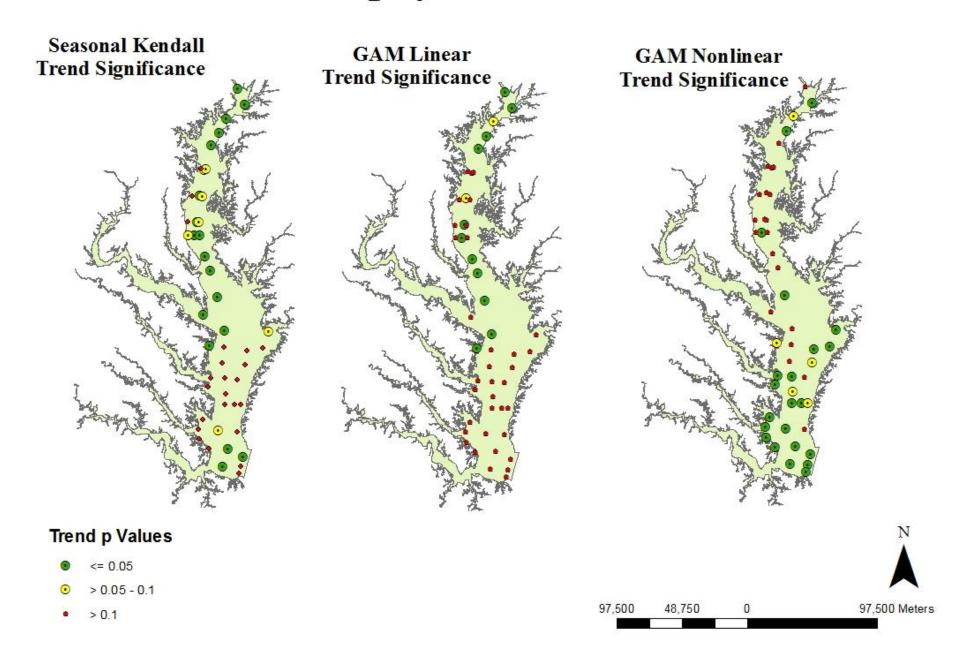
SK/GAM Comparison Maps

Kyle Hinson

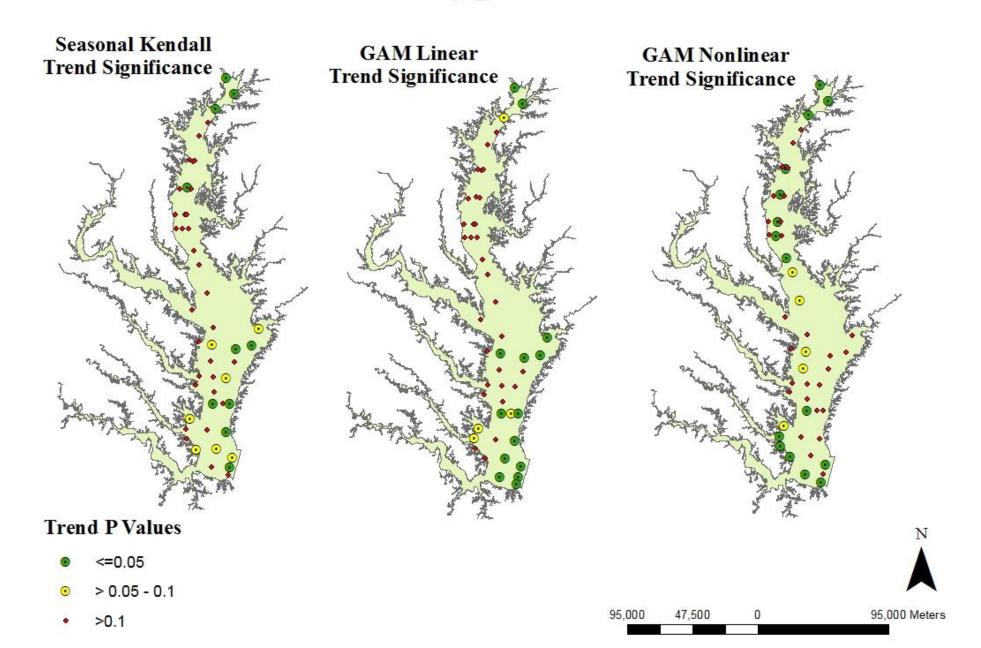
Overview

- These slides represent a comparison of findings among three statistical analyses completed (two iterations of the GAM method and the Seasonal Kendall method).
- The ability to detect trends at different levels of