland	EPA
Greg Barranco	EPA
Greg Allen	EPA
Amy Handen	EPA
Lee McDonnel	EPA
Lucinda Power	EPA
Lew Linker	EPA
Suzanne Trevena	EPA
Tuana Phillips	EPA
Bo Williams	EPA
Doreen Vetter	EPA
Michelle Guck	EPA
Doug Austin	EPA, SEE
Jessica Rodriguez	DoD Chesapeake Bay Program
<b>Sean Corson</b>	<b>NOAA</b>
<b>Wendy O'Sullivan</b>	<b>NPS</b>
<b>Genevieve LaRouche</b>	<b>USFWS</b>
<b>Sally Claggett</b>	<b>USFS</b>
Katie Brownson	USFS
<b>Scott Phillips</b>	<b>USGS</b>
Gary Shenk	USGS
Chris Guy	USFWS

#### Advisory Committees

<b>Jessica Blackburn</b>	<b>CAC</b>
Julie Lawson	CAC
<b>Ann Simonetti</b>	<b>LGAC</b>
Jennifer Star	LGAC
Ola Davis	LGAC
<b>Andrew Miller</b>	<b>STAC</b>
Annabelle Harvey	STAC
Meg Cole	STAC

#### Goal Teams

<b>Sean Corson</b>	<b>Fisheries GIT, NOAA</b>
Justin Shapiro	<b>Fisheries GIT, CRC</b>
Julie Reichert-Nguyen	<b>Fisheries GIT, NOAA</b>
<b>Christine Conn</b>	<b>Habitat GIT, MD</b>
<b>Bill Jenkins</b>	<b>Habitat GIT, EPA</b>
Chris Guy	Habitat GIT, FWS
Juliana Greenburg	Habitat GIT, CRC
Megan Ossman	Habitat GIT, CRC
<b>James Martin</b>	<b>Water Quality GIT, VA</b>
<b>Ed Dunne</b>	<b>Water Quality GIT, DC</b>
Whitney Ashead	Water Quality GIT, CRC
Renee Thompson	Healthy Watersheds GIT
Nora Jackson	Healthy Watersheds GIT, CRC

**Angel Valdez**  
**Wendy O'Sullivan**  
**Dave Goshorn**  
**Scott Phillips**

Julie Reichert-Nguyen

Peter Tango

Breck Sullivan

Rachel Felver

Garrett Stewart

Chantal Madray

Laura Cattell Noll

Kristin Saunders

Caitlyn Johnstone

Lara Lutz

Karl Blankenship

Lochenshirt

**Healthy Watersheds GIT**

**Stewardship GIT, NPS**

**Partnering GIT, MD**

**STAR**

STAR

USGS, STAR, Monitoring

USGS, STAR, Monitoring, CRC

Comm Workgroup

CRC

CRC

Local Leadership Workgroup

UMCES

Alliance for the Chesapeake Bay

Bay Journal

Bay Journal