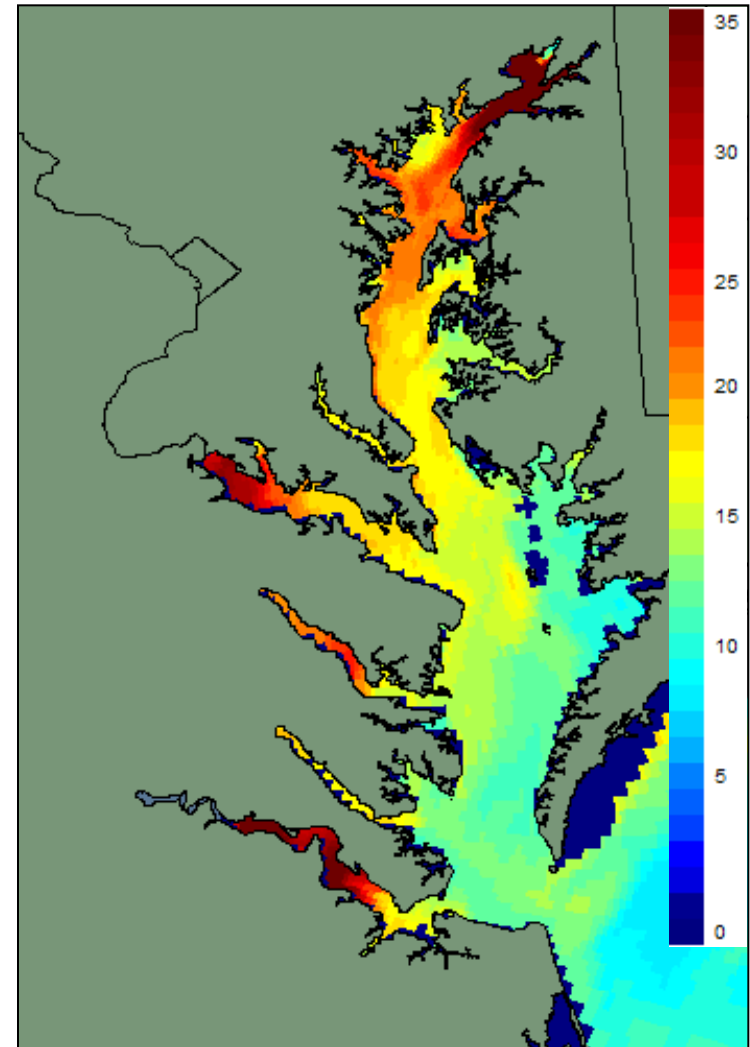


Ecological Prediction in Chesapeake Bay

- Generate daily nowcasts and 3-day forecasts of several water quality variables in Chesapeake Bay
 - sea nettle (jellyfish)
 - harmful algal blooms
 - water-borne pathogens
 - nutrient, chlorophyll, and dissolved oxygen concentrations
- Predict using numerical hydrodynamic and empirical habitat models
- Disseminate forecasts on WWW sites



Forecast chlorophyll concentration ($\mu\text{g} / \text{L}$) in the Chesapeake Bay for June 19, 2010.