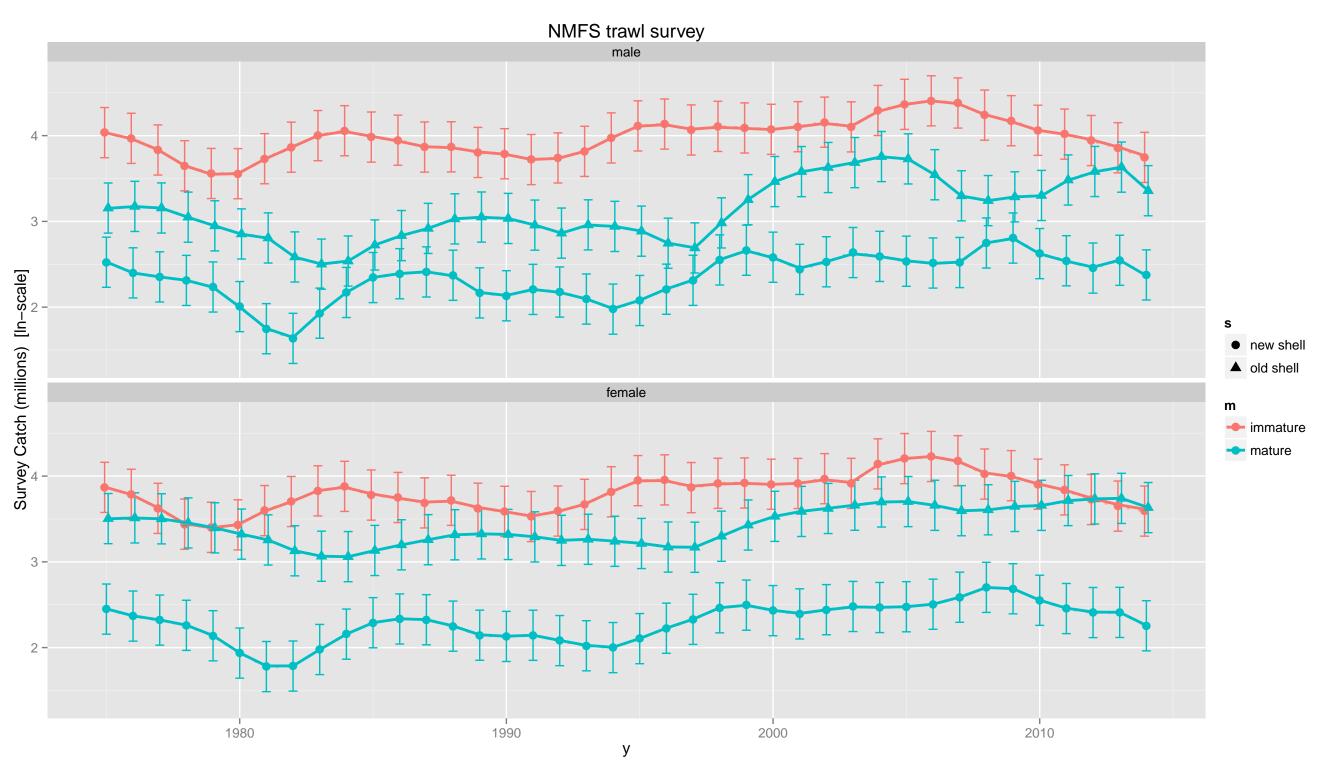
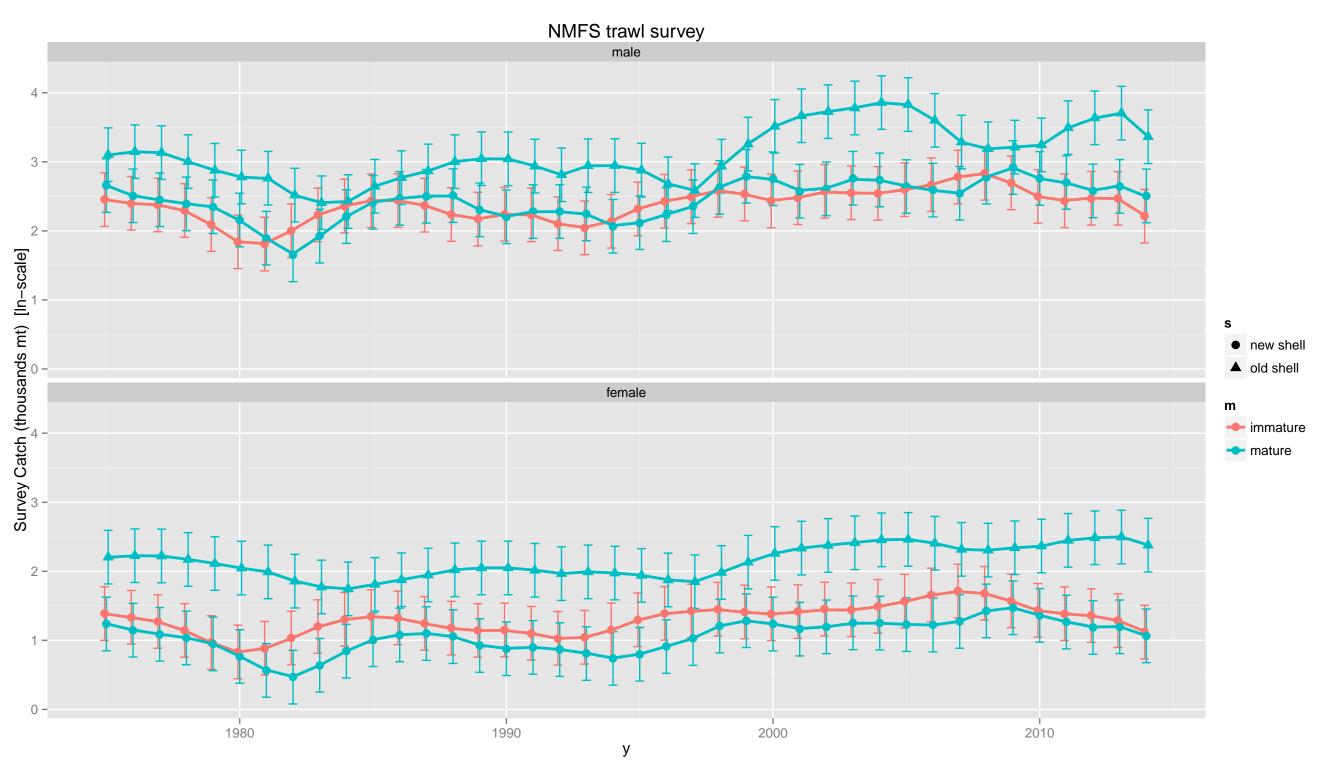
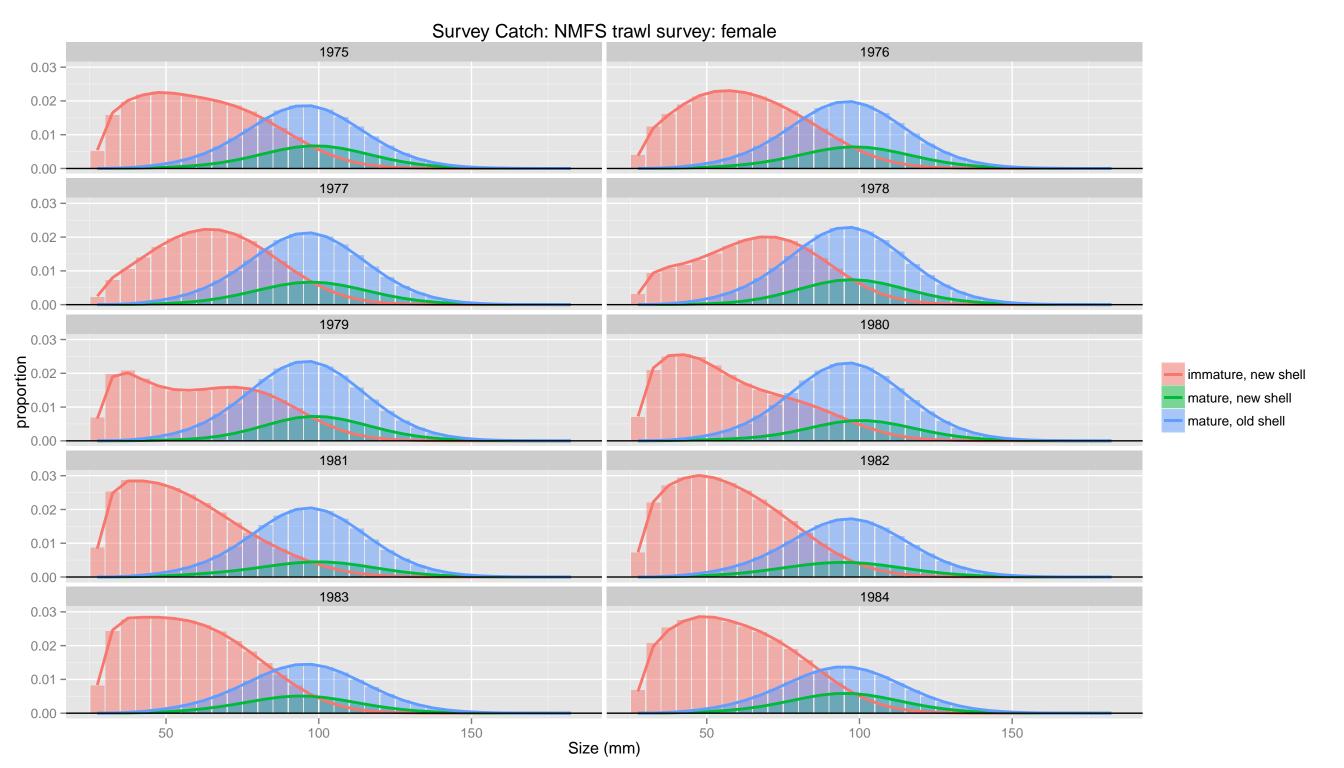


