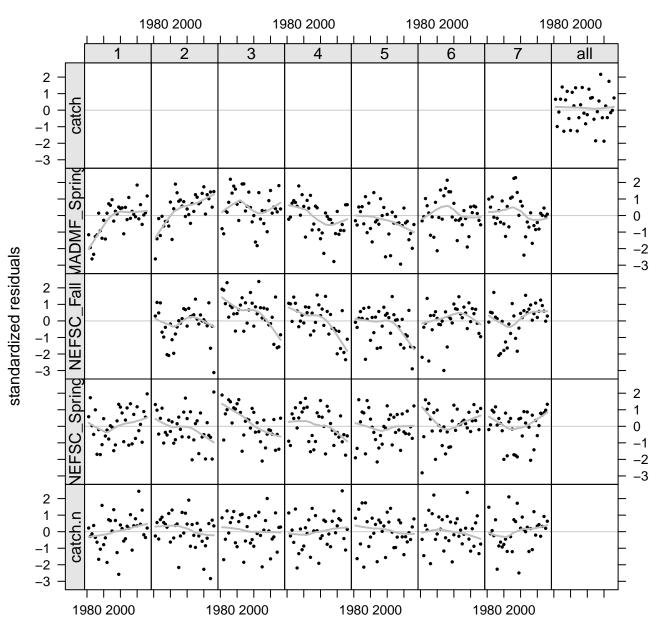
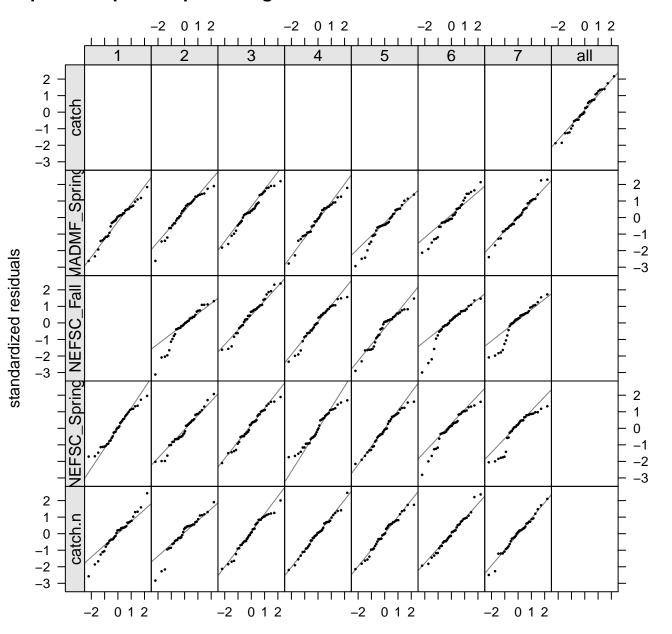
### log residuals of catch and abundance indices by age



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



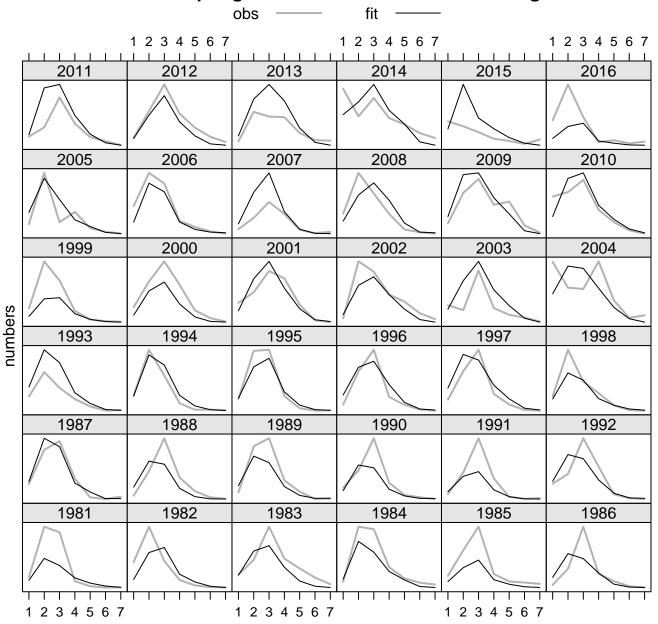
#### fitted and observed catch-at-age obs 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 4 5 6 7 numbers

