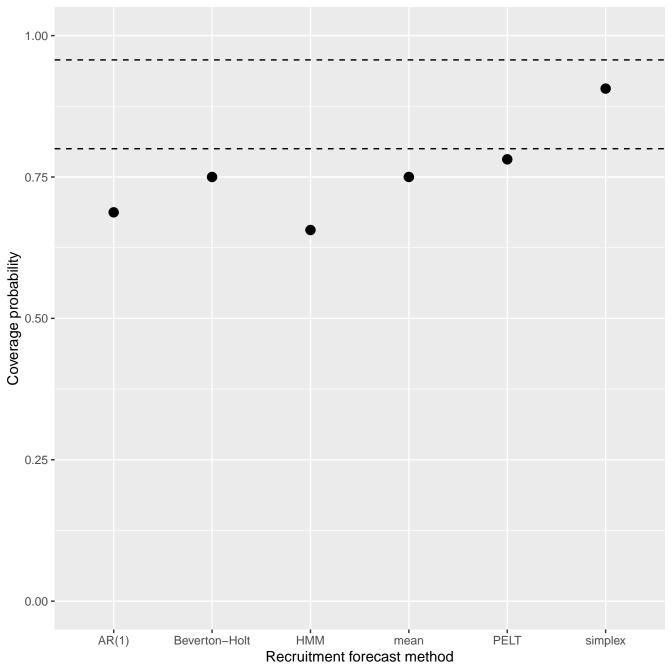
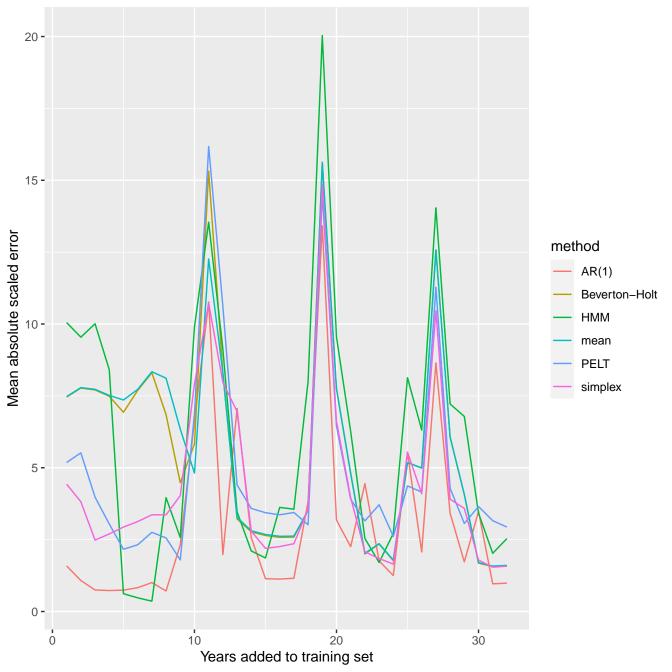
1-step Forecasts (a) mean (b) AR(1) Recruitment ('000s) Recruitment ('000s) 1.2 0.5 0.5 1.5 0.5 1960 1980 1990 2000 2010 1960 1980 1990 2000 2010 1970 1970 Year Year (c) Beverton-Holt (d) simplex Recruitment ('000s) Recruitment ('000s) 1.5 1.5 1.0 1.0 0.5 0.5 1990 2000 2010 1960 1980 1990 2000 2010 1960 1970 1980 1970 Year Year (e) HMM (f) PELT Recruitment ('000s) 2.0 Recruitment ('000s) 1.5 1.0 0.5 1960 1970 1980 1990 2000 2010 1960 1970 1980 1990 2000 2010 Year Year





5-step Forecasts (a) mean (b) AR(1) Recruitment ('000s) Recruitment ('000s) 1.6 1.5 1.2 0.8 0.5 0.4 1960 1980 1990 2000 2010 1960 1970 1980 1990 2000 2010 1970 Year Year (c) Beverton-Holt (d) simplex Recruitment ('000s) Recruitment ('000s) 1.5 1.5 1.0 1.0 0.5 0.5 1960 1980 1990 2000 2010 1960 1980 1990 2000 2010 1970 1970 Year Year (e) HMM (f) PELT Recruitment ('000s) 1.5 Recruitment ('000s) 1.5 1.0 0.5 1960 1970 1980 1990 2000 2010 1960 1970 1980 1990 2000 2010 Year Year