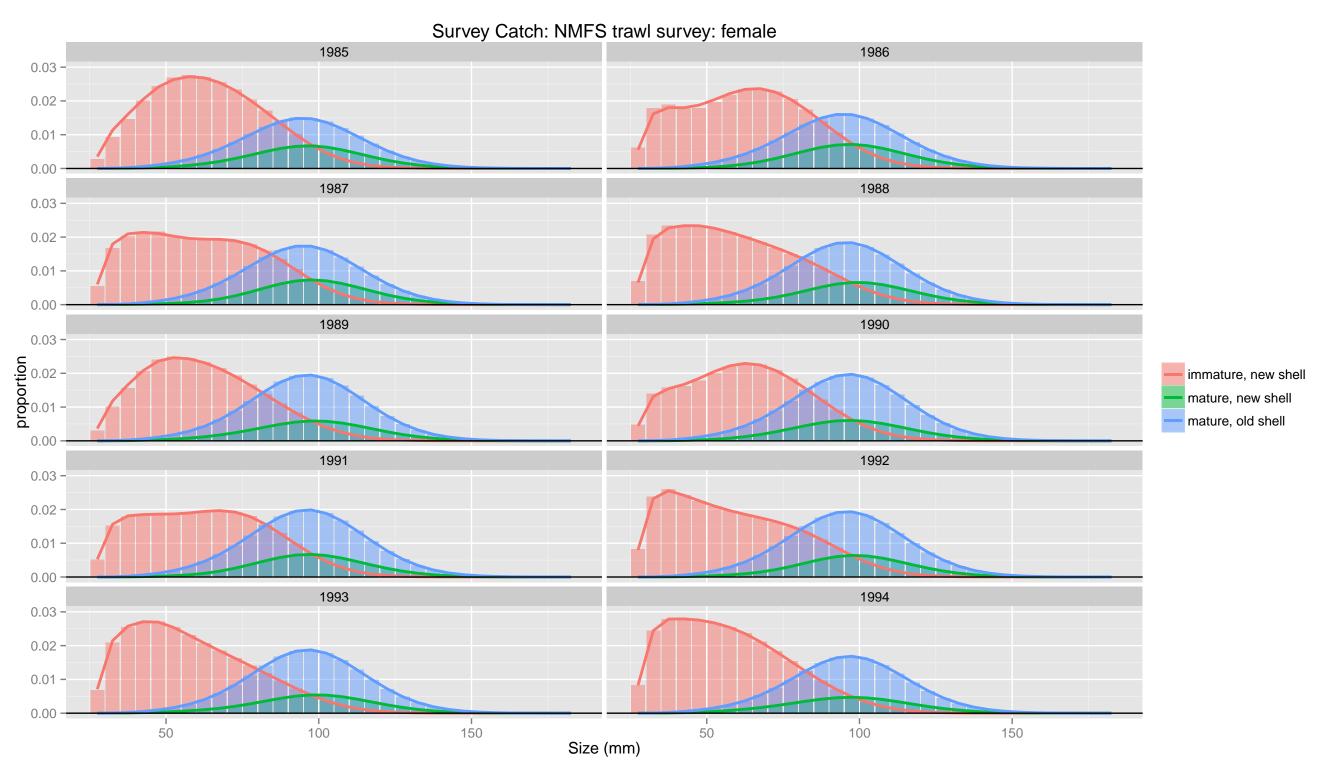
NMFS trawl survey male 90 -60 -30 -Survey Catch (millions) S new shell ▲ old shell