



## Modeling Quarterly Review Meeting

October 2<sup>nd</sup>, 2012

CBPO Conference Room – The Fishshack

410 Severn Avenue

Annapolis, MD

**For Remote Access:**

Adobe Connect <https://epa.connectsolutions.com/modsc/> (Enter as guest)

Conference Bridge: (866)-299-3188 code 2679856222

- 10:00 AM     Announcements and Amendments to the Agenda and Modeling Workgroup Chair Transition– Linker, Montali, and Currey**
- 10:15 AM     Extension of the WSM to 2011 – Guido**  
An extension of the precipitation and meteorological data to 2011 and the subsequent recalibration of the WSM to the new data will be discussed. The extension of the WSM and WQSTM to 2011 will allow application of the new shallow water monitoring data to refine our assessment of open water DO and SAV-clarity water quality standards in shallow water systems.
- 10:45 AM     Midpoint Guiding Principles Discussion – Montali and Currey**  
The Modeling Workgroup members' comments on the draft Midpoint Assessment Guiding Principles (see attached pdf) will be discussed. The Midpoint Assessment Guiding Principles are intended as a touchstone and guide for the Partnership up to and during the Midpoint 2017 Assessment.
- 11:15 AM     Priority Elements of the 2017 Midpoint Assessment – Currey and Montali**  
A discussion of developing a Modeling Workgroup list of priorities for 2017 Midpoint Assessment will be discussed.
- 12:00 noon    LUNCH**
- 1:00 PM       Priority Elements of the 2017 Midpoint Assessment – *Continued***
- 2:00 PM       Chesapeake Modeling Lab Action Team Status - Bennett**  
The results of the first meeting of the team formed to respond to the NAS recommendation for a Chesapeake Modeling Laboratory will be described.
- 2:10 PM       JARWA Special Issue and Proposed CERF Sessions on Chesapeake Bay – Linker**
- 2:30 PM       ADJOURN**



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- 10:00 AM      Announcements and Amendments to the Agenda – Currey-Montali**
- 10:10 AM      Application of RDM Climate Change Analysis – Julius and Johnson**  
Susan Julius and Tom Johnson will describe a prototype application of RDM (Robust Decision Making) in the Chesapeake. RDM is a decision framework which provides quantitative estimates of uncertainty related to management decisions and climate change.
- 10:50 AM      Assessment of the Synergy of Climate and Land Use Change in the Patuxent – Williams**  
Michael Williams will outline work planned in the Patuxent to examine the interaction between future land use and climate changes on Patuxent River flows, loads, and estuarine water quality.
- 11:20 AM      Progress on Lower Susquehanna Dams – Cerco**  
Carl will describe the progress being made on the simulation of the Lower Susquehanna Reservoirs including the initial linked Watershed Model and Water Quality and Sediment Transport Model scenarios being developed to examine Conowingo inflow effects on Chesapeake DO and SAV-clarity
- 11:40 AM      James Chlorophyll Study – Butt-Wang**  
Plans for a detailed multiyear study of chlorophyll in the tidal James River using augmented monitoring and modeling approaches will be discussed. The strategies for integrating the James River modeling system into the larger Chesapeake Model, and the anticipated Chesapeake Bay challenges and benefits of this work will be discussed.
- 12:30 PM      LUNCH**
- 1:30 PM      Ecological Production Function for Chesapeake Bay Benefits Study – Townsend**  
Howard will describe progress in an analysis to assess the impacts of eutrophication on the major fisheries of the Chesapeake Bay and estimate the potential economic benefits to the fisheries associated with reduced nutrient loading prescribed in the Total Maximum Daily Load (TMDL) regulations for the Bay.
- 2:00 PM      Next Steps with CMAQ Simulation – Linker**  
With the recent District Court decision striking down the Cross State Air Pollution Rule (CASPR) which controlled the long-range transport of ground level ozone precursors the Transport Rule reverts back to the Clean Air Interstate Rule (CAIR). The implications that

this rule has on the Chesapeake TMDL and the Modeling Workgroup's next assessments with CMAQ will be reviewed.

**2:15 PM      ADJOURN**