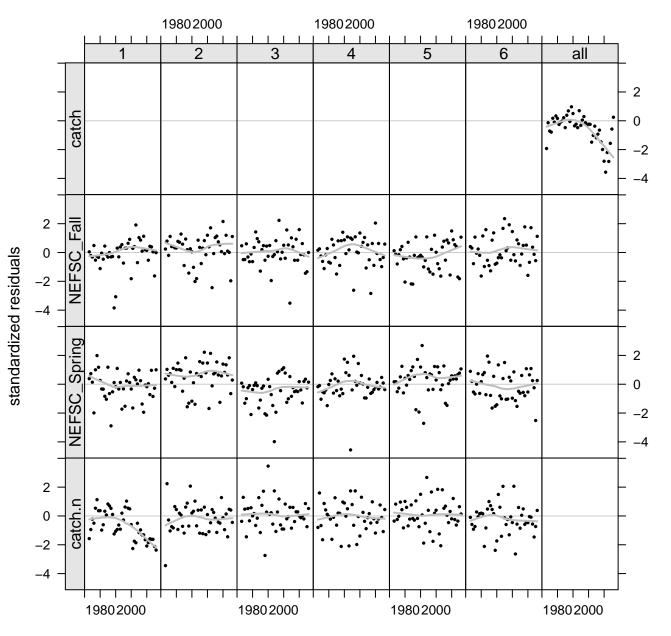
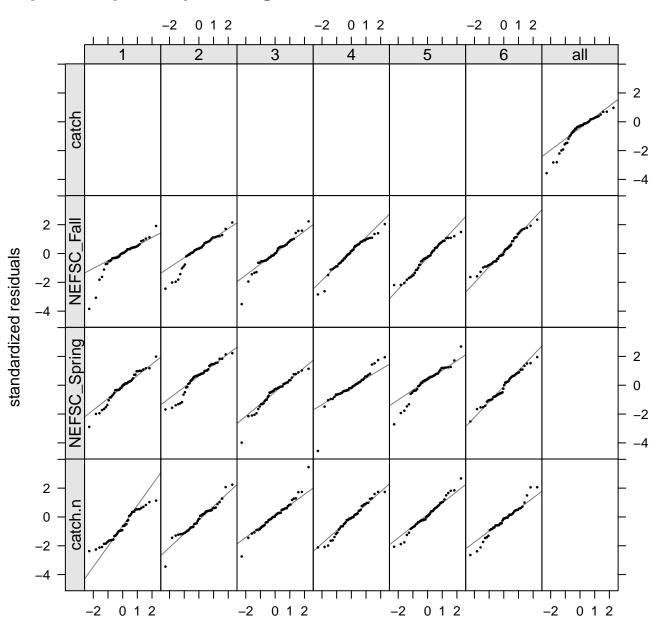
## log residuals of catch and abundance indices by age



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

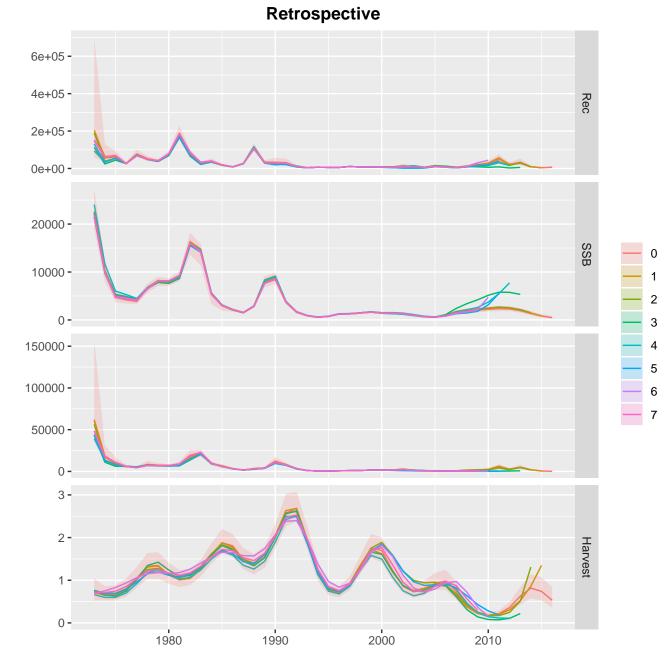


fitted and observed catch-at-age obs fit 1 2 3 4 5 6 numbers 2 3 1 2 3 4 5 6 1 2 3 4 5 6 1 2 3 4 5 6 

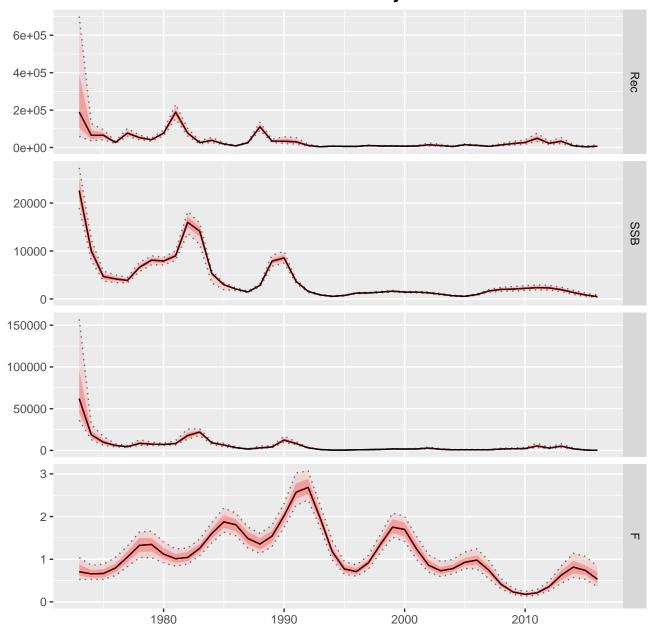
age

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

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



Stock summary



# **Abundance indices predictions**

