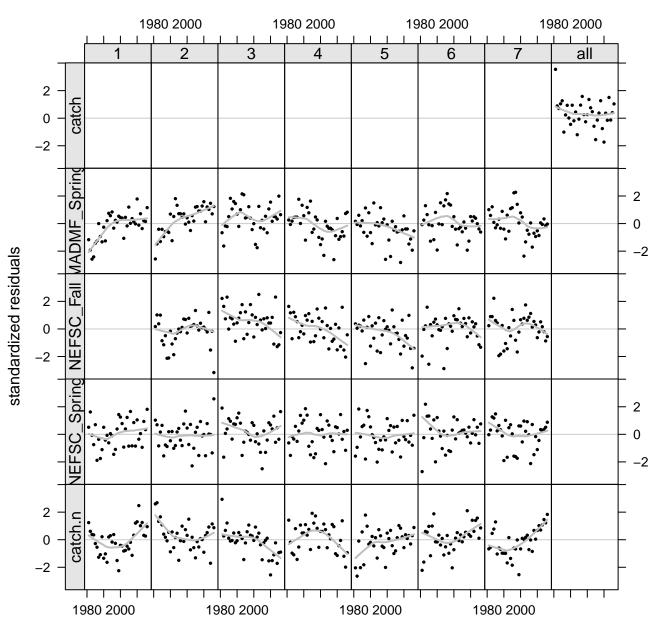
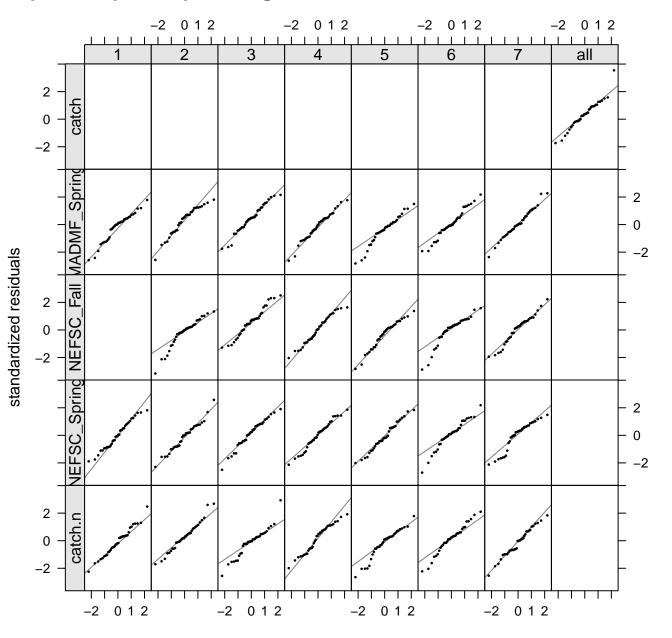
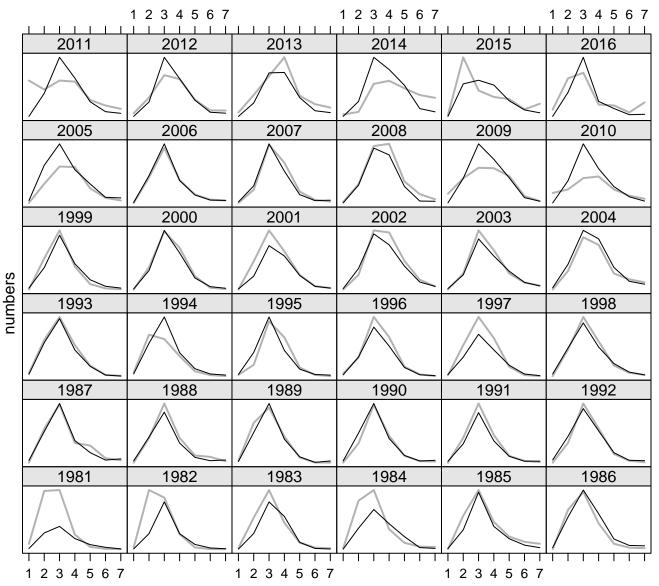
log residuals of catch and abundance indices by age