significance (i.e. different p values) were evaluated for the tidal main stem of the Chesapeake Bay for chl-a, DO, water clarity, TN, and TP.
- Specific stations are also outlined to show the differences in capturing linear and non-linear trends among the models.

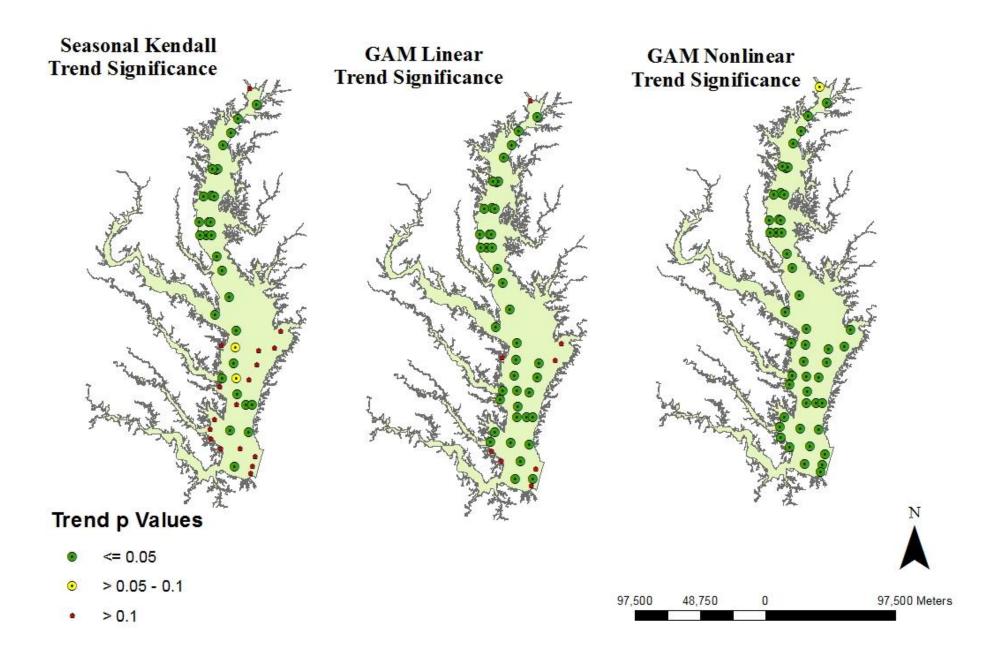
Surface Chlorophyll-a Trends - Main Stem



