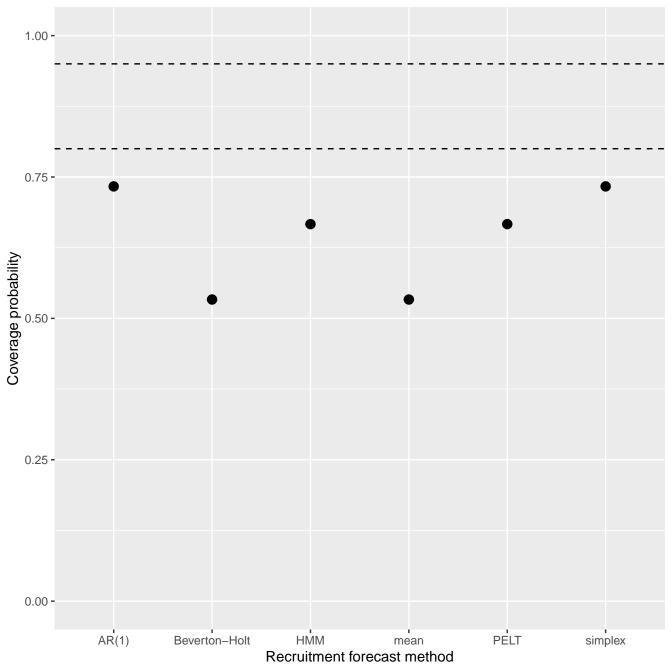
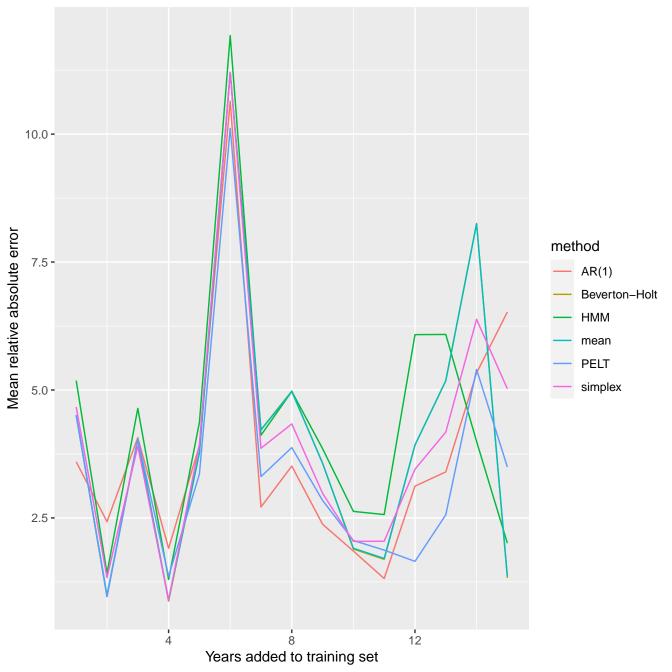
1-step Forecasts (a) mean (b) AR(1) 80000 150000 Recruitment 40000 20000 Recruitment 100000 50000 0 1980 1990 2000 1980 1990 2000 Year Year (c) Beverton-Holt (d) simplex 80000 200000 Recruitment 40000 20000 Recruitment 150000 100000 50000 0 0 1980 1990 2000 1990 2000 1980 Year Year (e) HMM (f) PELT Recruitment 50000 25000 75000 2e+05 Recruitment 1e+05 0e+00 0 1980 1990 2000 1980 1990 2000 Year Year





5-step Forecasts (a) mean (b) AR(1) 80000 80000 Recruitment 40000 20000 Recruitment 40000 20000 0 0 1980 1990 2000 1980 1990 2000 Year Year (c) Beverton-Holt (d) simplex 80000 Recruitment 40000 20000 Recruitment 1e+05 5e+04 0e+00 0 1980 1990 2000 1980 1990 2000 Year Year (e) HMM (f) PELT 125000 75000 100000 Recruitment 50000 25000 Recruitment 75000 50000 25000 0 0 1980 1990 2000 1980 1990 2000 Year Year

