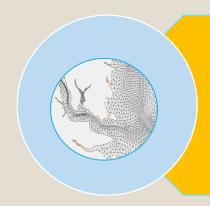
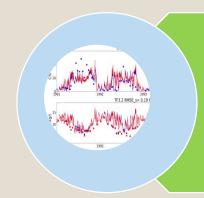


### Outline



**Summary of Current Work** 

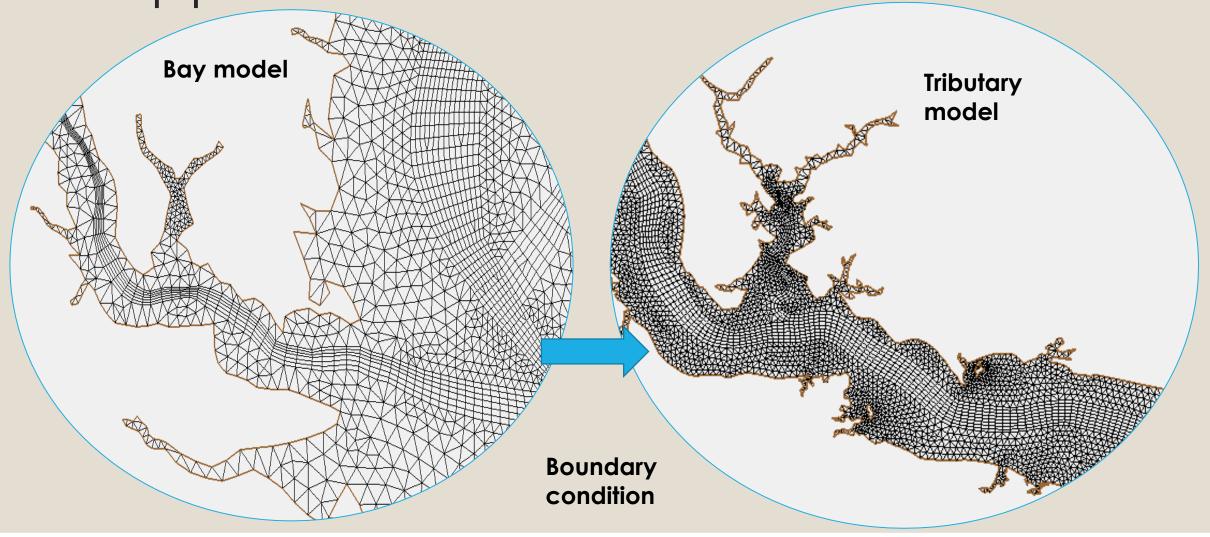


Hydrodynamic Model Results

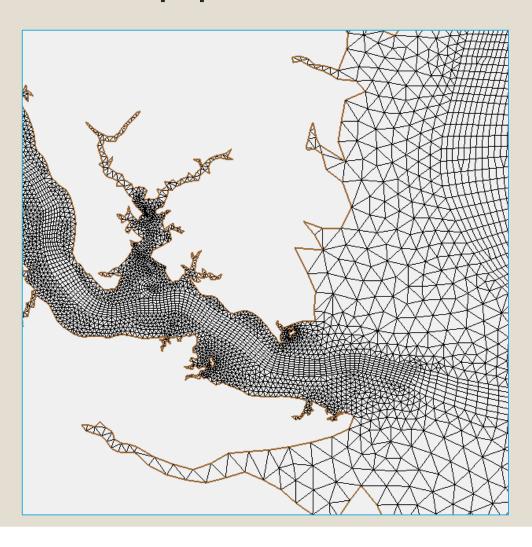
## Summary

- Tested new workflow tools to test the model setup
  - Zhengui revised the workflow, which simplifies the model setup
- Set up a new model and conducted hydrodynamic model simulations