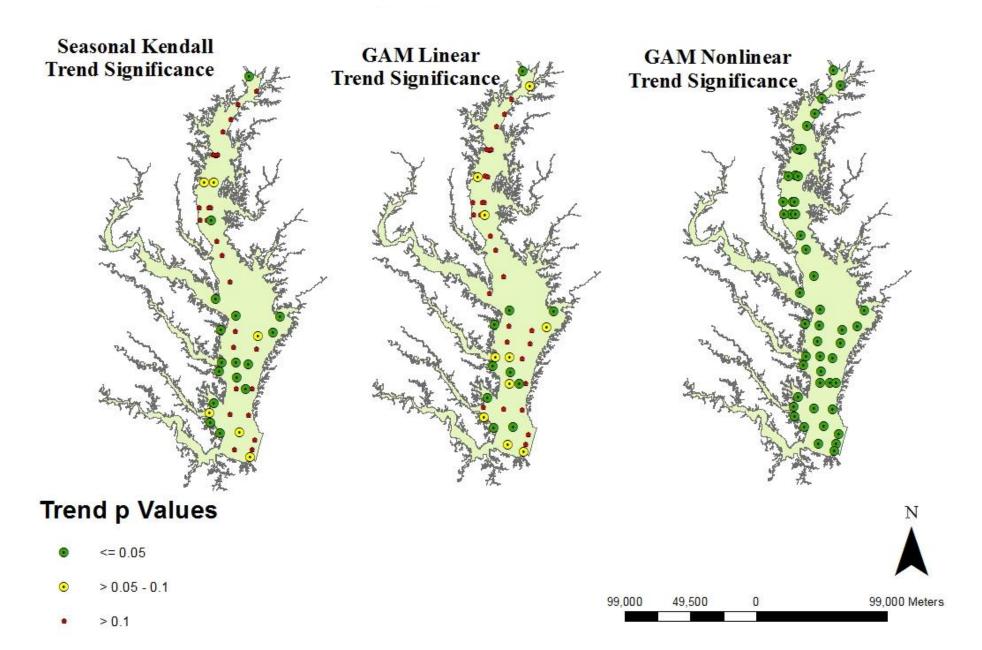
Bottom Dissolved Oxygen Trends - Main Stem



