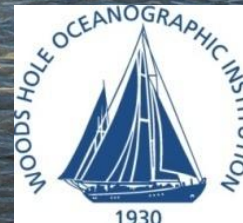
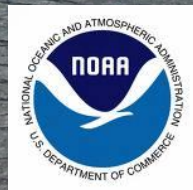


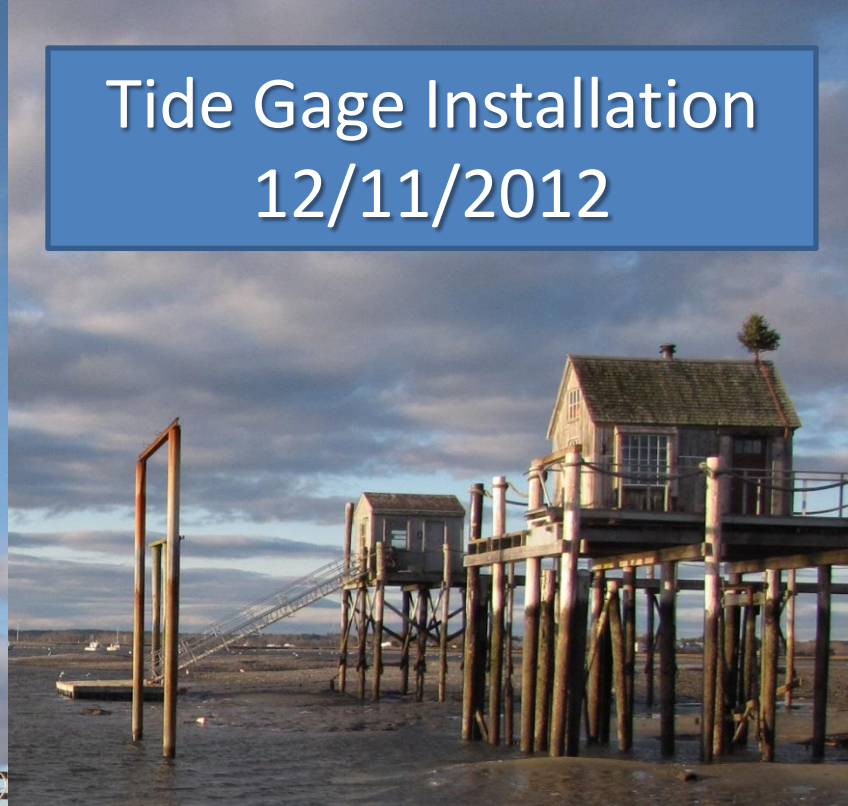
The Coastal Inundation Forecasting System for Hampton and Seabrook Ru Morrison, NERACOOS





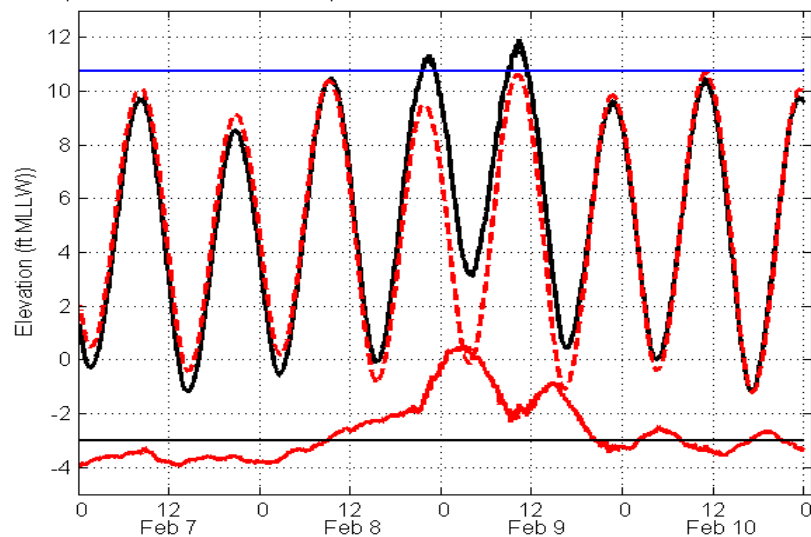
Goal: To provide a state-of-the-art
inundation forecast system for Hampton
and Seabrook as part of the region-wide
forecast system

