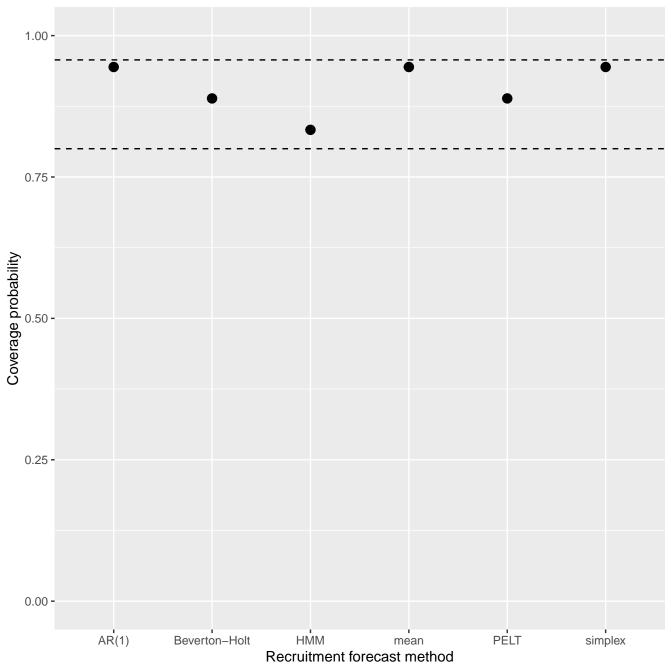
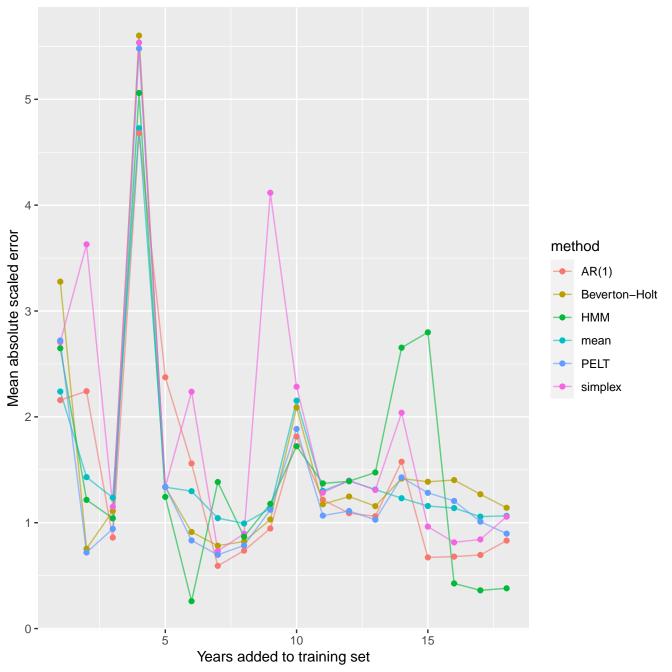
1-step Forecasts (b) AR(1) (a) mean Recruitment (,000s) 0.10 0.05 Recruitment ('000s) 1980 1990 2000 2010 1980 1990 2000 2010 Year Year (c) Beverton-Holt (d) simplex 0.20 Recruitment ('000s) 0.3 0.2 0.1 Recruitment ('000s) 0.15 0.10 0.05 0.0 2000 2010 1980 1990 2000 2010 1990 1980 Year Year (e) HMM (f) PELT Recruitment ('000s) Recruitment ('000s) 0.15 0.2 0.10 0.05 2000 1980 1990 2010 1980 1990 2000 2010 Year Year





5-step Forecasts (a) mean (b) AR(1) Recruitment (,000s) 0.10 0.05 0.20 Recruitment ('000s) 0.10 0.05 1980 1990 2000 2010 1980 1990 2000 2010 Year Year (c) Beverton-Holt (d) simplex Recruitment ('000s) Recruitment ('000s) 0.3 0.15 0.2 0.10 0.05 0.0 2010 2000 2000 1980 1990 2010 1990 1980 Year Year (e) HMM (f) PELT Recruitment ('000s) Recruitment ('000s) 0.15 0.2 0.10 0.05 0.0 2000 1980 1990 2010 1980 1990 2000 2010 Year Year