female m immature mature 60 -30 -0 -1990 1980 2000 2010

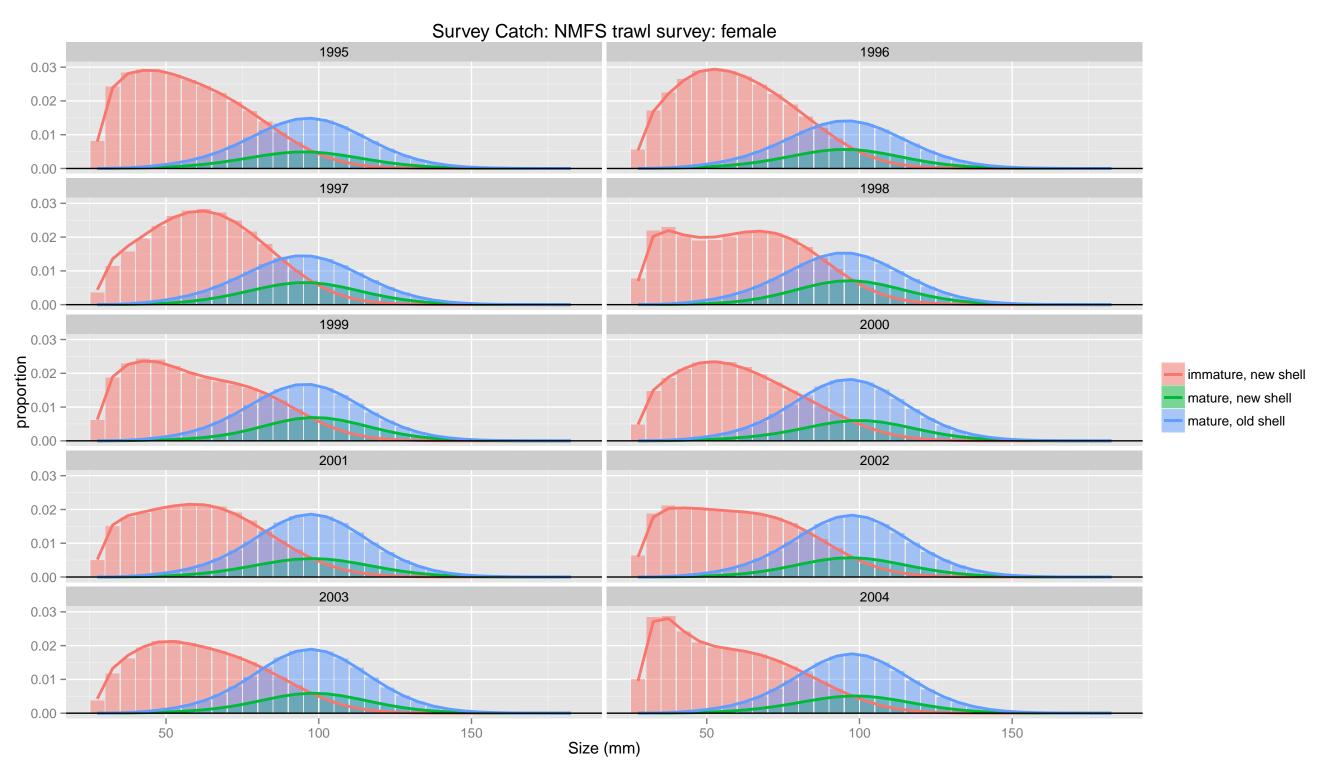


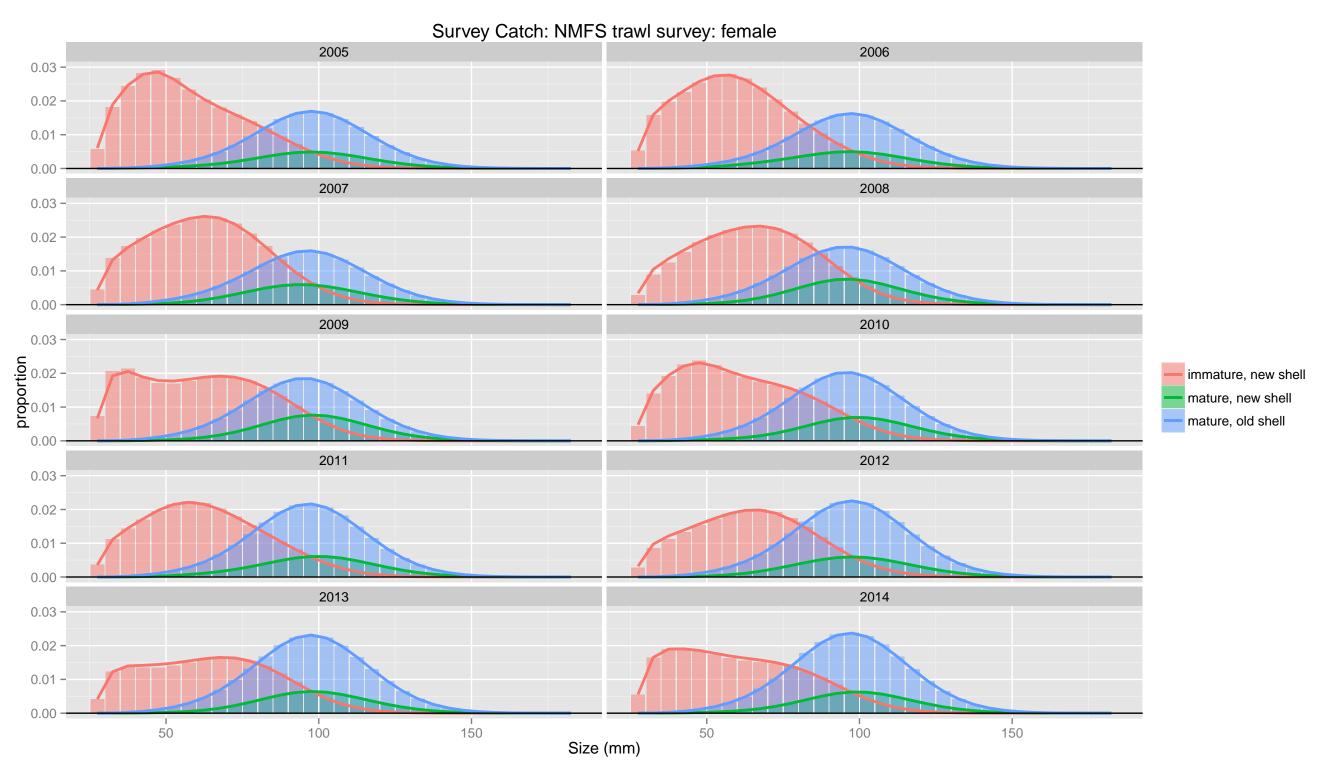
