



## **Modeling Quarterly Review Meeting**

December 11<sup>th</sup>, 2013

CBPO Conference Room - The Fishshack

410 Severn Avenue

Annapolis, MD 21403

**For Remote Access:**

**Adobe Connect:** <https://epa.connectsolutions.com/modeling/> (enter as guest)

**Conference Bridge:** (866)-299-3188 code 267-985-6222#

**Event webpage:** <http://www.chesapeakebay.net/calendar/event/18877/>

- 10:00AM      Announcements and Amendments to the Agenda – Montali-Currey**
- 10:05AM      Preparing for a Simulation of Forest Disturbances – Gutierrez-Magness**  
Angelica Gutierrez-Magness will present the status of estimates of disturbed forest area due to silviculture, insect defoliation, drought, and other disturbances over time. Ultimately, an annual time series of the area of forest disturbance in each of the WSM land-river segments could provide the basis for improving Watershed Model performance through refinement of seasonal and inter-annual variability of forest nutrient and sediment loads. A statistical analysis between the new satellite data and the HSPF calibration run will be presented.
- 10:35AM      Analysis of AGCHEM Sensitivities Overview – Shenk**  
Gary Shenk will provide an overview of the ongoing work to develop an all-PQUAL based Phase 6 Watershed Model. With the previously reviewed application of refined precipitation inputs and with the new sediment calibration techniques presented today the outlines of the Phase 6 Watershed Model are beginning to take shape.
- 10:45AM      Extension of the WSM to 2011 – Bhatt**  
Using the extension of the Watershed Model from 2002 to 2012 with the new NLDAS precipitation input, Gopal Bhatt will describe a refined calibration approach for sediment that will improve attainment of expected sediment targets now provided by NRI RUSLE estimates.
- 11:15AM      Potential of Seasonal Factors to Adjust Baseflow Concentration – Mandel**  
Ross Mandel will review of potential of observed seasonal baseflow concentrations in Phase 6 as a replacement of the regional factors and will describe plans for assisting in development of aspects of the Phase 6 Model.
- 11:45PM      Chesapeake Modeling Lab Action Team Status – Pruzinsky**  
The status of the response to the NAS recommendation for a Chesapeake Modeling Laboratory will be reviewed.
- 12:00PM      LUNCH**

**1:00PM      Overview of Phase 6 Status – Shenk**

Gary will present the overall status of the Phase 6 work relative to the WQGIT assignments. In addition, the status and progress of the Ag Modeling Workgroup will be presented.

**1:30PM      Synthesis of Existing Modeling WG Work Plans – Linker**

The existing approved work plans on climate change, Conowingo infill, filter feeders, James chlorophyll, shallow water dynamics, and the Water Quality and Sediment Transport Model will be combined with the Phase 6 work plan into an overall plan and timeline.

**3:00PM      ADJOURN**