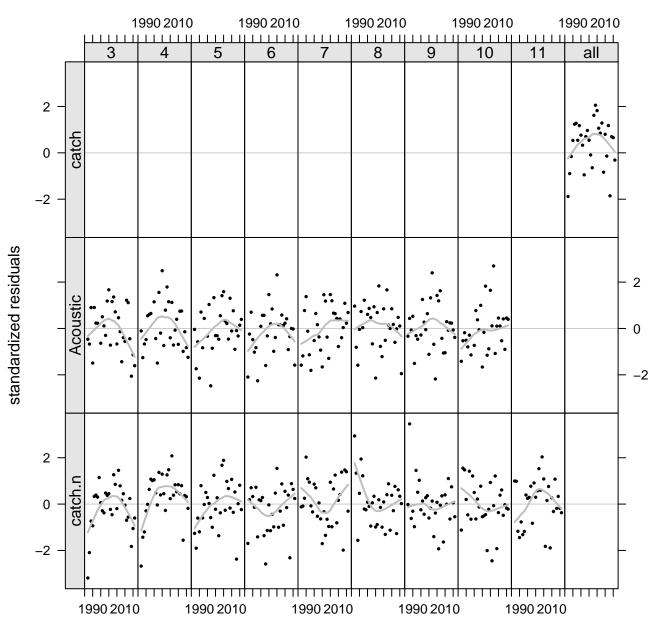
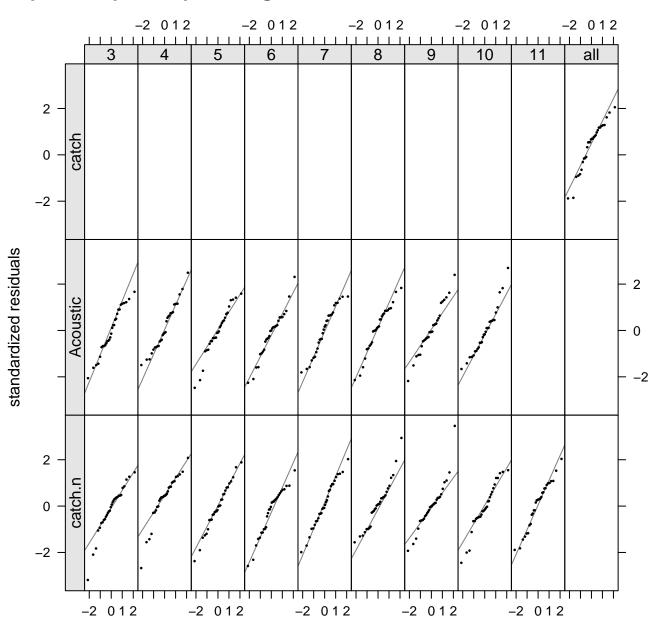
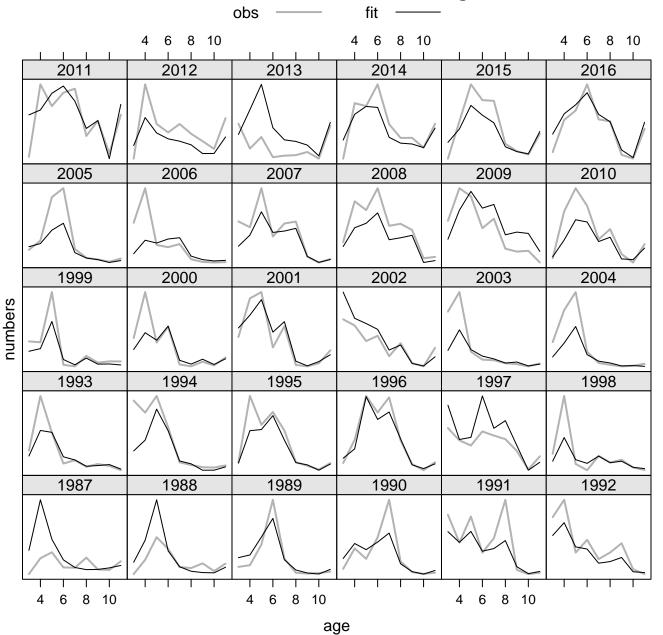
## log residuals of catch and abundance indices by age

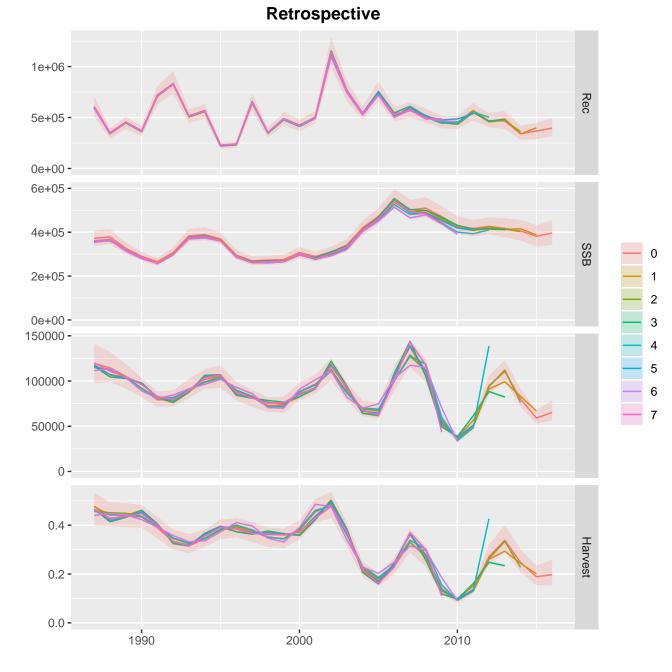


## quantile-quantile plot of log residuals of catch and abundance indices

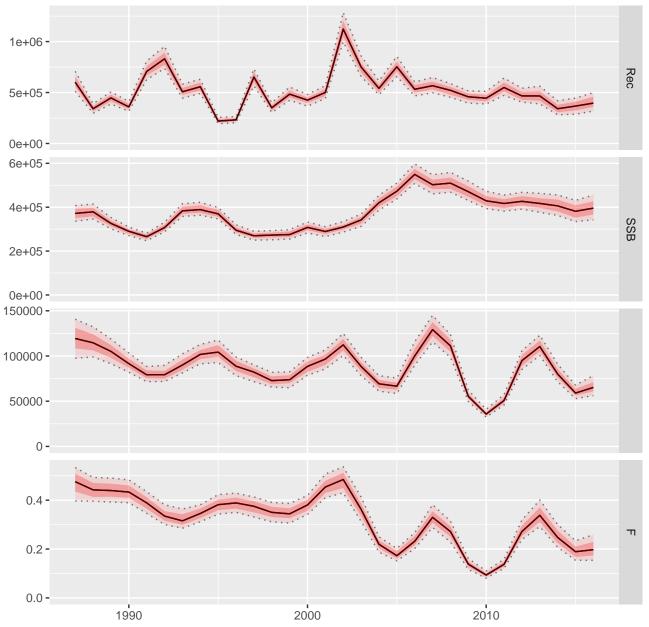


## fitted and observed catch-at-age





**Stock summary** 



## Abundance indices predictions