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

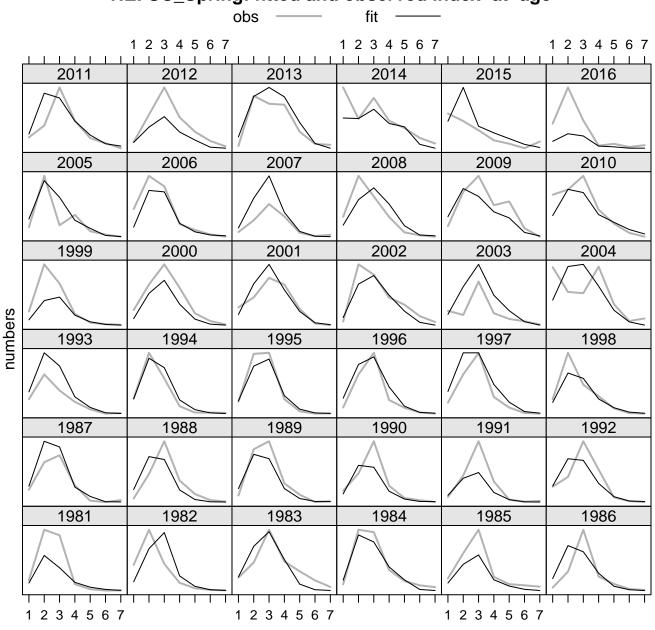


fitted and observed catch-at-age obs fit 1 2 3 4 5 6 7 1 2 3 4 5 6 7

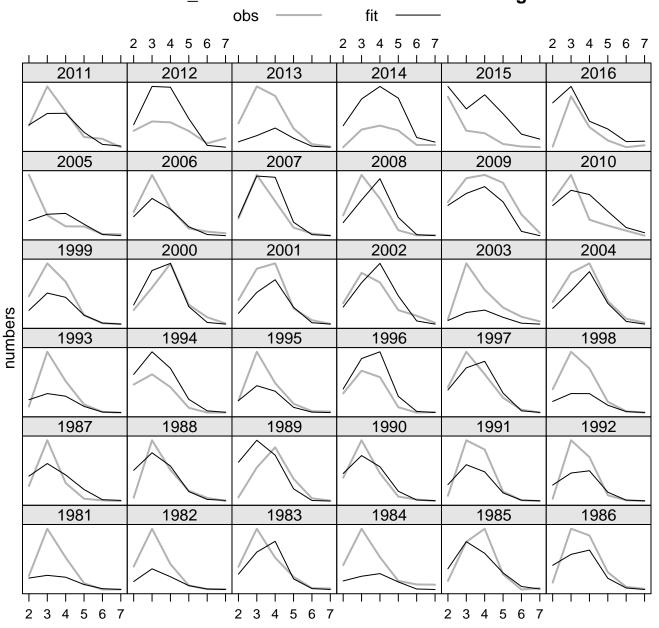


age

NEFSC_Spring: fitted and observed index-at-age



NEFSC_Fall: fitted and observed index-at-age

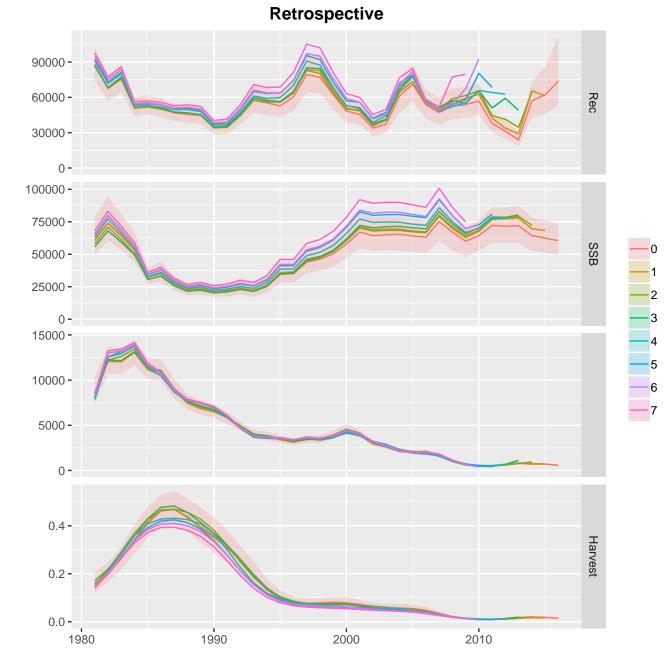


MADMF_Spring: fitted and observed index-at-age obs fit 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 4 5 6 7 numbers

1 2 3 4 5 6 7

1 2 3 4 5 6 7

1 2 3 4 5 6 7



Stock summary 90000 -60000 -Rec 30000 -0 -75000 **-**SSB 50000 -25000 -0 -15000 **-**10000 -5000 -0 -0.4 -П 0.2 -0.0 -2010 1990 2000 1980

Abundance indices predictions