Tide Gage Installation 12/11/2012



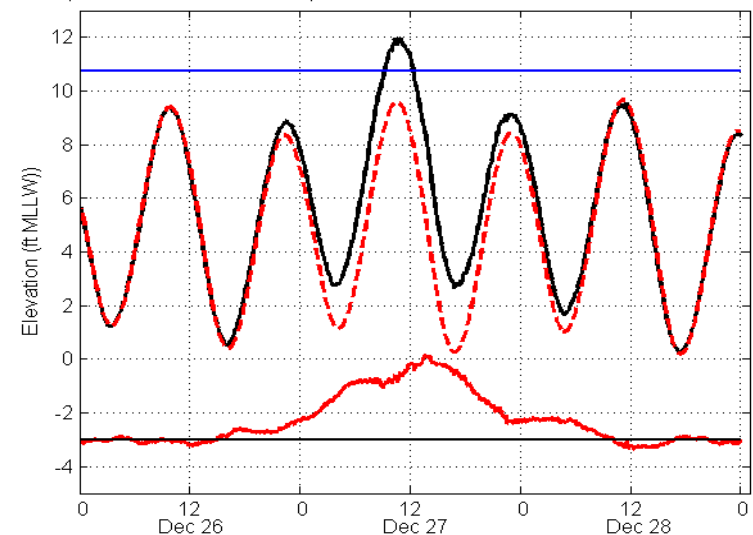
December 27, 2012

Comparison of measured z and predicted tide relative to MLLW at HB tide station - EST



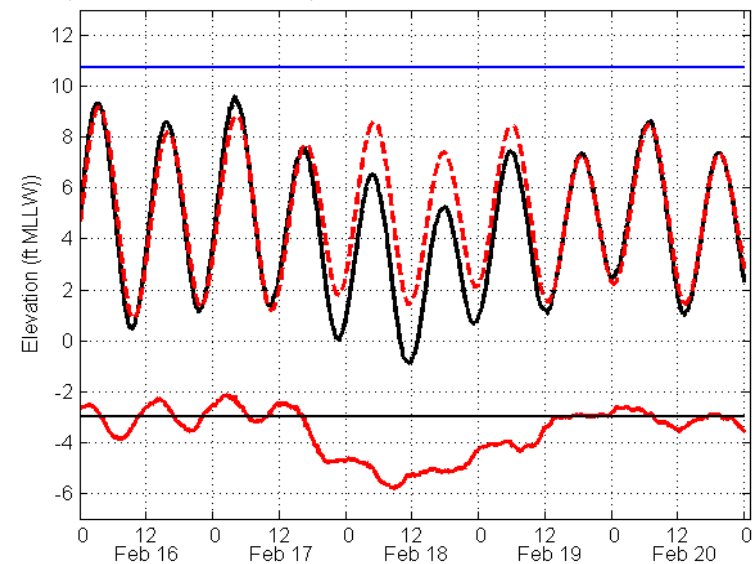
February 18, 2013

Comparison of measured z and predicted tide relative to MLLW at HB tide station - EST