1 2 3 4 5 6 7

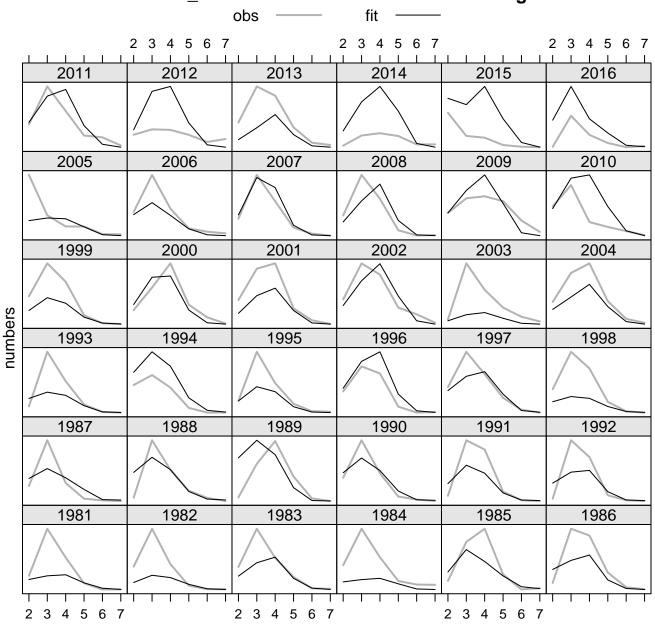
1 2 3 4 5 6 7

1 2 3 4 5 6 7

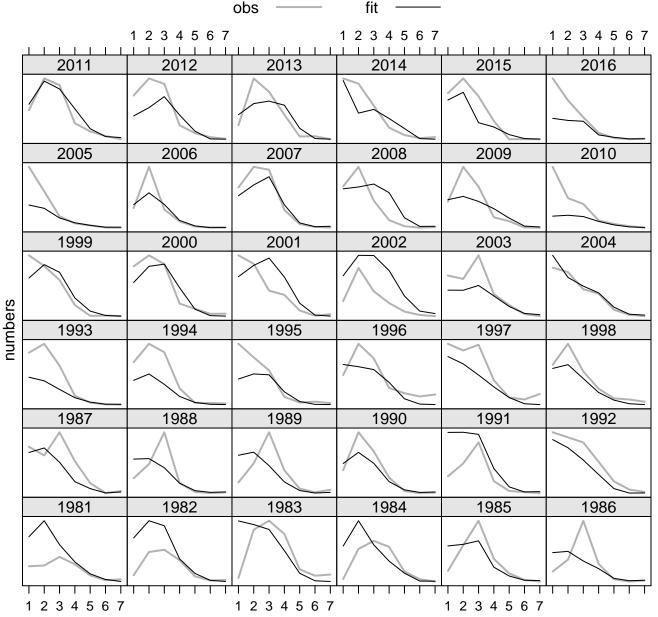
#### NEFSC\_Spring: fitted and observed index-at-age

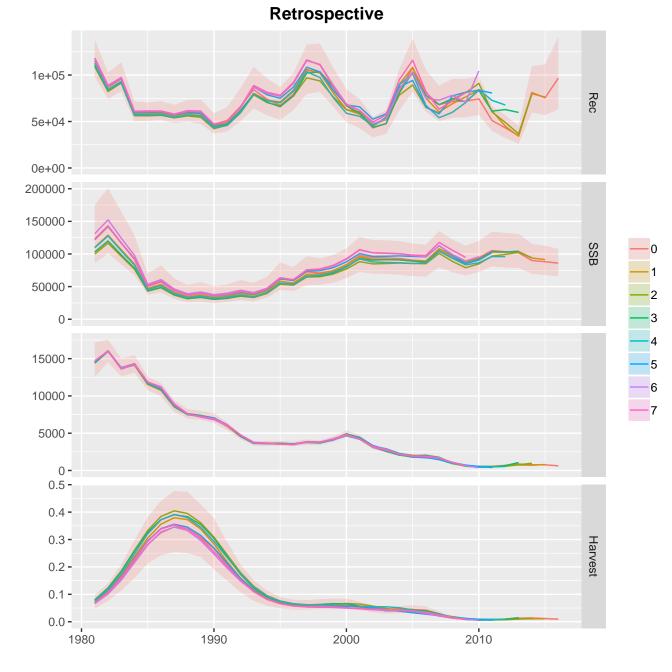


#### NEFSC\_Fall: fitted and observed index-at-age

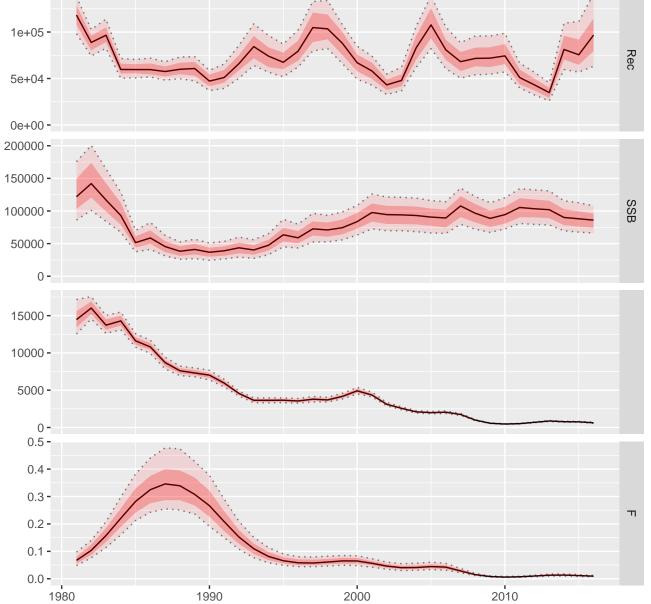


# MADMF\_Spring: fitted and observed index-at-age obs —— fit ——





**Stock summary** Rec SSB



## **Abundance indices predictions**

