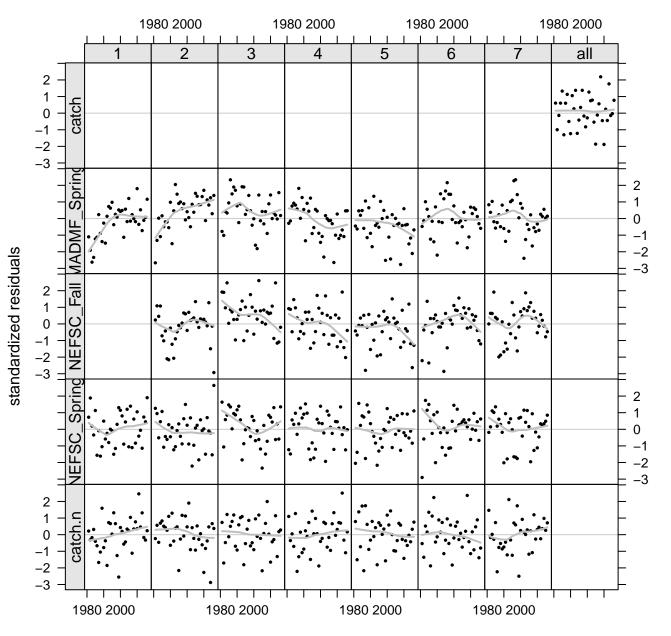
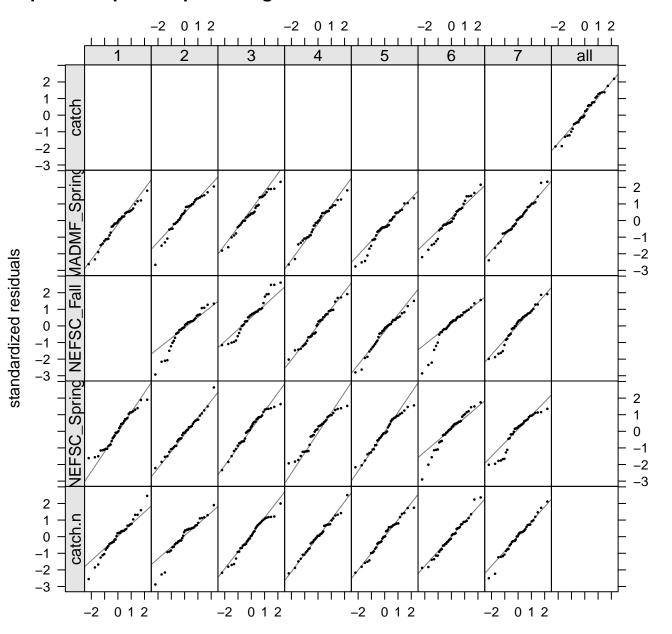
### log residuals of catch and abundance indices by age



