Modeling Workgroup Conference Call

June 5, 2018

305 Conference Room
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: 2832221

Event webpage:
https://www.chesapeakebay.net/what/event/may_2018_modeling_workgroup_conference_call

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

1:05 Modeling Workgroup Succession – Lee Currey, MDE; Dave Montali, Tetra Tech; and Mark Bennett, USGS

An update on leadership succession of the Modeling Workgroup will discussed with an eye toward transition at the July 10-11 Quarterly Review.

1:20 Modeling Team Priorities for 2018 – Gary Shenk, USGS-CBPO

A summary of the documentation being prepared for the Phase 6 Watershed and WQSTM models, ancillary reports, and responses to workshops and peer reviews will be discussed, as well as other Modeling Workgroup priority tasks for this quarter.

1:30 Segments in Nonattainment Under Estimated WIP2 Level of Effort Loads – Cuiyin Wu, CRC and Jeni Keisman, USGS-CBPO

Cuiyin and Jeni will review the analysis and report of estimated segments in nonattainment under estimated WIP2 level of effort loads. The Modeling Workgroup will be asked to review the associated report.

2:15 Assessment of Open Water Quality Response to Nutrient Loads from Different Geographic Regions – Andrew Sommerlot, UMCES

The CBP has been successful in relating Deep Channel and Deep Water DO response to nutrient loads from different regions of the watershed, but the Open Water designated use has remained a challenge. In response, Andrew has developed a new analytical approach that relates nutrient loads from different geographical regions to chlorophyll responses in Open Water segments throughout the Bay.

3:10 Estimates of Observed Chesapeake Surface and Bottom Temperatures Over 30 Years – Andrew Sommerlot, UMCES and Richard Tian, UMCES

A key calculation in estimating the influence of climate change has on Chesapeake hypoxia is the sensitivity of response of Bay water vertical temperature profiles to temperature changes in river inflow, ocean boundary, and air temperatures. A review of literature estimates, observation, model estimates will be presented.

4:00 ADJOURN