NMFS trawl survey male 60 -40 -Survey Catch (thousands mt) S new shell ▲ old shell female m immature mature 40 -20 -0 -1980 1990 2000 2010

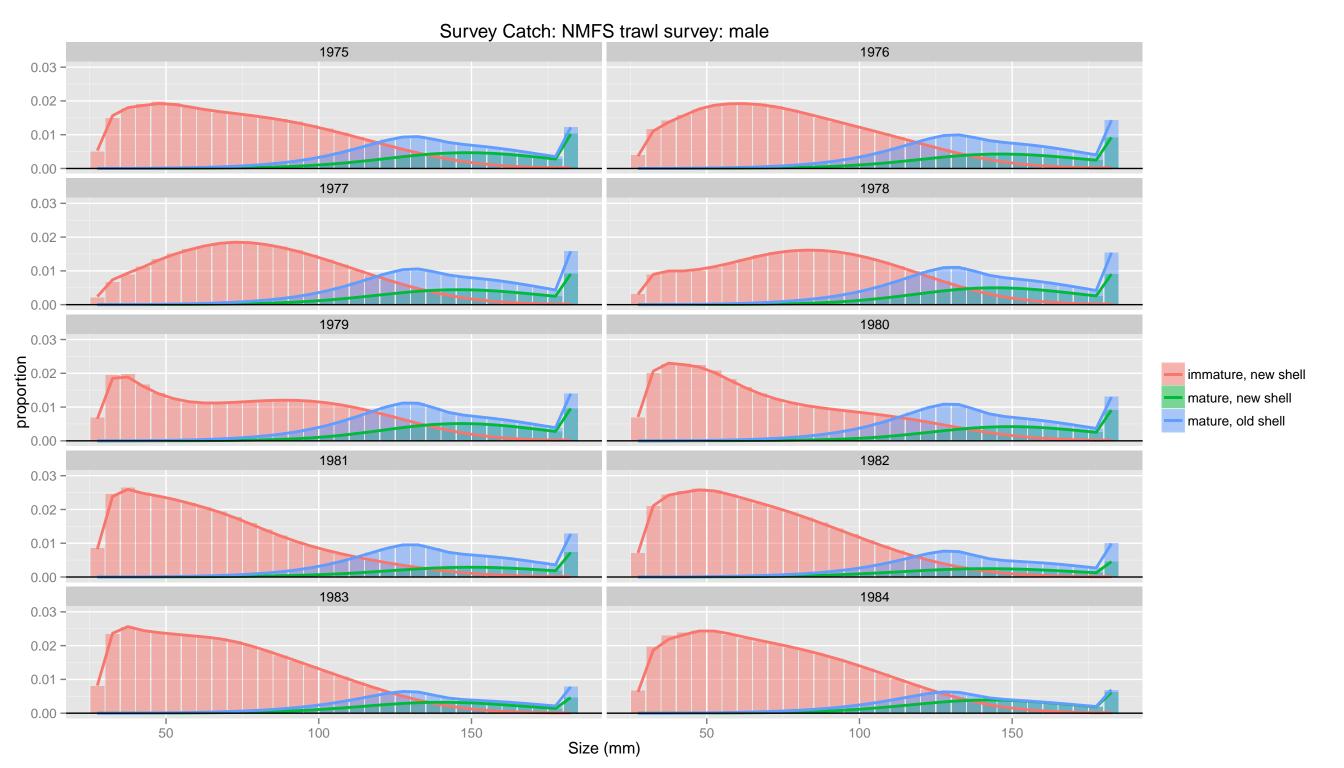


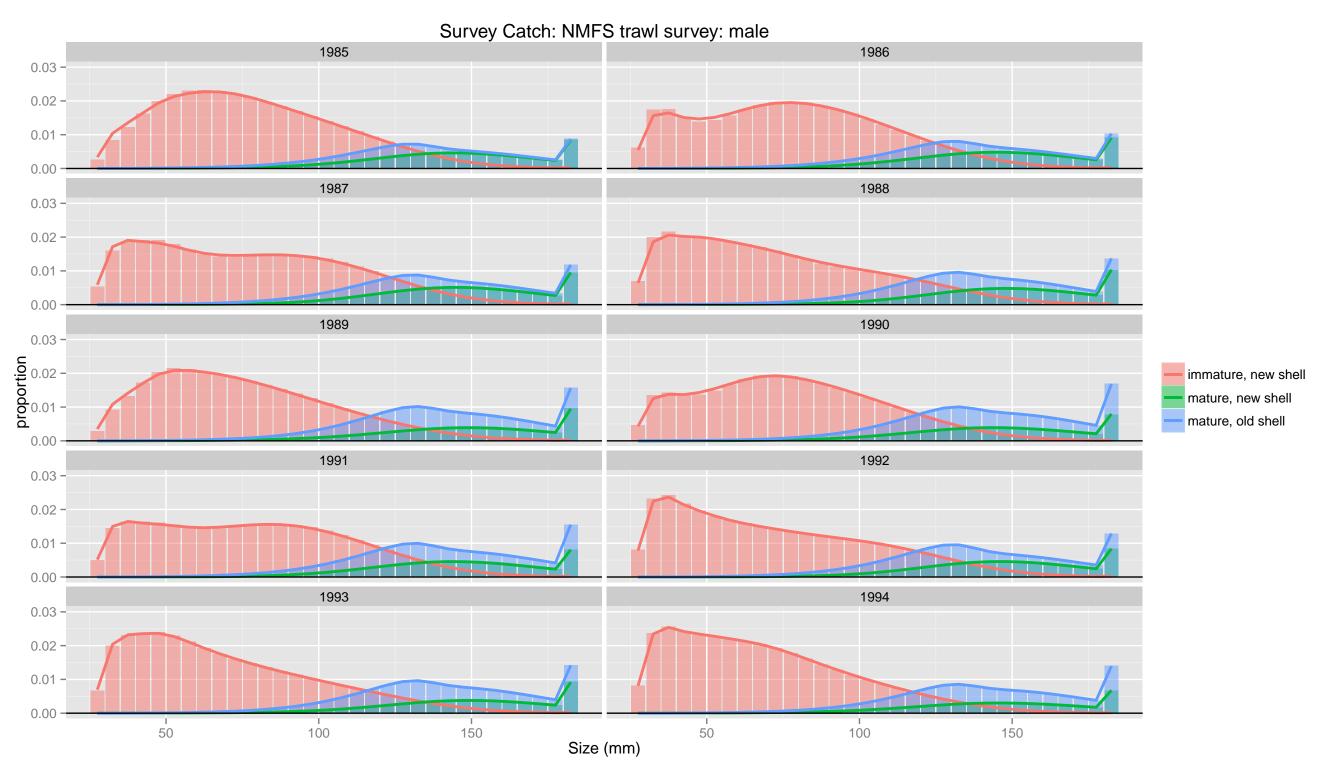