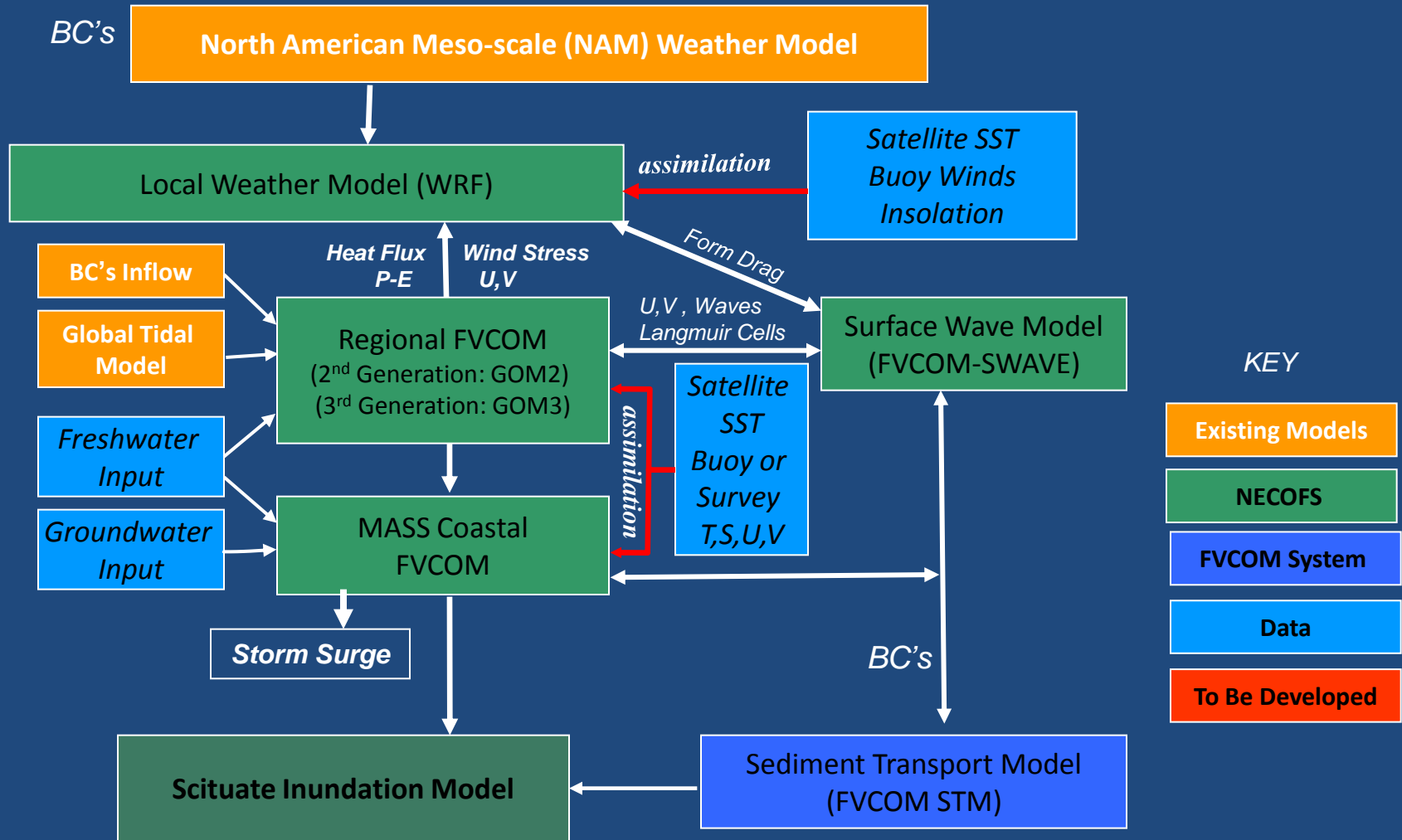


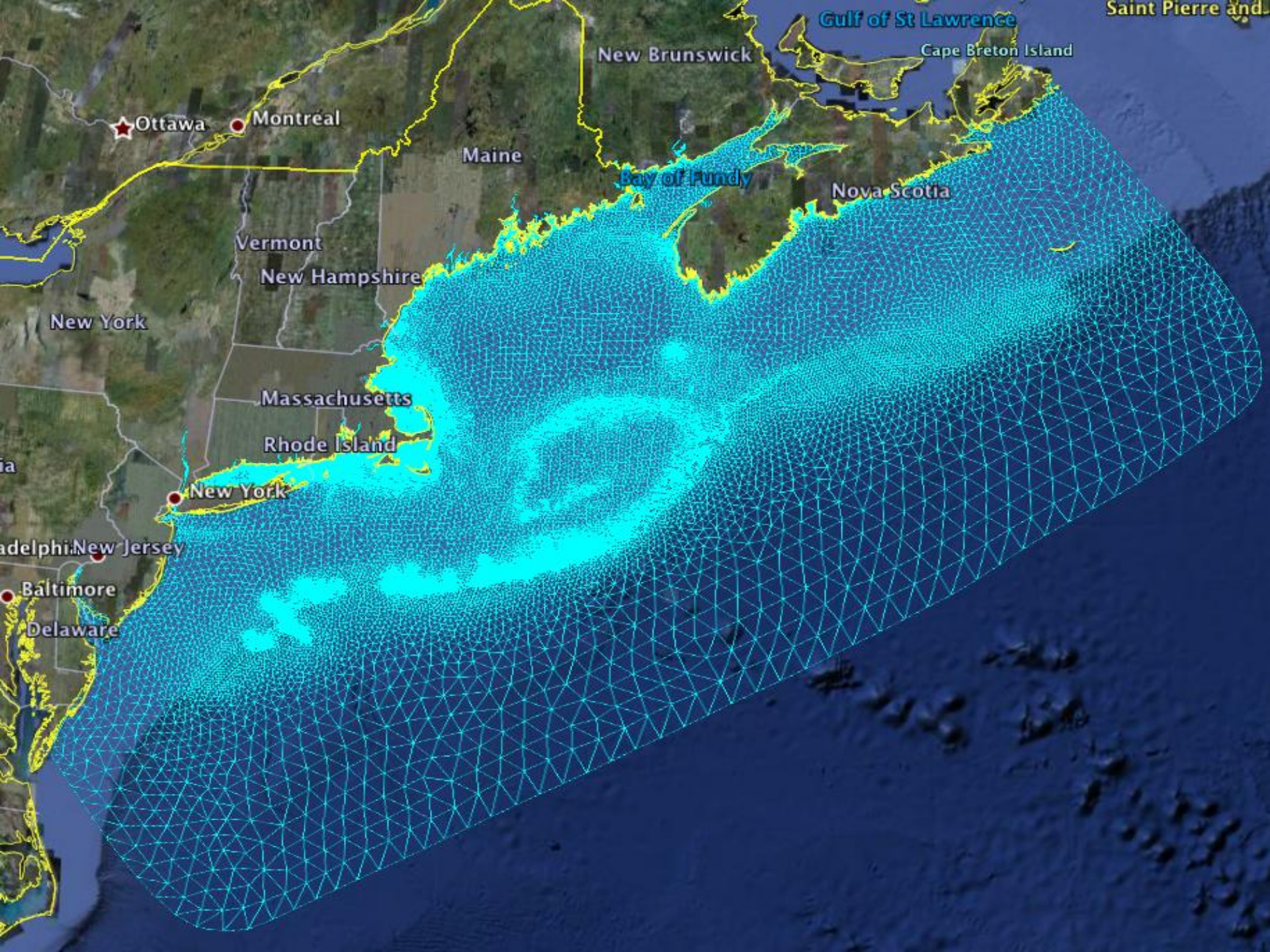
February 8, 2013

Comparison of measured z and predicted tide relative to MLLW at HB tide station - EST

