



Modeling Workgroup Conference Call

February 6, 2018

CBPO Conference Room - The Fish Shack
410 Severn Avenue Annapolis, MD 21403

For Remote Access:

Adobe Connect: <https://epawebconferencing.acms.com/modeling> (enter as guest)

Conference Line: 202-991-0477 Code: 1781450

Event webpage:

https://www.chesapeakebay.net/what/event/february_2018_modeling_workgroup_quarterly_meeting_day_2

1:00 Announcements and Amendments to the Agenda – Dave Montali, Tetra Tech and Lee Currey, MDE

1:05 Scenario Optimization Tool for CAST – Daniel Kaufman, CRC

Danny will give an overview of the development of an optimization tool for scenarios run in Phase 6 CAST. The initial development will be described, as well as the major developmental steps anticipated for final development. In addition, a discussion will look into an exploration of the options available to the CBP partnership in order to best serve decision making at all scales from the state-basin to local levels.

1:40 Review of PSC Briefing on 2025 Climate Change Simulation – Lew Linker, EPA-CBPO and Zoe Johnson, NOAA-CBP

The PSC directed the Modeling Workgroup, working with the Climate Resiliency Workgroup to develop and distribute a briefing package in advance of the Principals' Staff Committee's [March] 2018 meeting that will provide greater detail on how the additional nutrient and sediment loads due to 2025 climate change conditions were developed, and the data and assumptions behind those calculations.

2:00 Update on Bay Assimilation Analysis for NY & WV Special Cases – Lew Linker, EPA-CBPO and Gary Shenk, USGS-CBPO

A summary of latest developments and findings on the analysis of additional loads to accommodate the special conditions of the New York basin of an additional allocation of 1M and 0.1M pounds TN and TP, respectively, and in West Virginia's basin for 1.5M pounds of TN. Approaches that examine additional loads based on assimilation capacity and on the estimated 2025 freeboard in the EPA atmospheric deposition of TN allocation to tidal waters and the watershed will be reviewed.

2:10 Modeling Team Priorities for 2018 – Gary Shenk, USGS-CBPO

Now that the work on planning target development is beginning to draw to a close the Modeling Workgroup will be 'turning the page' and turn our efforts to supporting the development of the draft Phase 3 WIPs, full documentation of the CBP models and their findings in support of the 2017 MPA, and other key activities that Gary will describe.

- 2:40 STAC Workshop on *Modeling in 2025 and Beyond* – Gary Shenk, USGS-CBPO**
Outcomes of the January 2018 STAC workshop on *Modeling in 2025 and Beyond* will be briefly summarized. The workshop goals included the description of the anticipated management challenges the CBP faces in the coming years and the changes and upgrades that will have to be made to the CBP modeling system to meet the challenges.
- 2:50 Oyster Aquaculture Influence on Water Quality – Lew Linker, EPA-CBPO, Richard Tian, UMCES, and Carl Cerco, Attain, LLC**
Estimates of the influence oyster aquaculture has on Chesapeake water quality will be reviewed.
- 3:15 Proposed 2018 STAC Workshop for CBP Climate Change Simulation – Mark Bennett, USGS**
Mark will review a proposed climate change STAC workshop which is motivated by the PSCs direction to the Modeling Workgroup to refine the CBP climate change simulation over the next two years.
- 3:30 Modeling Priorities of the STAR Workgroups – Scott Phillips, USGS**
Scott will review the forward-looking modeling and analysis needs identified by the CBP Goal Implementation Teams (GITs) for the Modeling Workgroup.
- 4:00 ADJOURN**