# New Approach for the Rappahannock River Model

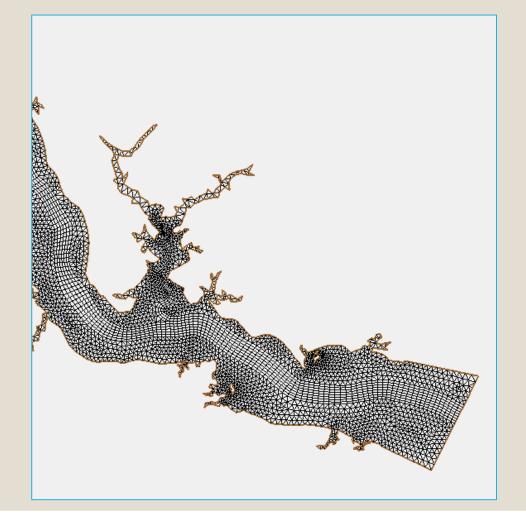


# New Approach for the Rappahannock River Model



Marge final resolution grid to the Bay model

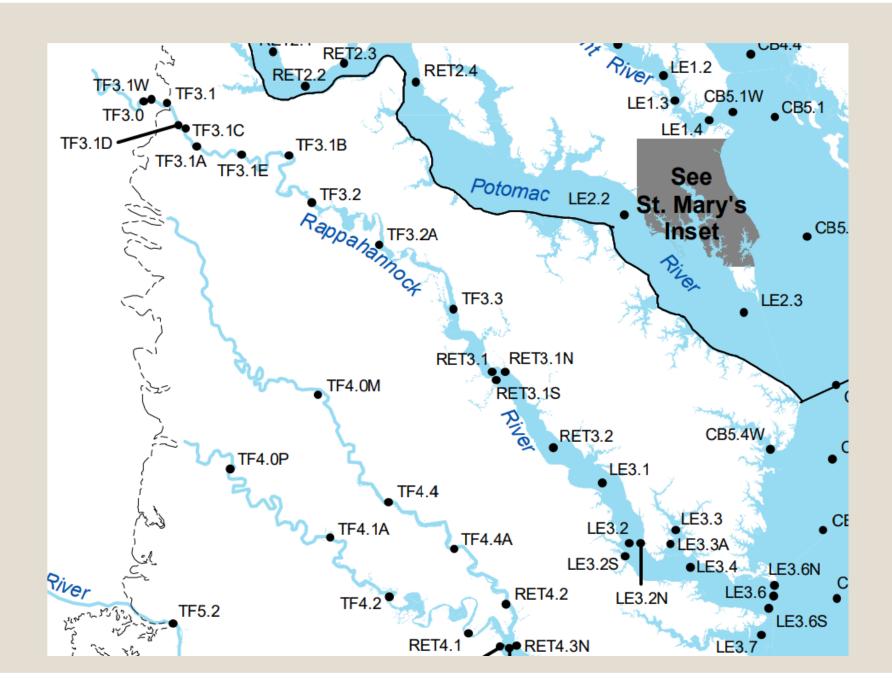




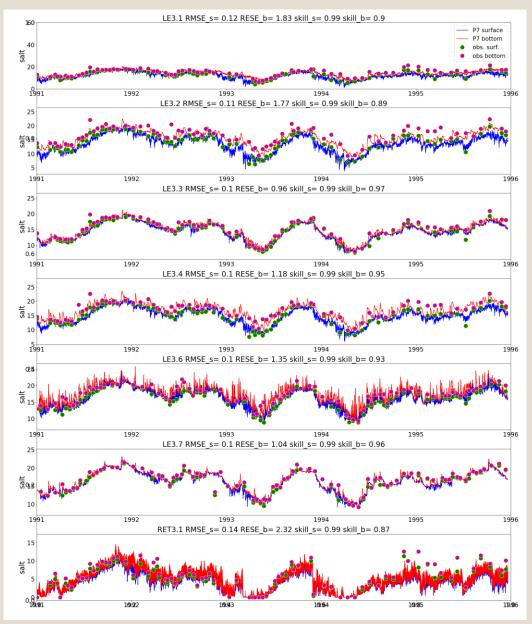
## Advantage

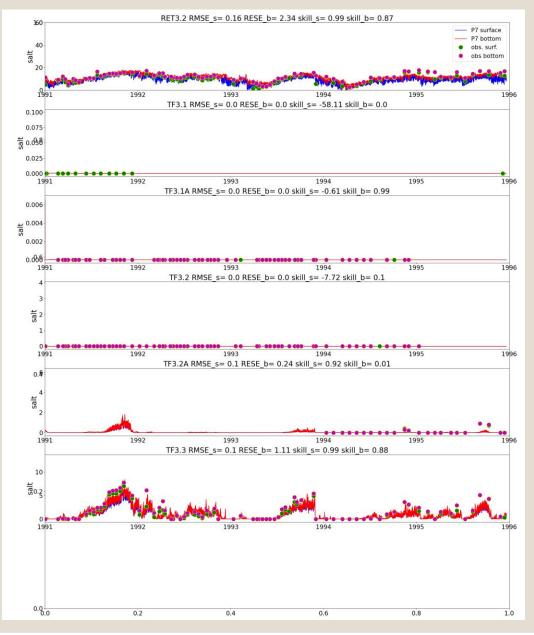
- Account for bidirectional fluxing between the bay and tributary
- Convenient to pass updated MBM parameters to Rappahannock River
- Consistency of model setup and loading discharge

