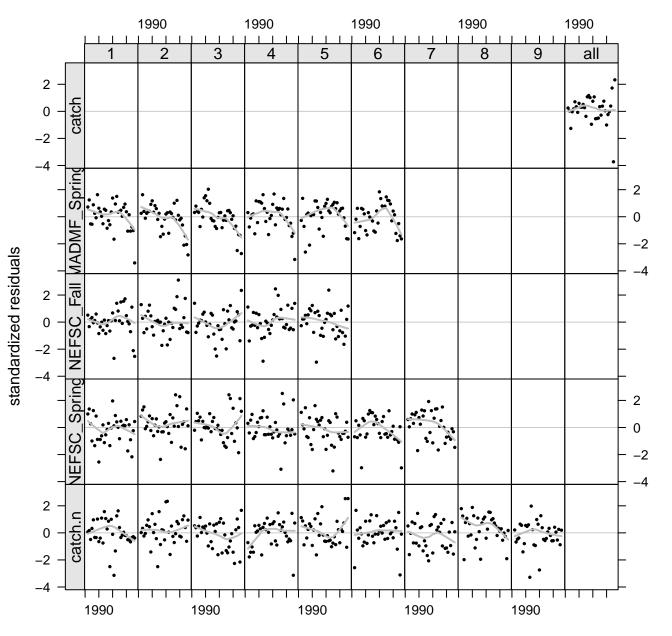
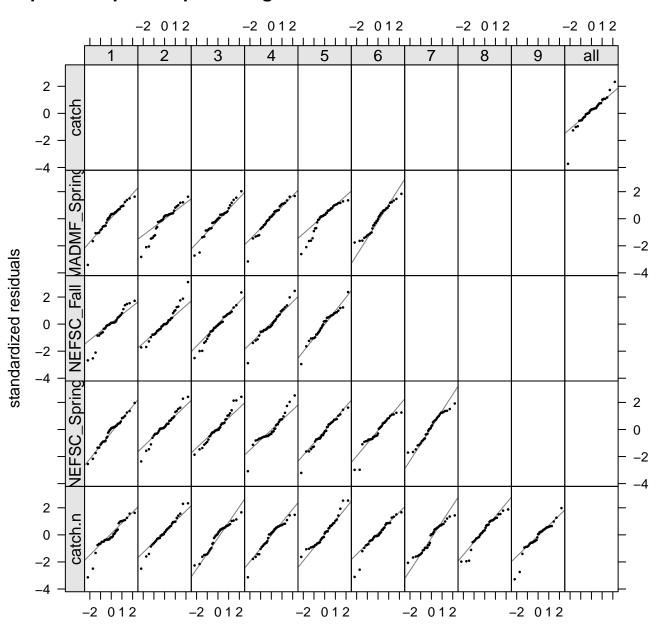
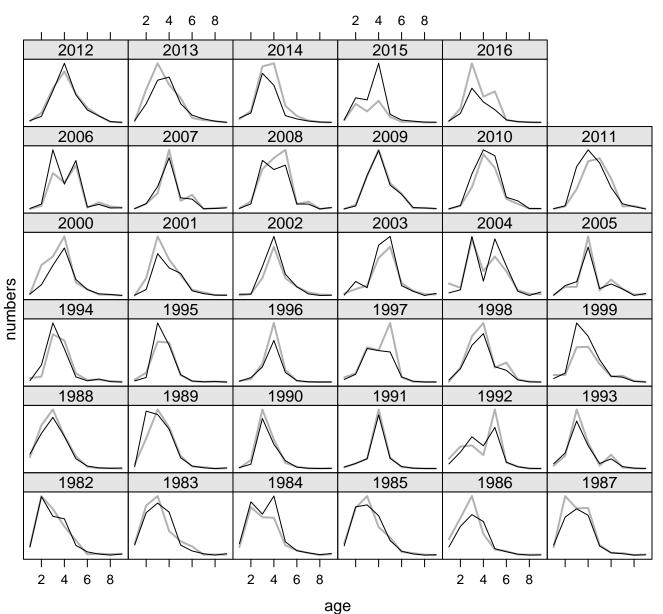
# log residuals of catch and abundance indices by age



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



### fitted and observed catch-at-age obs



#### NEFSC\_Spring: fitted and observed index-at-age obs fit 1 2 3 4 5 6 7 1 2 3 4 5 6 7 numbers

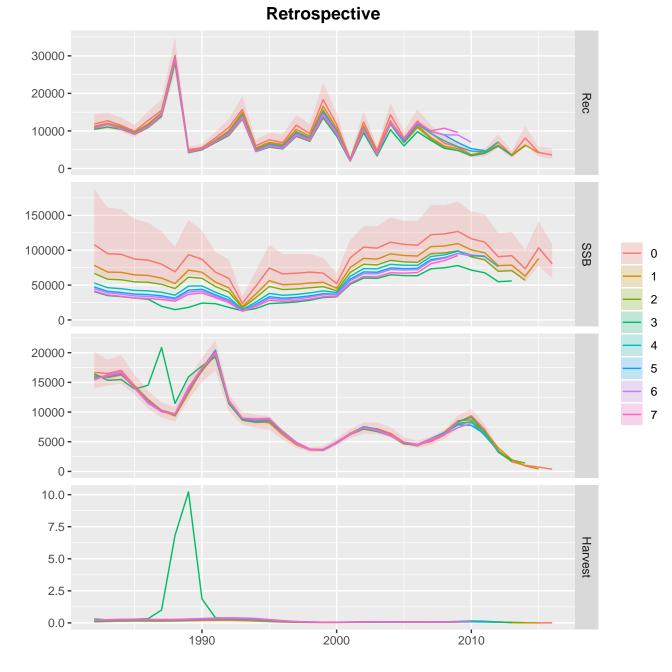
1 2 3 4 5 6 7

1 2 3 4 5 6 7

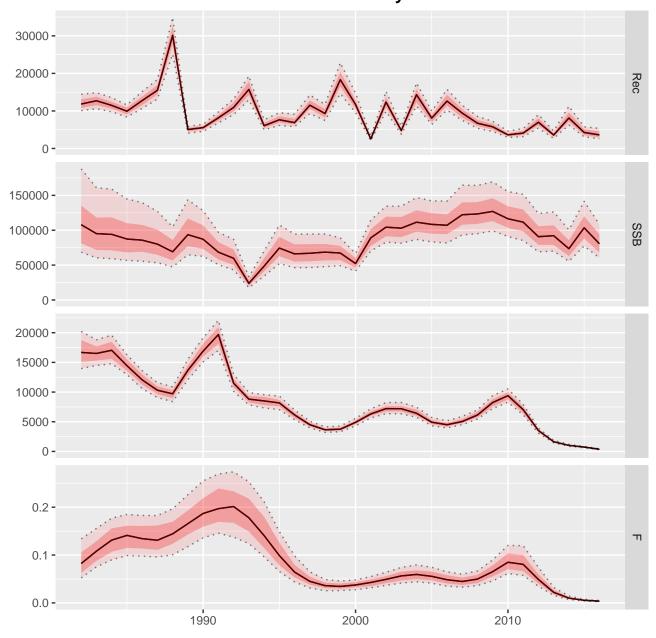
1 2 3 4 5 6 7

#### NEFSC\_Fall: fitted and observed index-at-age obs fit 2 3 4 numbers

#### MADMF\_Spring: fitted and observed index-at-age obs fit 1 2 3 4 5 6 1 2 3 4 5 6 numbers 2 3 4 5 6 2 3 4 5 6 2 3 4 5 6



Stock summary



# **Abundance indices predictions**