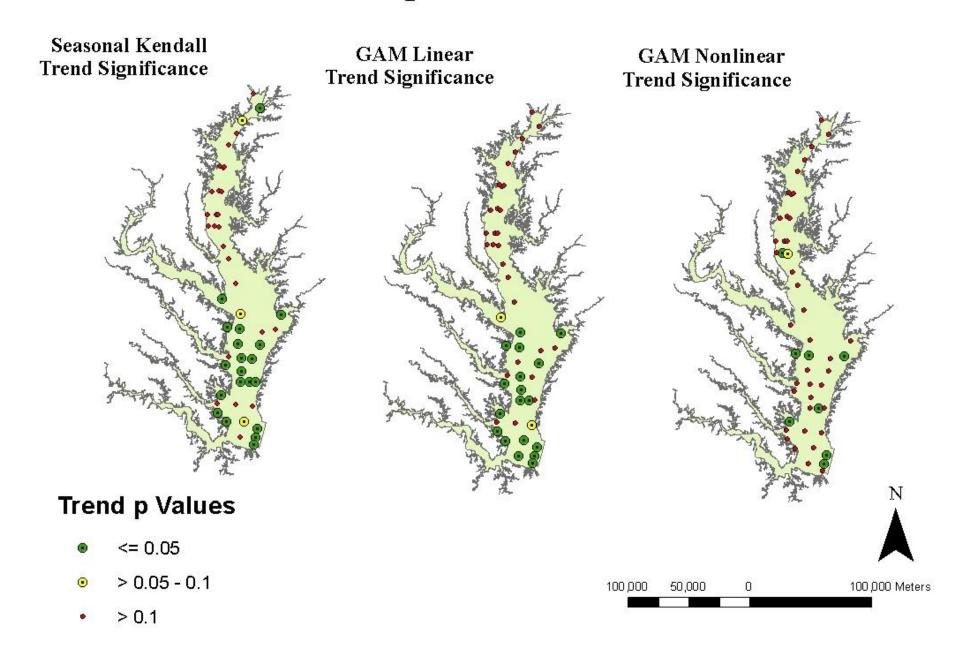
Secchi Trends - Main Stem



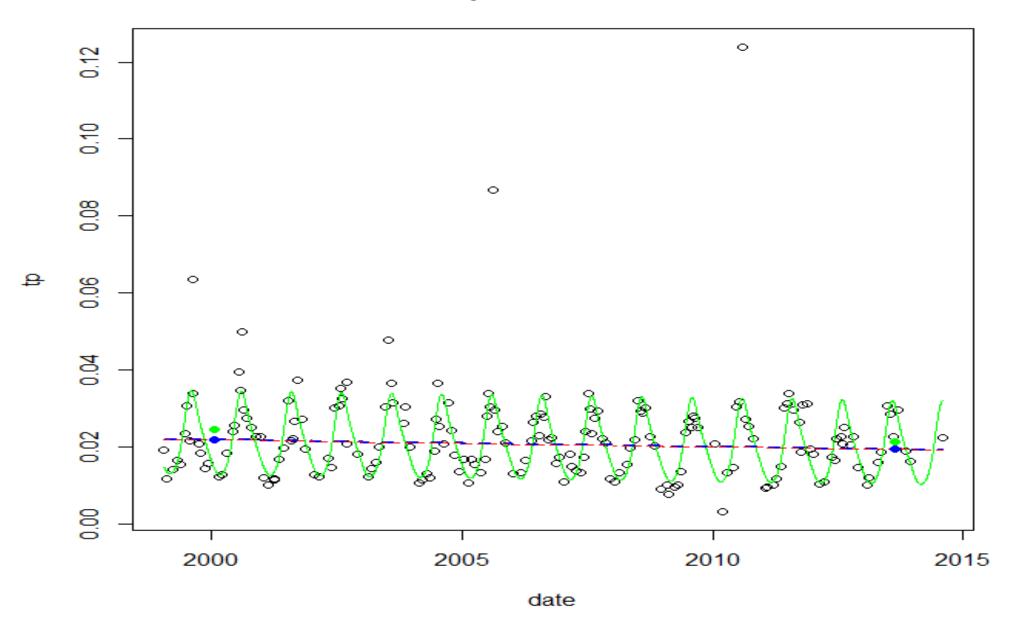
Surface Total Nitrogen Trends - Main Stem



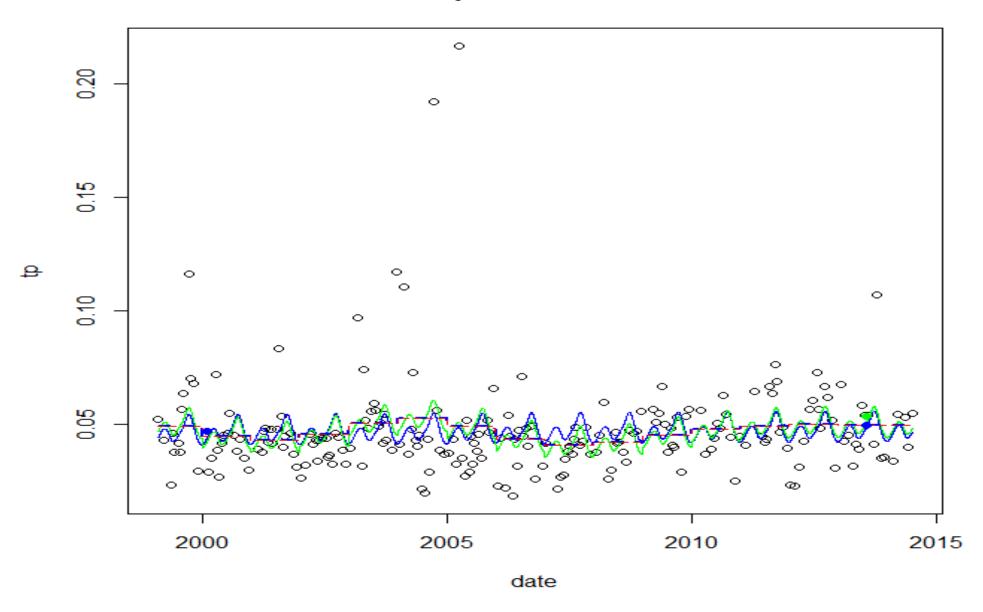
Surface Total Phosphorus Trends - Main Stem