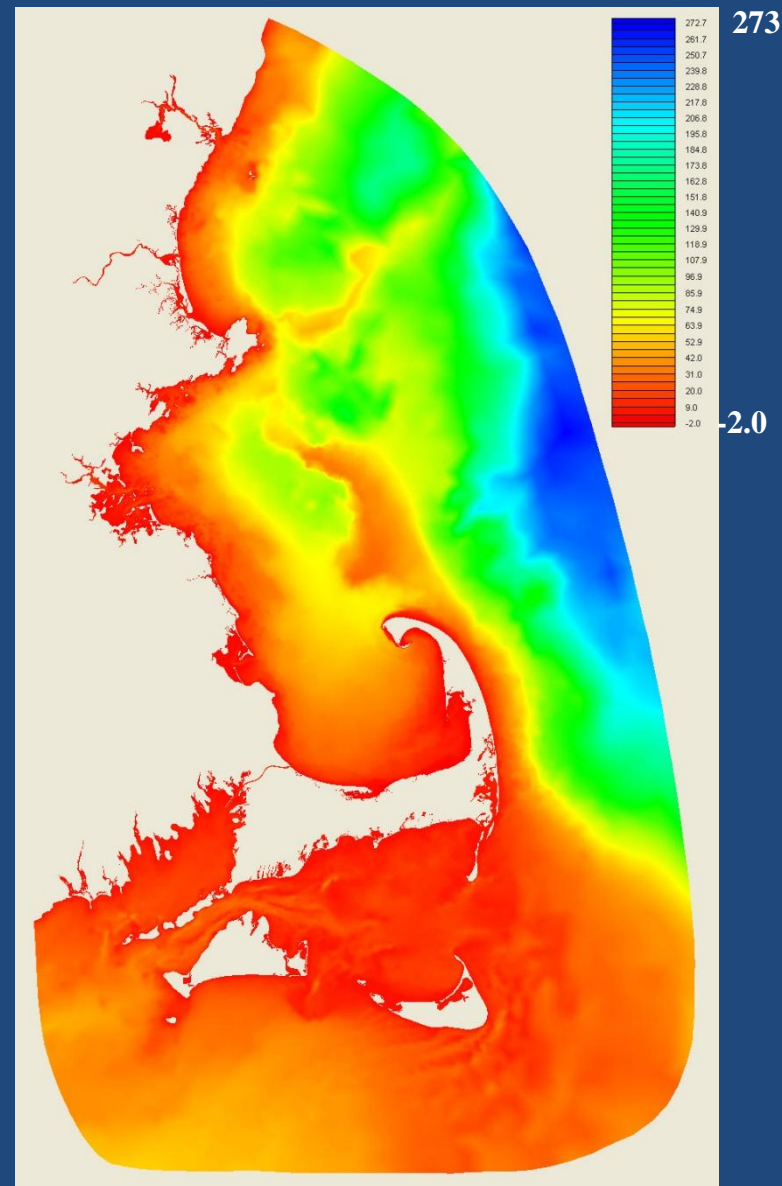


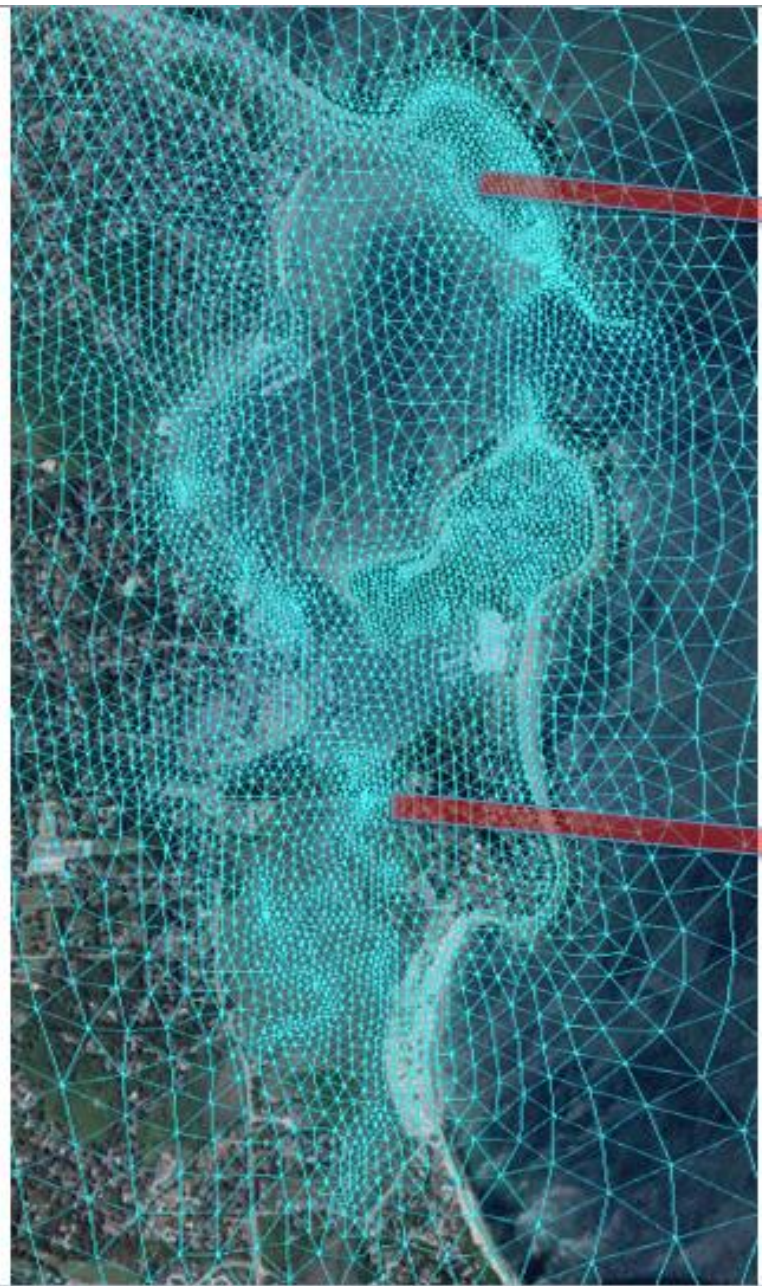
Northeast Coastal Ocean Forecast System (NECOFS)





