

## Shallow Water PI Conference Call Notes

June 13, 2014

### Goals of call:

- To finalize site selection.
  - To discuss input and boundary conditions provided by CBPO
  - To describe next steps.
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- There was agreement that the Chester River inclusive of the CB-segments of CHSMH, CHSOH, and CHSTF, would be the site where all PIs would apply their shallow water model applications.
  - The recommendation of the Chester River site will be forwarded to the Modeling Workgroup for concurrence/approval. (6/27/14 update: The Chester Site was approved by the Modeling Workgroup on their 6/24/14 conference call).
  - There was agreement that the ODU team model application would also be in the same Chester River domain as all other PIs, but that they could also apply the GrassLight code to observed SAV/water quality data in other tributaries that have SAV growing over a greater salinity range. The Bush and Gunpowder were suggested sites for this approach
  - The boundary conditions, initial conditions and inputs will be provided for the period 2002 – 2003 with 2002 available primarily as a spin up year.
  - The following boundary/initial conditions will be provided:
    - Watershed Model Loads
    - Point Sources
    - Atmospheric Deposition Loads
    - Monitoring Station Observed Data
      - Watershed
      - Tidal
    - Wind Forcing
    - Tidal Boundary Conditions – Hydrodynamic and Water Quality
    - Watershed Boundary Conditions
    - SAV observations
    - Bathymetry
    - Coastline
    - Radiation and Heat Flux
    - Wave Energy
    - Sediment Organics and G1, G2, and G3 initial conditions
  - Hydrodynamic Boundary conditions will be done first and will be available for downloading on June 30, 2014

- All boundary and initial conditions will be available via web by going to: [http://www.chesapeakebay.net/groups/group/modeling\\_team](http://www.chesapeakebay.net/groups/group/modeling_team) and then scrolling down to the Projects and Resources tab.
- The selection of the calibration and validation periods will be discussed in the next shallow water PI conference call.