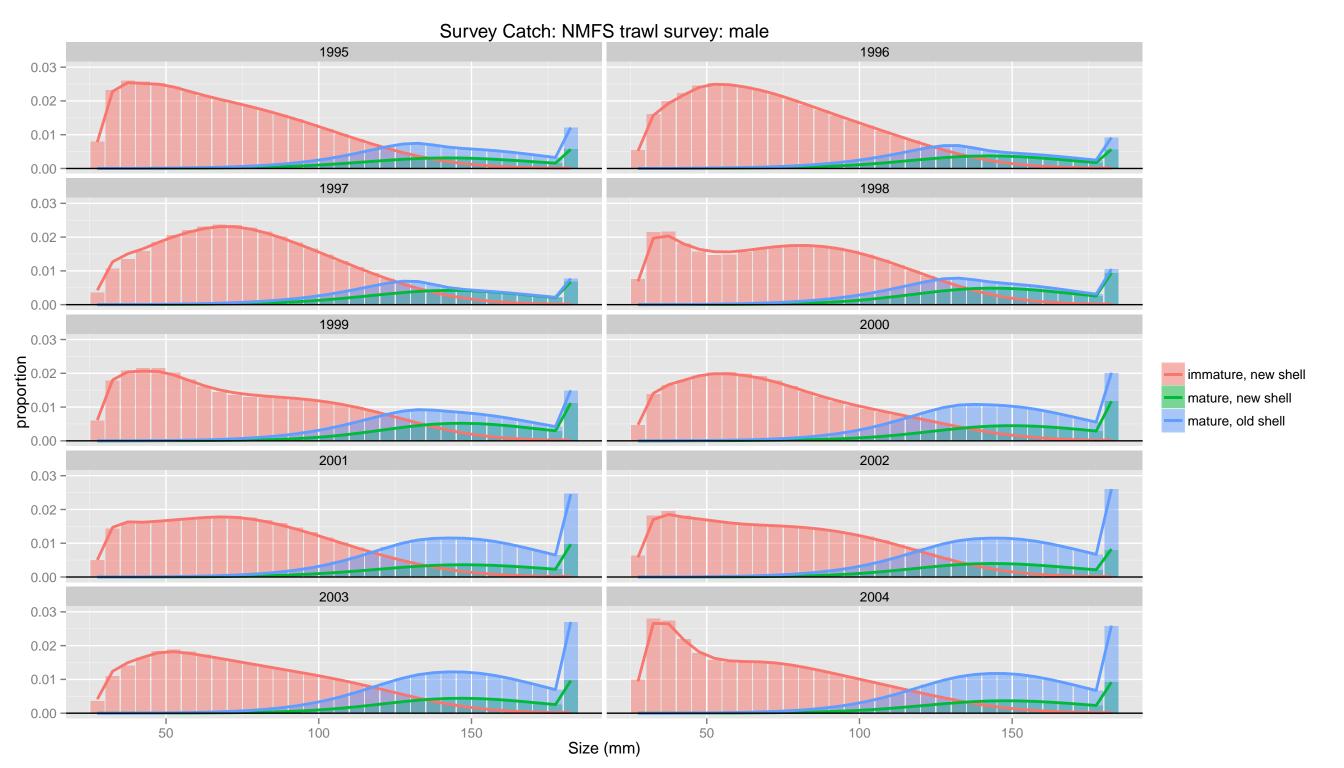




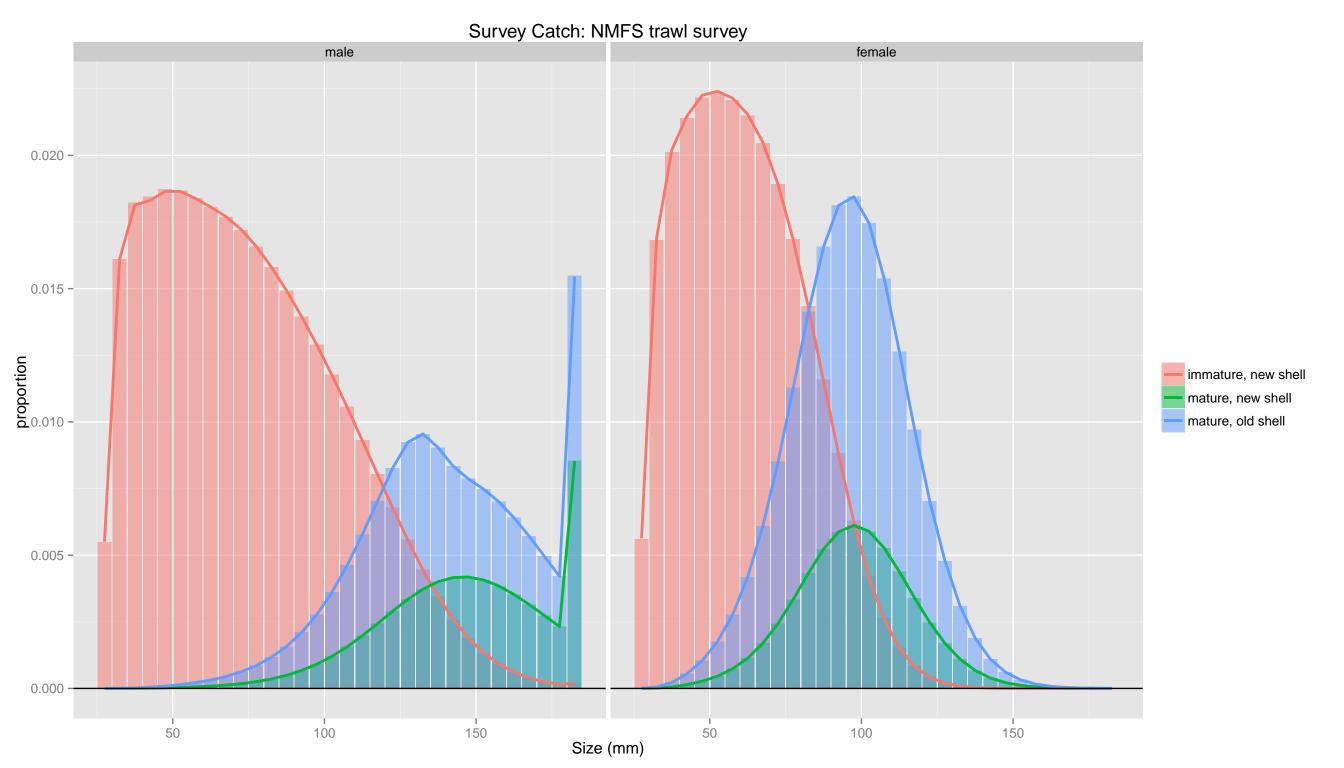


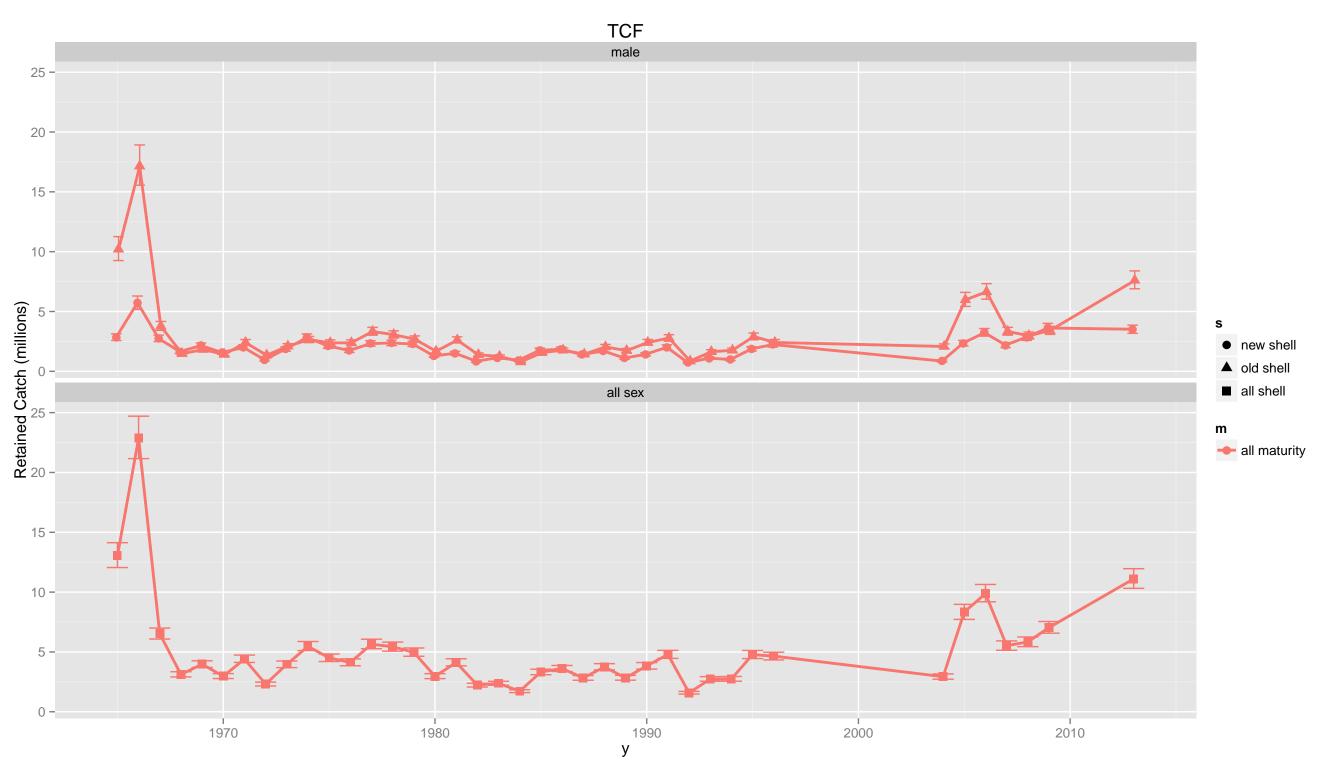