### Station Location

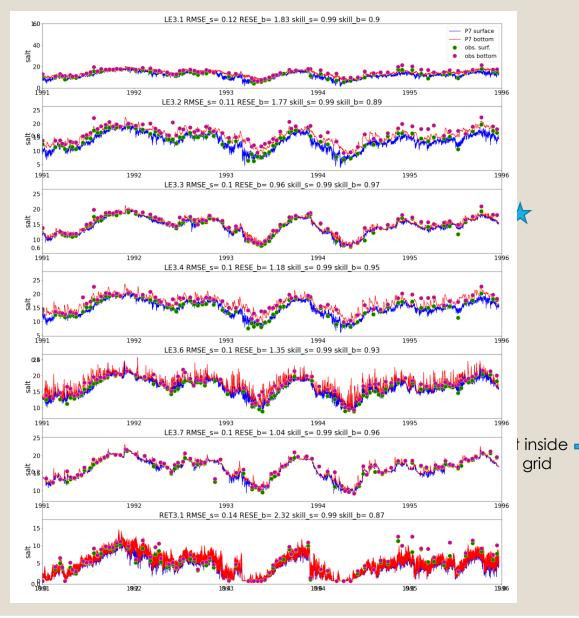


#### Results of Merged Bay and Rappahannock River Grid

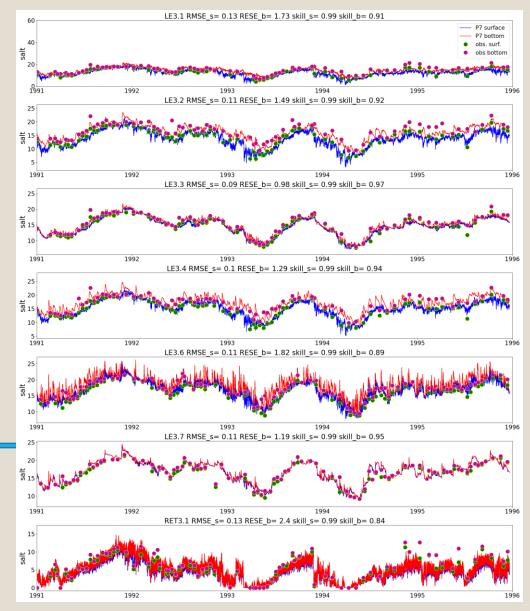




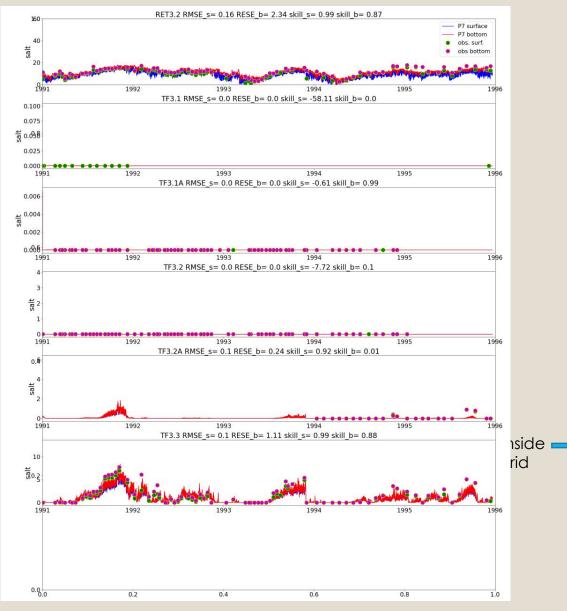
#### New Merged grid



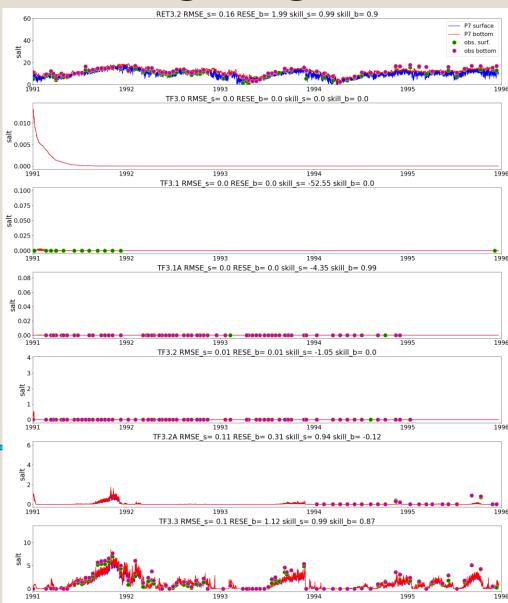