## quantile-quantile plot of log residuals of catch and abundance indices



#### fitted and observed catch-at-age obs 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 4 5 6 7

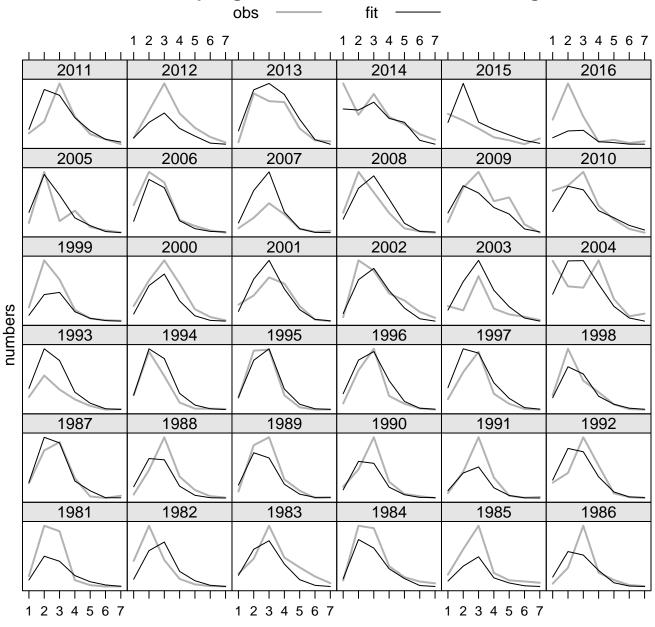
numbers

1 2 3 4 5 6 7

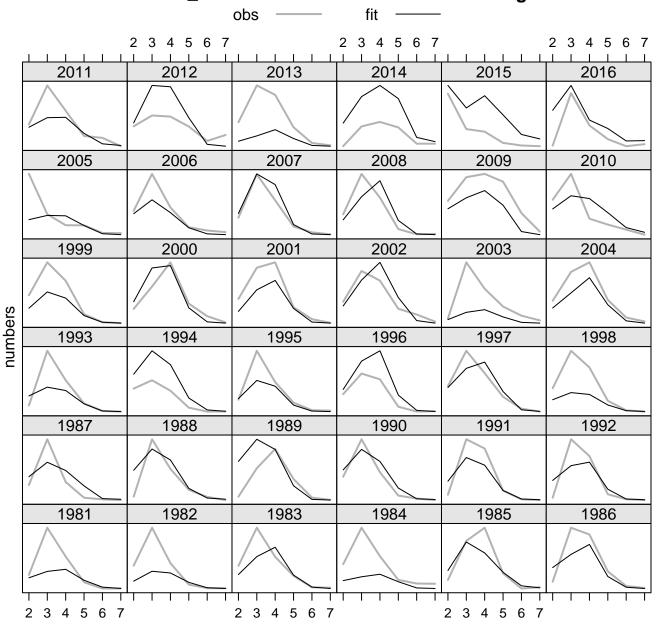
1 2 3 4 5 6 7

1 2 3 4 5 6 7

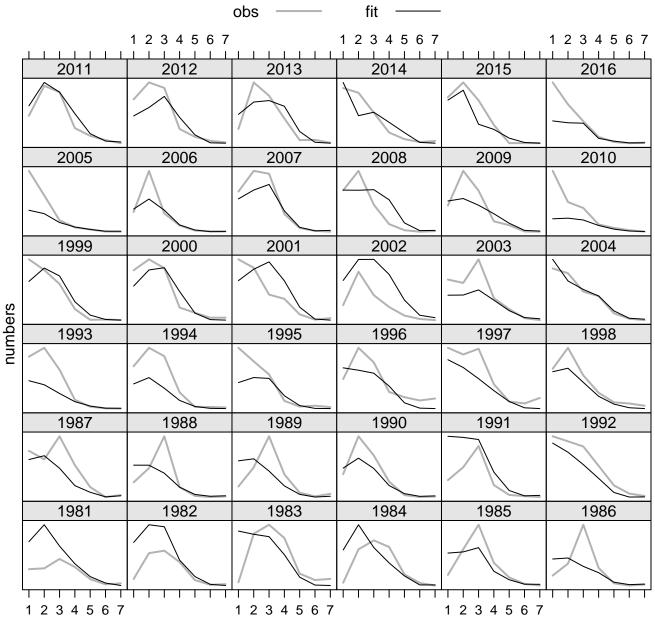
# NEFSC\_Spring: fitted and observed index-at-age

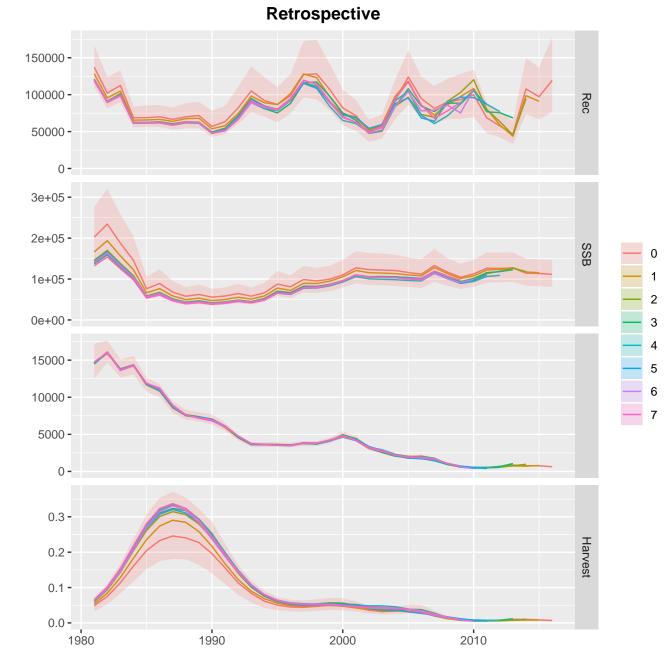


#### NEFSC\_Fall: fitted and observed index-at-age

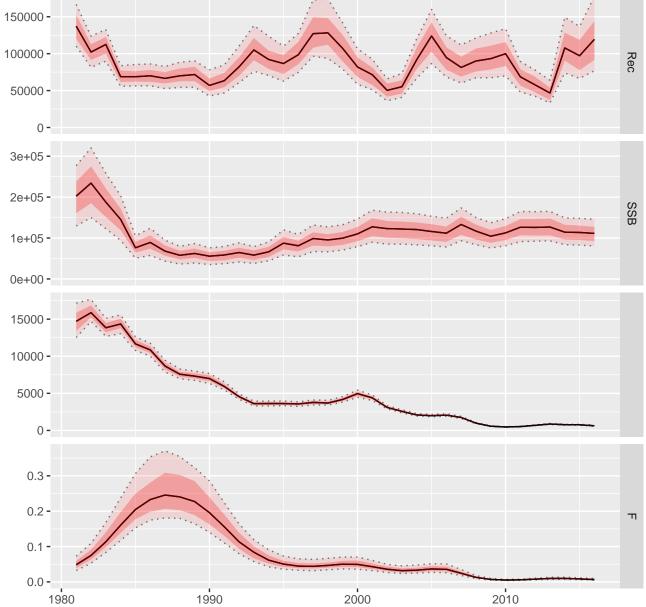


# MADMF\_Spring: fitted and observed index-at-age





**Stock summary** SSB



# **Abundance indices predictions**