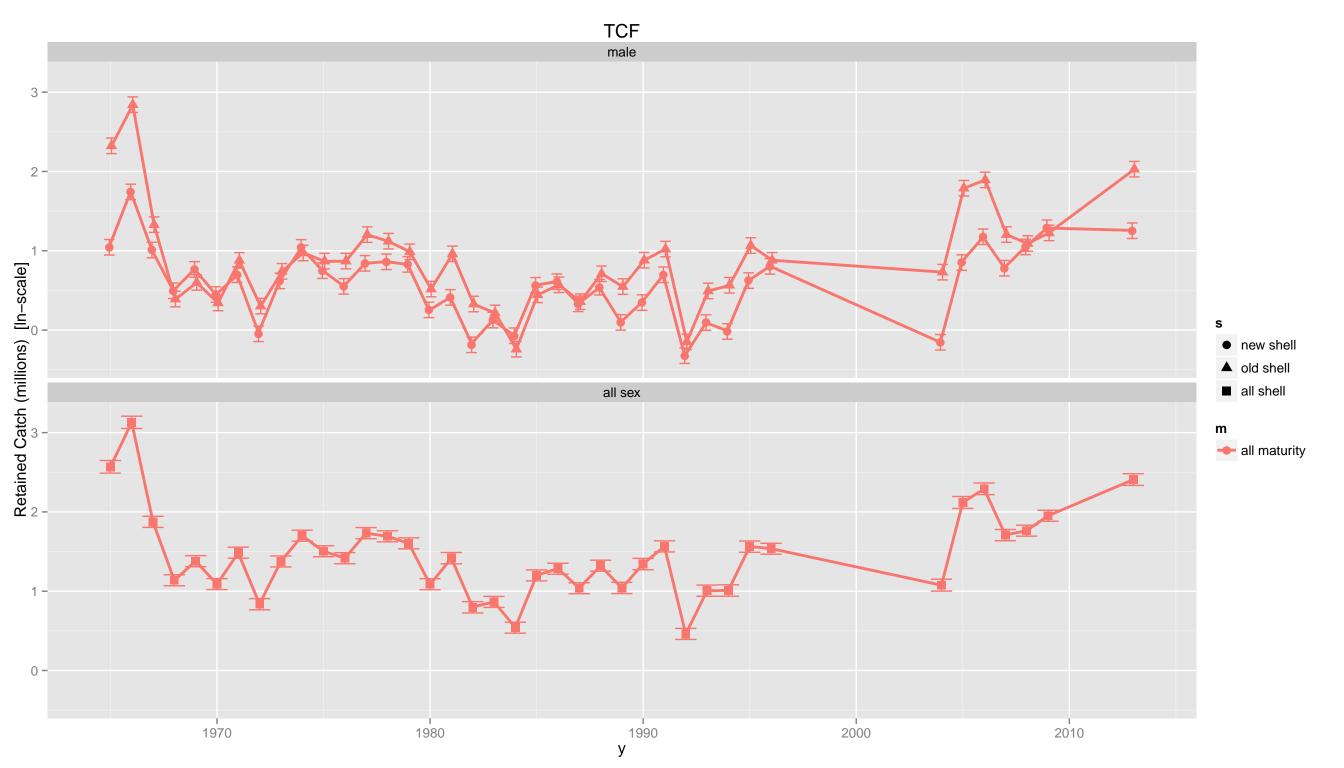


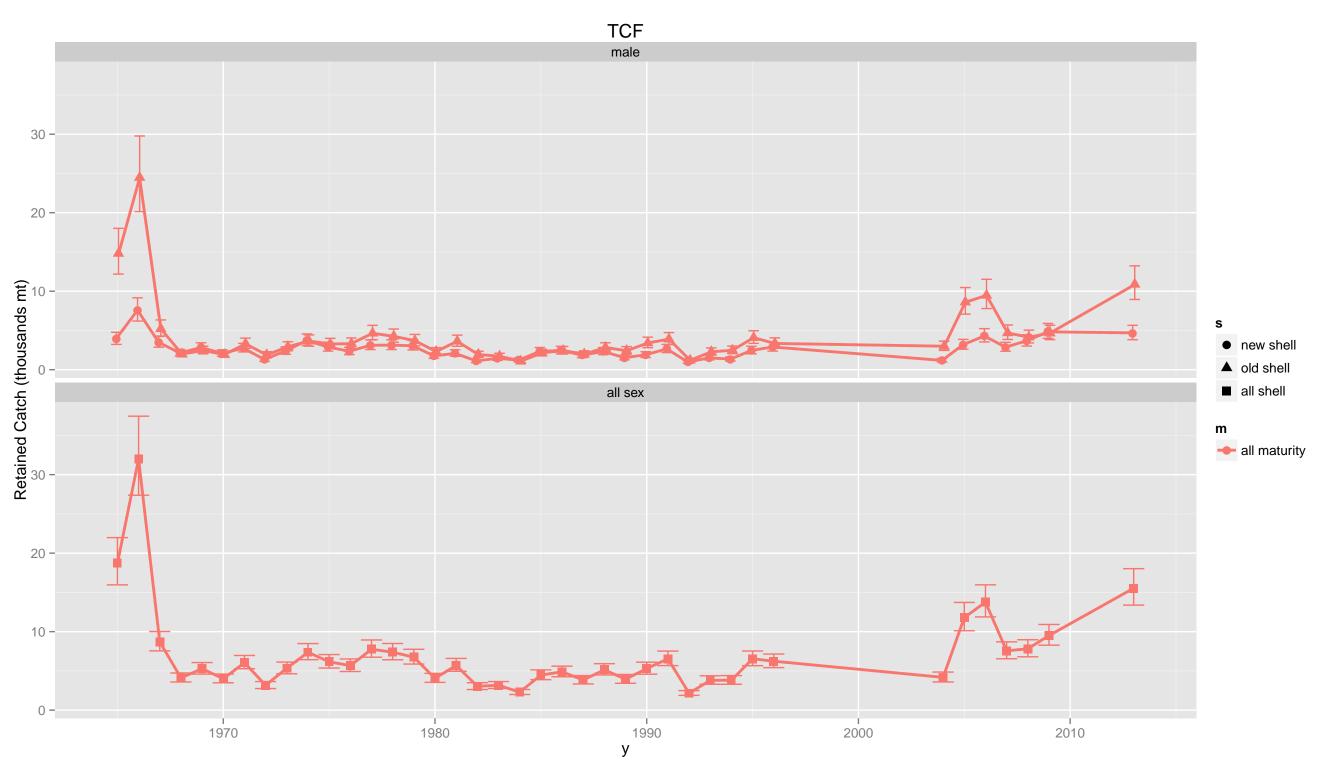


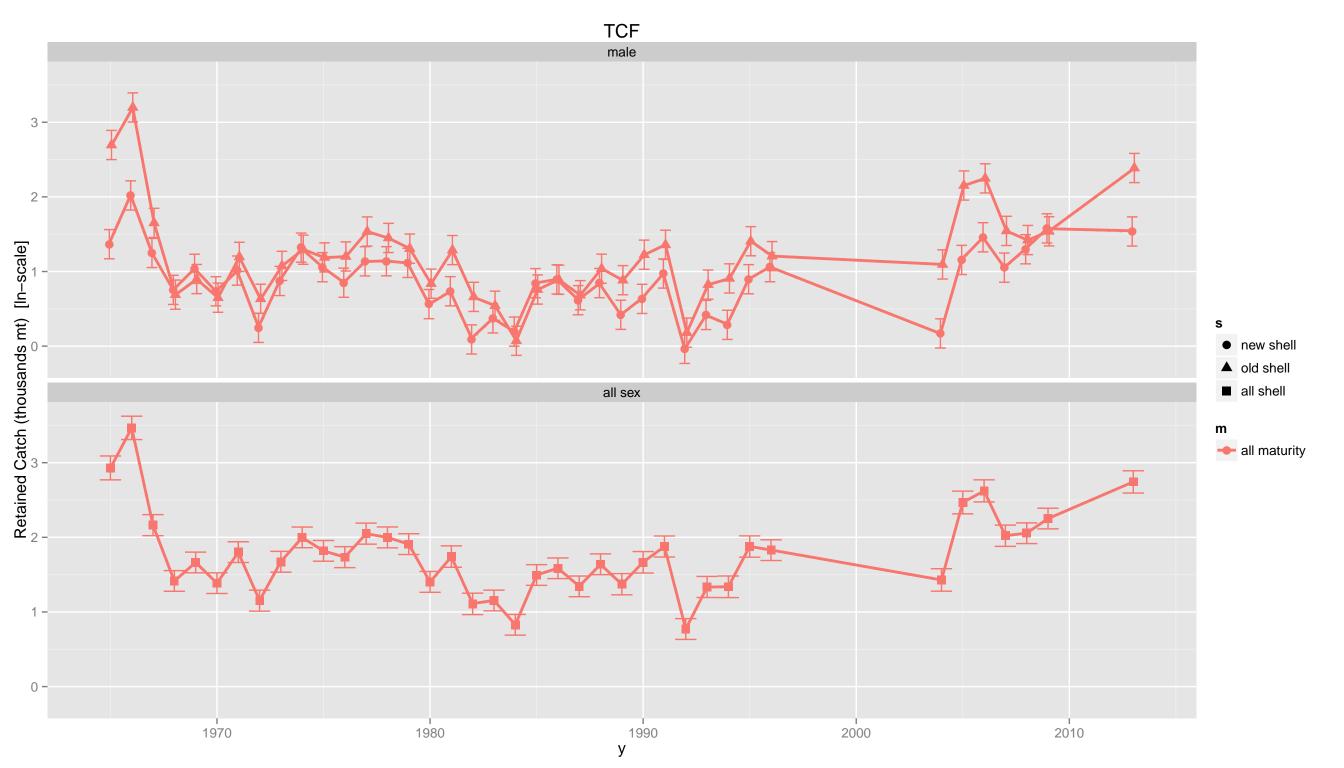