#### Merged grid



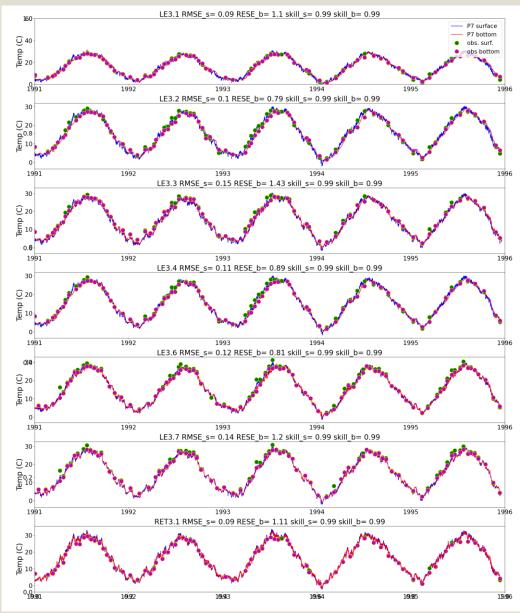
#### New Merged grid

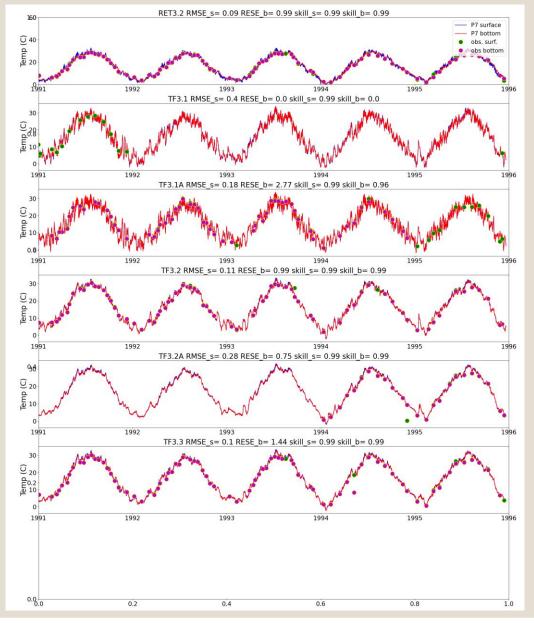


#### Merged grid



#### Results of Merged Bay and Rappahannock River Grid





## Thank You