

Shallow Water PI Conference Call Notes

May 2, 2014

Goals of call:

1. To hear the modeling teams' preferences/requirements for what region(s) to model
2. To gauge the extent of what the modeling teams can model with the resources provided

- There was agreement that the PIs should concentrate on one region with common inputs and boundary conditions.
- There was agreement that the region chosen should have lots of shallow water data available. Generally continuous monitoring data was preferred over data flow observations.
- The area chosen should be representative of large regions of the Bay but not be subject to strong flow forcing from a large fall line
- Want to see a good salinity gradient in the chosen site with the presence of SAV across a salinity gradient preferred.
- A simulation site that is large enough to scale up to large representation in the Bay Model is preferred.
- Want to set the open boundary condition far enough away from the area of interest and ensure the boundary conditions conform well to observed surface and bottom observations.
- Looking to have a collaborative approach among the PIs with shared data and resources.
- Management has a strong interest in the success of the shallow water multiple model work with regards to improving assessment of the shallow water quality standards. The Modeling Workgroup has the CBP led on support and oversight of the shallow water modeling work.
- The model domain chosen can be large or small, but the choice of one site for all is important.
- Availability of wind and wave data is important as well as high resolution bathymetry.
- Use of a blind validation period is a good idea.