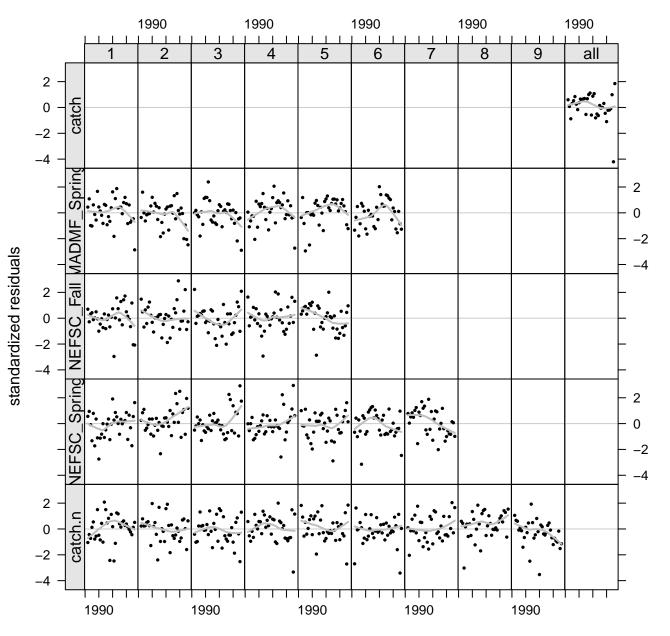
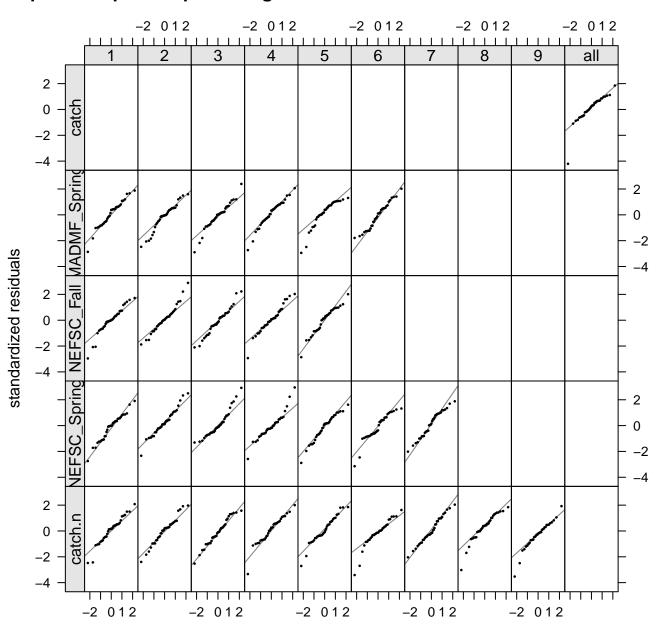
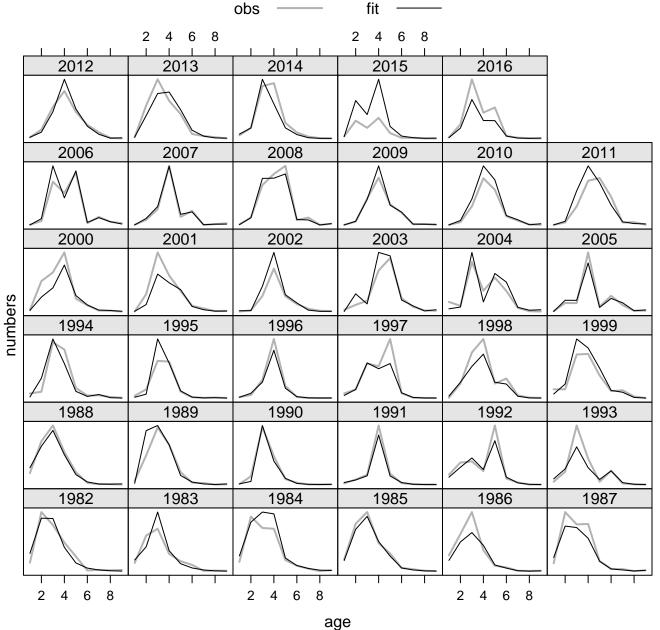
log residuals of catch and abundance indices by age



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

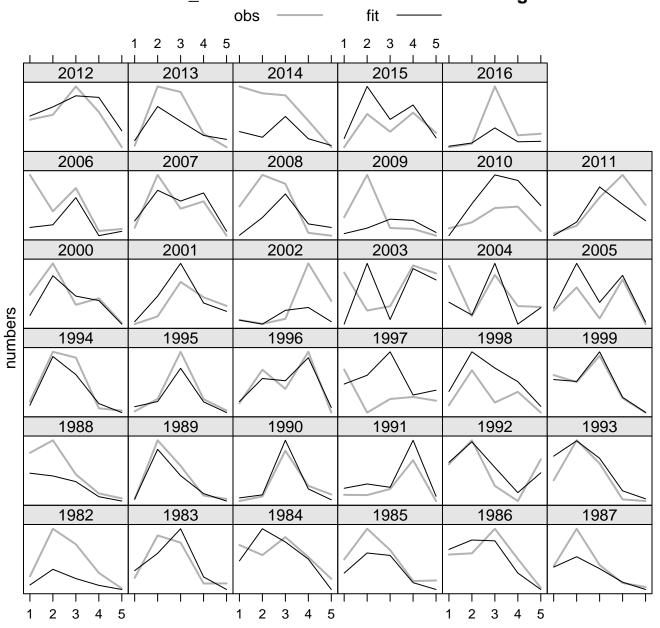


fitted and observed catch-at-age obs fit —

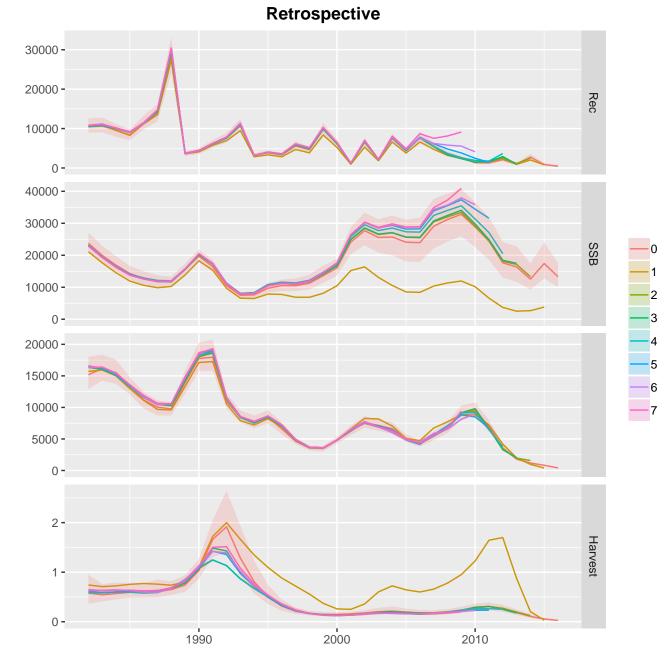


NEFSC_Spring: fitted and observed index-at-age obs fit 1 2 3 4 5 6 7 1 2 3 4 5 6 7 numbers 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 4 5 6 7

NEFSC_Fall: fitted and observed index-at-age



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 30000 -20000 -Rec 10000 -0 -40000 -30000 -SSB 20000 -10000 -0 -20000 -15000 -10000 -5000 -0 -2 -1 -0 -

2000

2010

1990

Abundance indices predictions