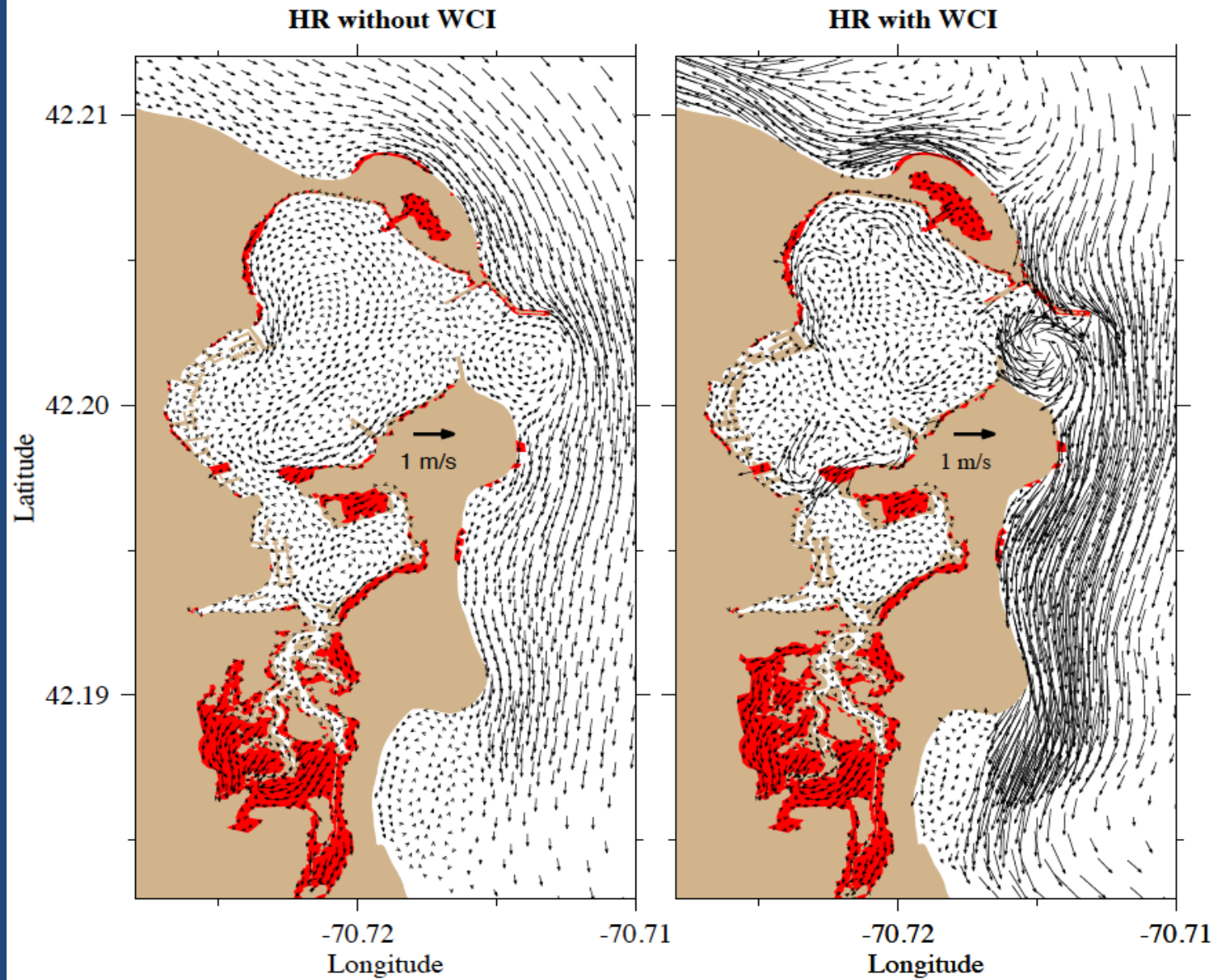
Mass Coastal FVCOM (Finest resolution: 15 m)





