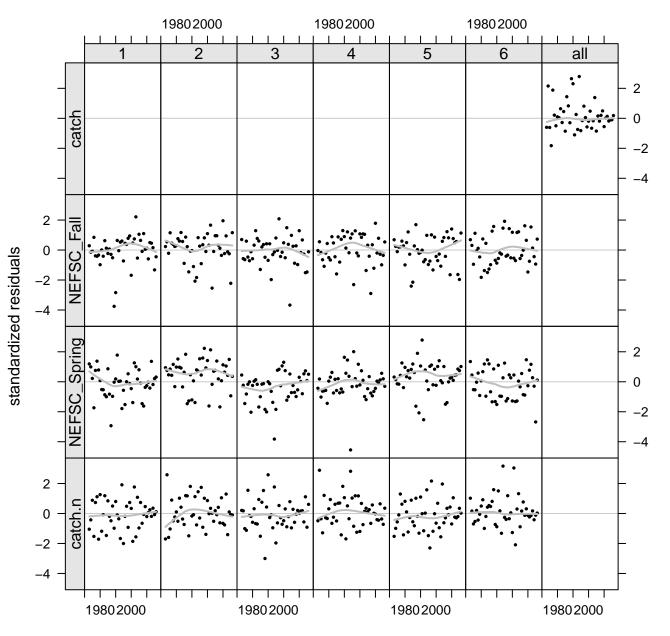
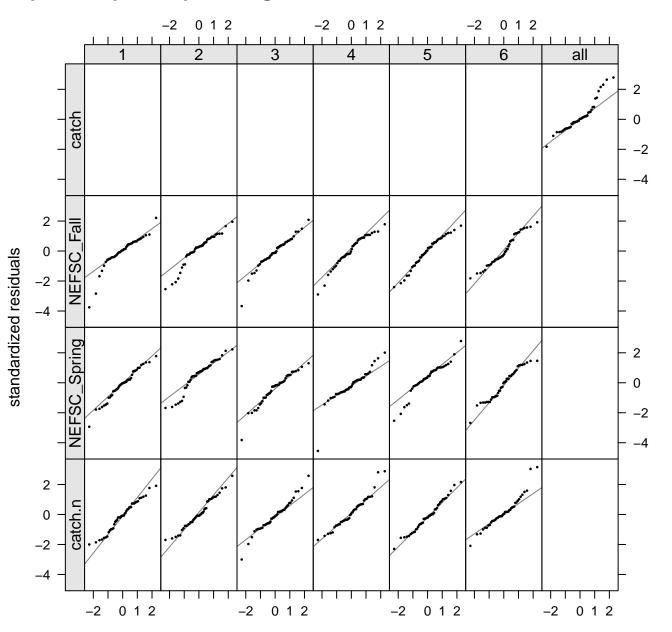
log residuals of catch and abundance indices by age



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



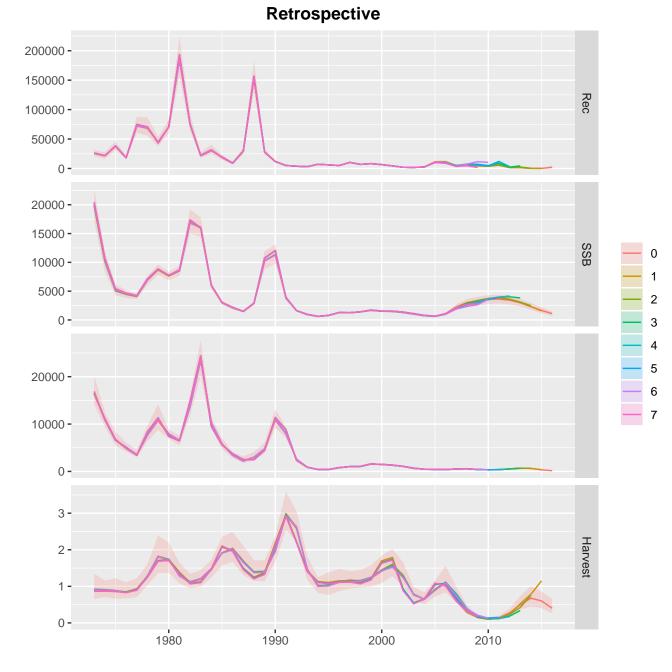
obs fit 1 2 3 4 5 6 numbers 1 2 3 4 5 6 1 2 3 4 5 6 2 3 4 2 3 4 5 6

age

fitted and observed catch-at-age

NEFSC_Spring: fitted and observed index-at-age obs fit 1 2 3 4 5 6 numbers 2 3 4 5 6 1 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 1 2 3 4 5 6 1 2 3 4 5 6 1 2 3 4 5 6



Stock summary 200000 -150000 -100000 -50000 -0 -20000 -15000 -SSB 10000 -5000 -0 -20000 -10000 -0 -3 -2 -1 -

1990

2000

2010

0 -

1980

Abundance indices predictions

