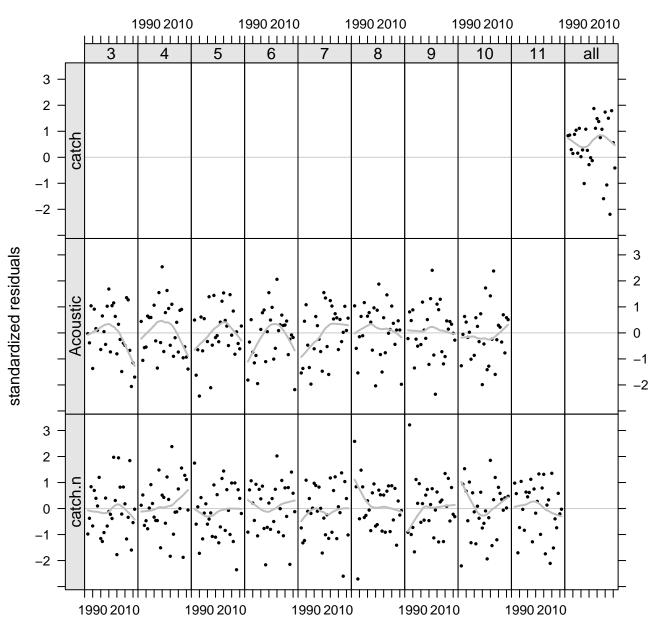
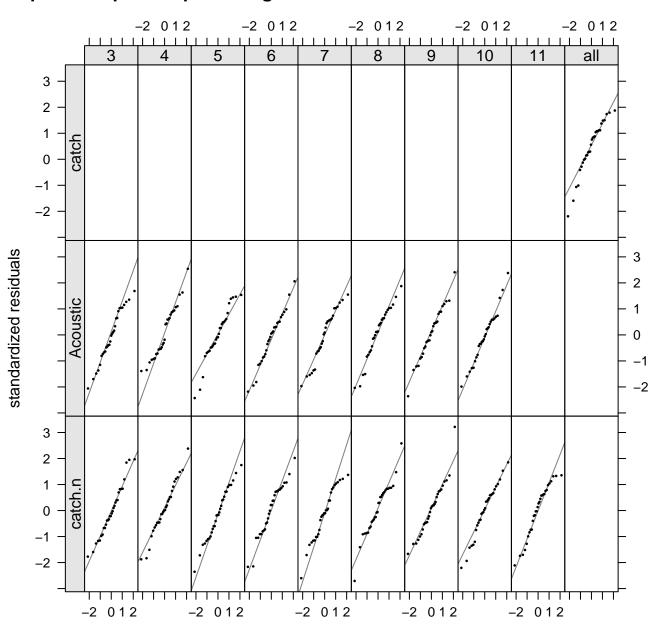
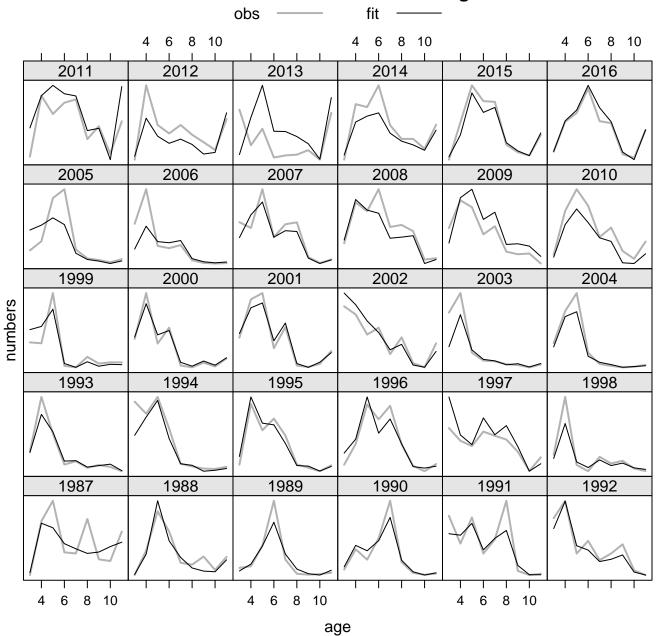
## log residuals of catch and abundance indices by age

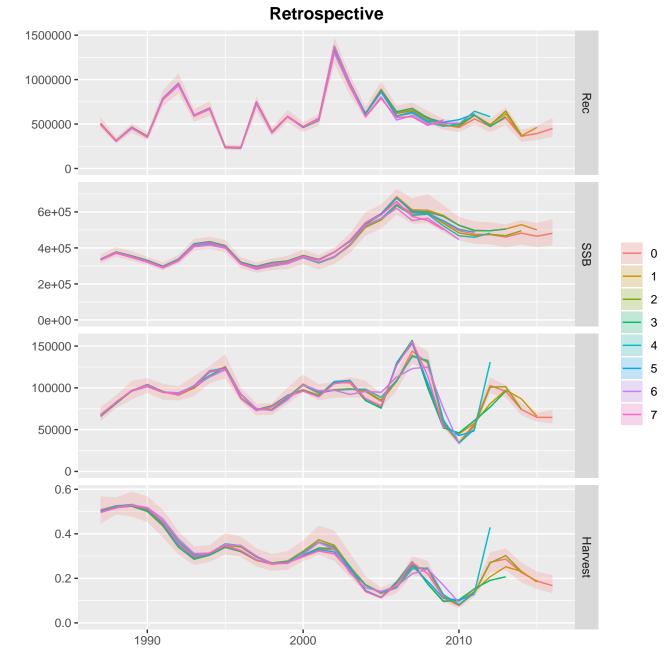


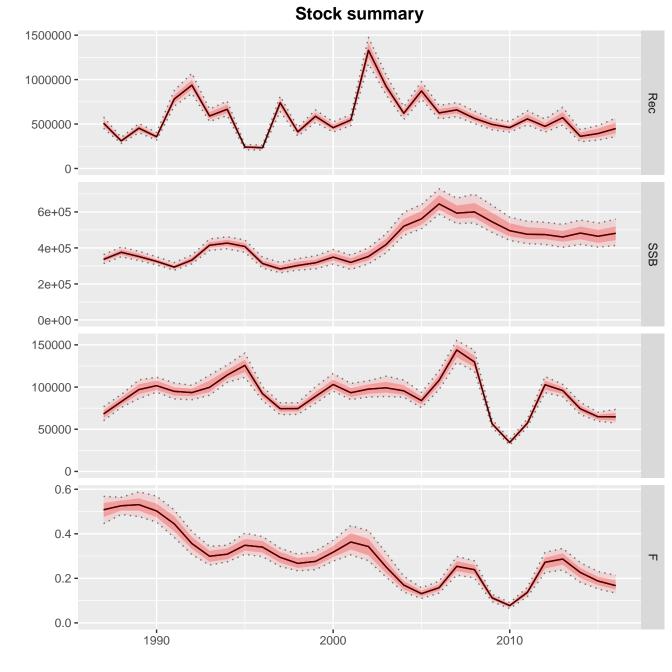
## quantile-quantile plot of log residuals of catch and abundance indices



## fitted and observed catch-at-age







Abundance indices predictions