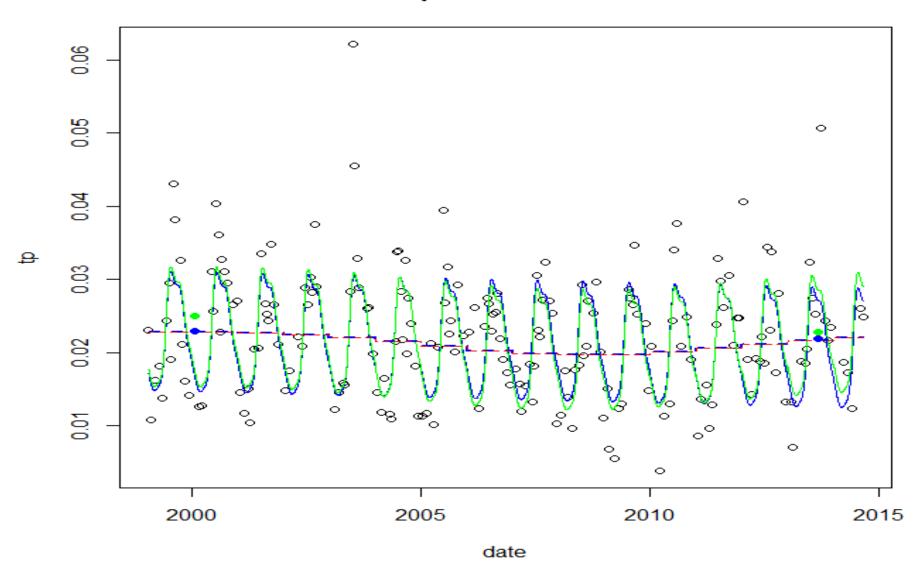
tp at CB5.5-S



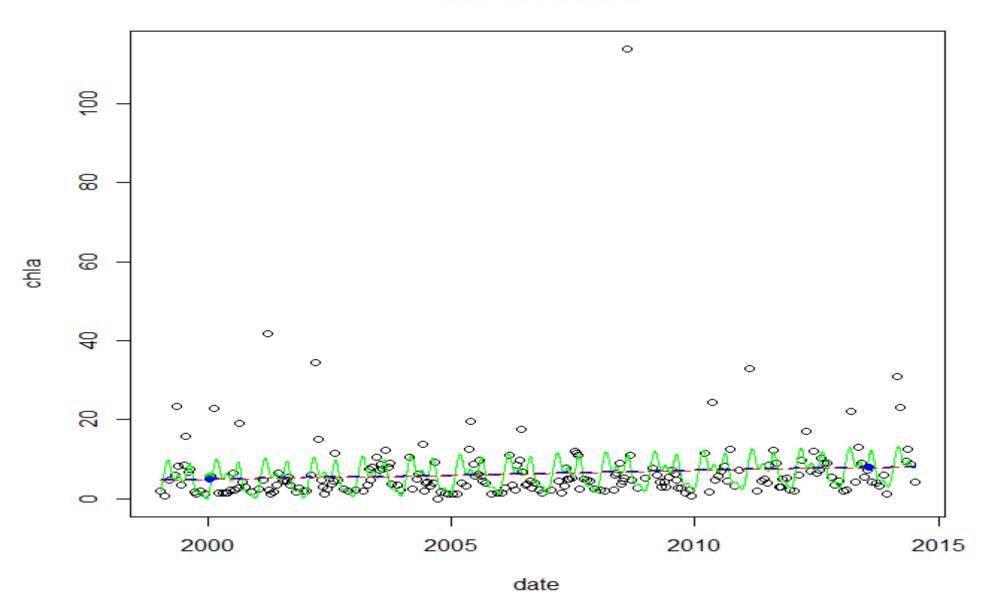
tp at CB2.1-S



tp at CB7.2E-S



chla at CB2.2-S



chla at CB4.3E-S

