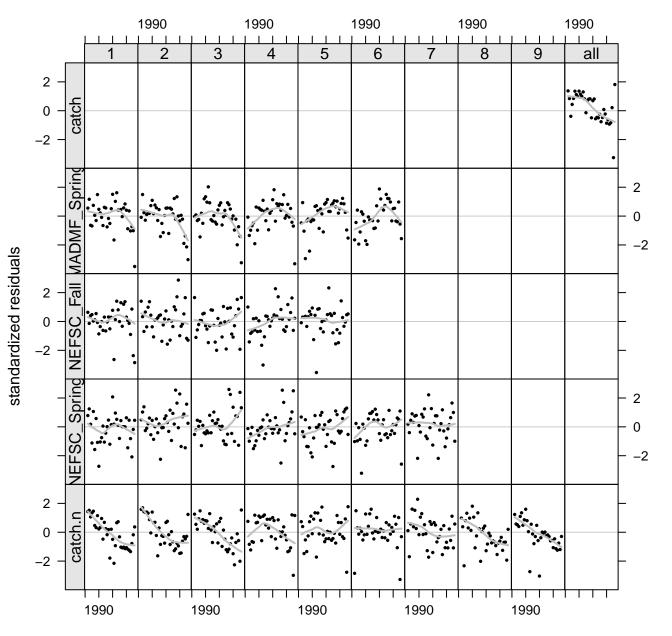
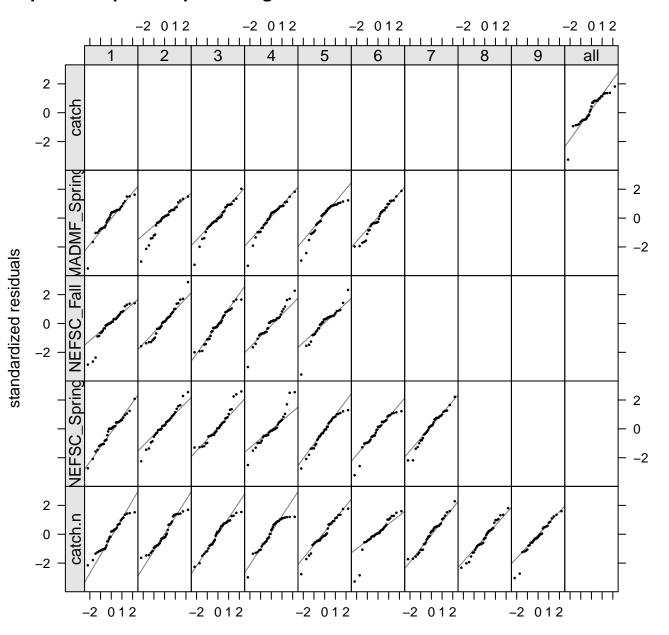
log residuals of catch and abundance indices by age



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



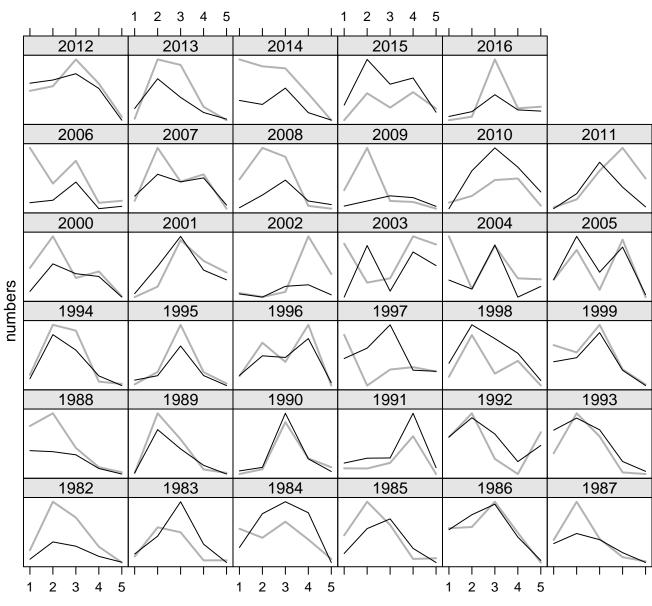
fitted and observed catch-at-age obs fit numbers

2 4 6 8

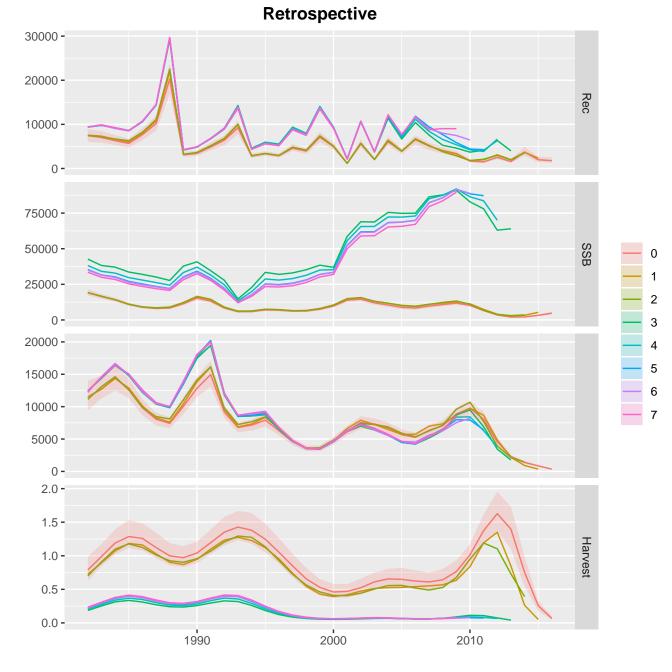
6 8

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 5



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 20000 -15000 -10000 -5000 **-**0 -20000 -15000 -10000 -5000 -0 -15000 -10000 -5000 -0 -2.0 -1.5 -1.0 -0.5 -0.0 -2010 1990 2000

Abundance indices predictions