Ocean
(FS)

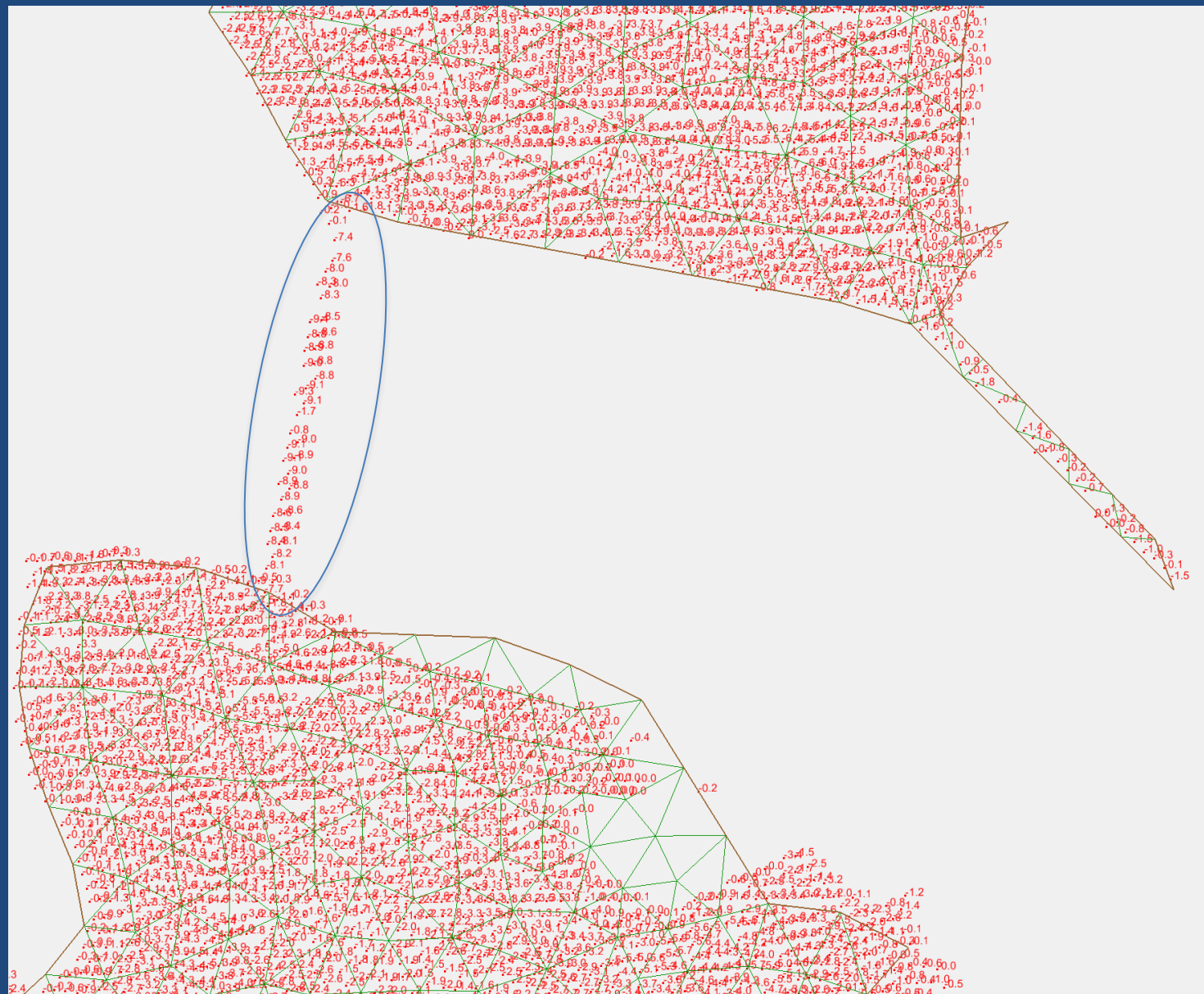


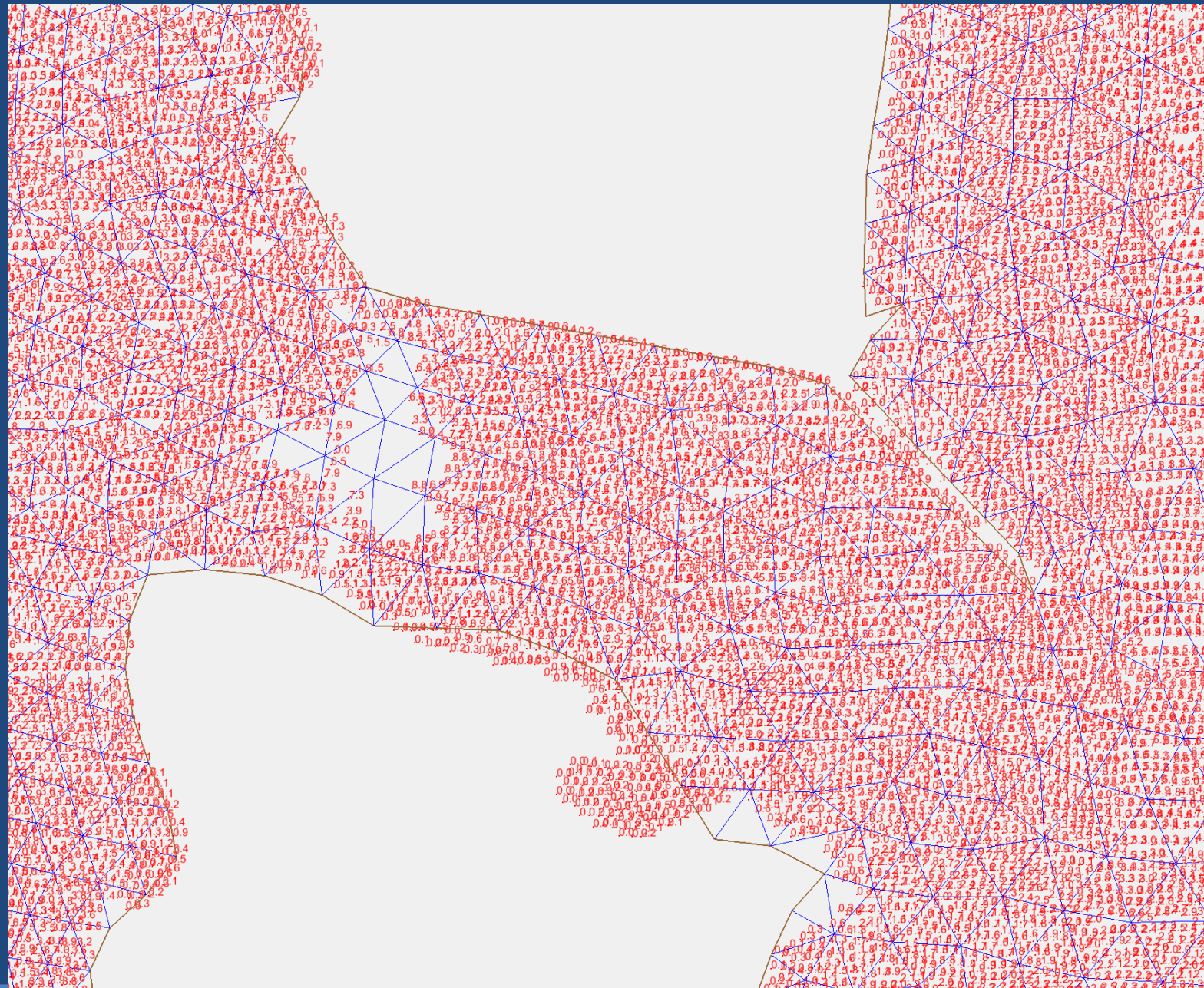


Building the Hampton Harbor model grid from LiDAR information









Next Steps:

- Complete the refined grid and start the forecasts
- Visualization and use



Additional work:

Models such as this are the best way to determine sea level rise impacts. Brings in physics, not just raising water!