

Modeling WG Timeline

Revised: 10/3/2016

2016

- Aug 5 – STAC Watershed model review request
- Aug 9 -10 – Modeling Workgroup Quarterly Review. Review modeling revisions and data incorporation. Beta 3 release.
- Late Aug – Release of STAC Conowingo report
- September 9 – Chesapeake Bay Commission Meeting. *The reduced sediment trapping capacity of Conowingo Dam will soon be factored into the TMDL. What will this mean for state allocations?*
- Sept 30 – All inputs final, except land use
- October 4-5 – Modeling Workgroup Quarterly Review. Initial presentations on ranging scenarios, targets, Conowingo infill, climate change and preparation for WQGIT
- Mid October – STAC review summary of watershed model to modeling WG
- WQGIT Climate Change Webinar 10/18 1-3pm (Webinar Access: <http://epawebconferencing.acms.com/crwgweb/>)
- WQGIT Conowingo Webinar 10/20 10-12 pm (Webinar Access: <http://epawebconferencing.acms.com/conowingo/>)
- October 24-25 – WQGIT (Modeling WG Items below)
 - Planning targets methodology (Montali)
 - Findings from initial ranging scenarios, visualization tools (Shenk)
 - Conowingo (Currey)
 - Climate change (Linker)
- October 26 – PSC in person meeting. Midpoint Assessment Topics
- November 15 – CBP reply to STAC watershed model review
- December – PSC meeting. Conowingo and climate change offset policy framework to be completed by the Bay Partnership and presented to PSC. Will not be fully quantified until models are finalized.
- STAC review WQSTM (TBD)

2017

- Jan – March – Final calibration of model
- March – May – Model “fatal flaw review”
- June–Release of Phase 6 Model
- June– EPA releases draft Phase III WIP planning targets which incorporate Conowingo infill
- December – EPA releases final Phase III WIP planning targets

2018

- August – Draft Phase III WIP due to EPA
- December – Final Phase III WIP due to EPA

STAC Guidance in preparation

- Conowingo - completed
- Climate change - completed

Modeling WG Deliverables

Modeling System

- Beta 1 model, documentation and webinar – Webinar March 10
- Beta 2 model, documentation and webinar – Webinar July 7
- Visualization Tools
- Beta 3 model, documentation and webinar
- Beta 4 - ?
- June 2017 - Final peer reviewed model
- June 2017 – CAST, MAST, VAST, FAST

Topic Papers or Talks

- Sept 2016 - Presentation on The reduced sediment trapping capacity of Conowingo Dam and setting the stage for how this will affect allocations under the Bay TMDL.
- WQGIT – Conowingo – In development (due Oct 7)
- WQGIT – Phase III WIP Planning Targets Methodology – in development (due Oct 7)
- WQGIT – Findings through running ranging scenarios through watershed and WQST model (date TBD)

Scenarios

- Calibration – 1985 – 2014
- Progress 1985, 2010, 2015
- No Action
- E3
- 2025 WIP
- Future climate projections
- 2025 land use
- Conowingo (TMDL and current condition)
- Geographic isolation (for estuarine effectiveness)

- Lag times (on/off)

STAC Review

- Watershed model review – Initial review completed
- Water Quality Sediment Transport model review – date?