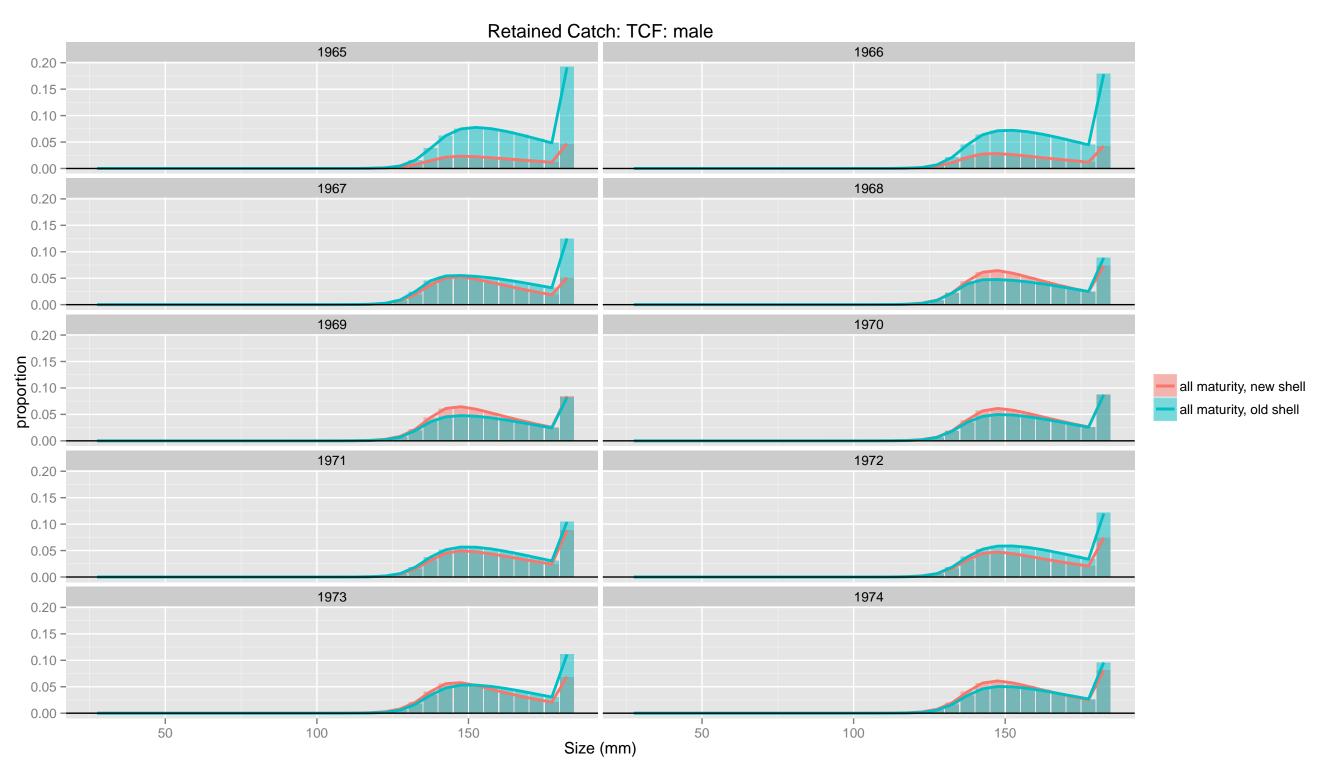




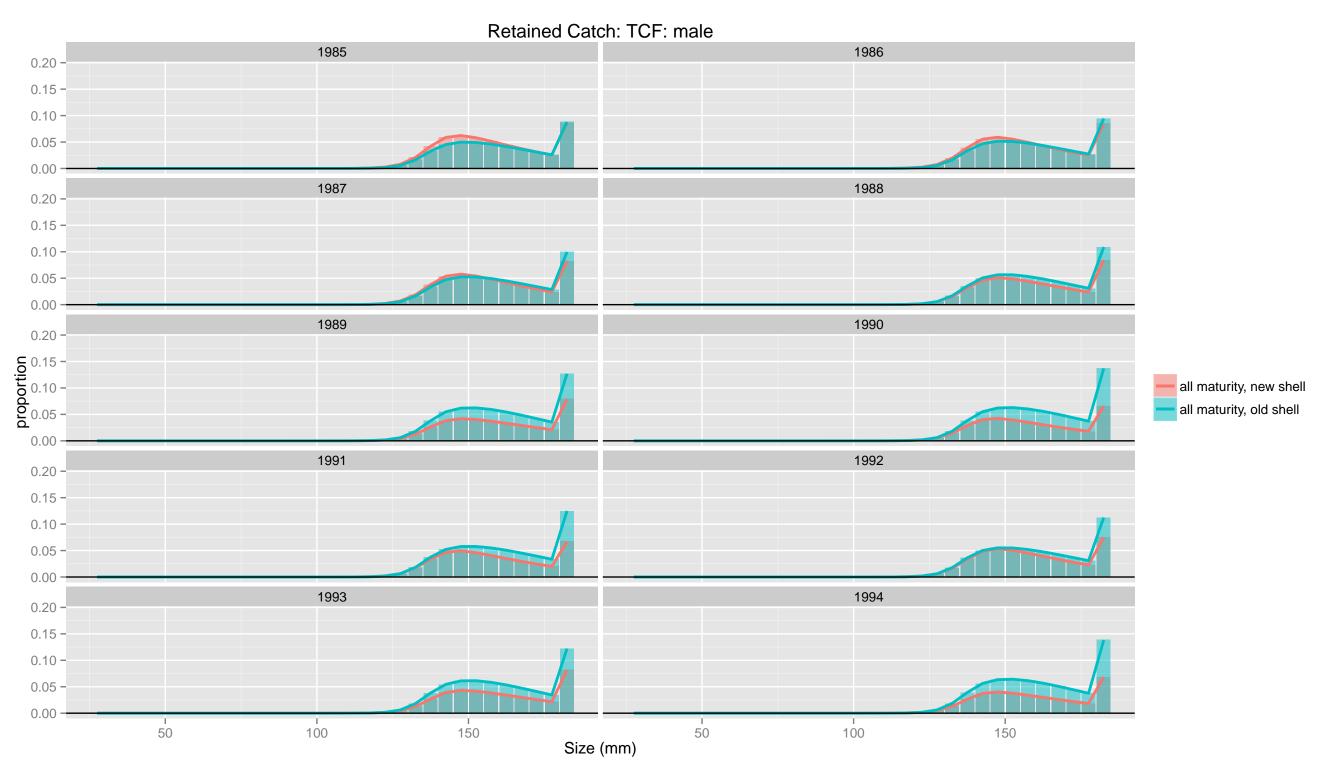


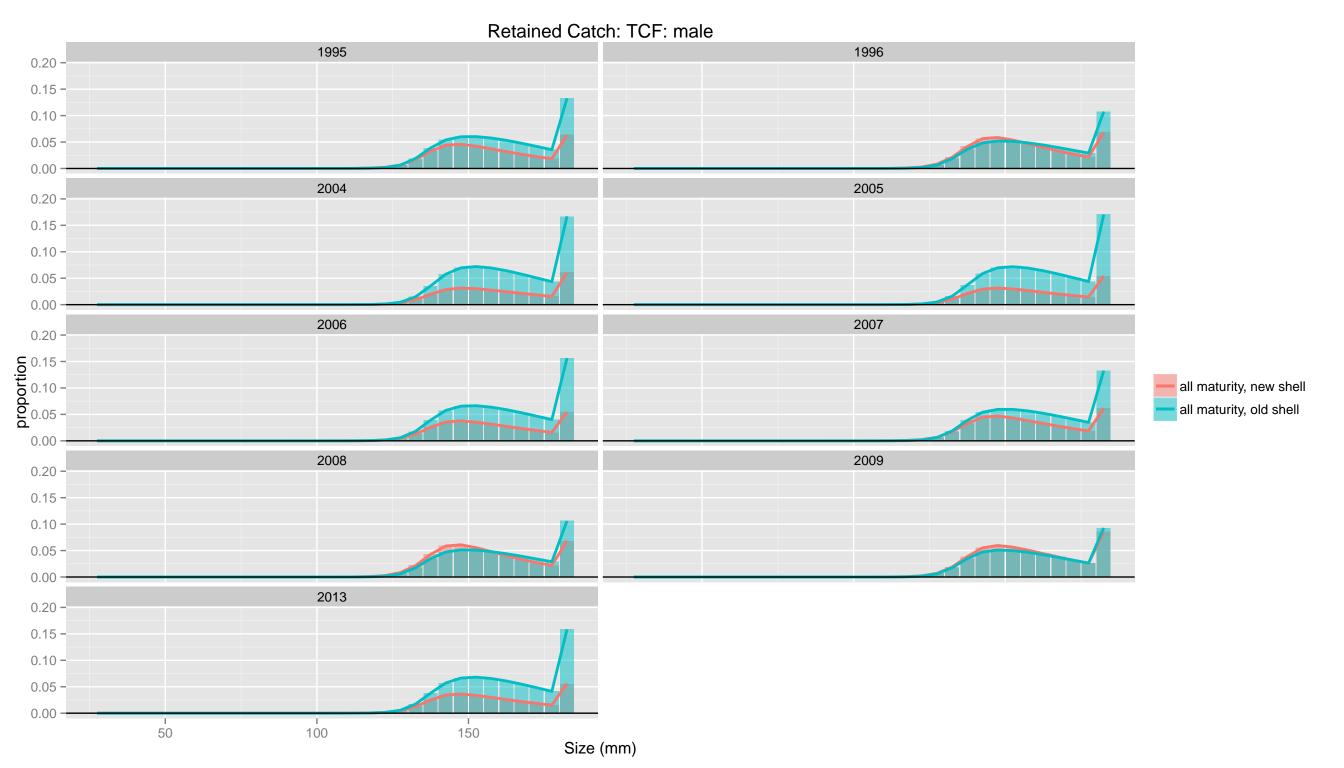


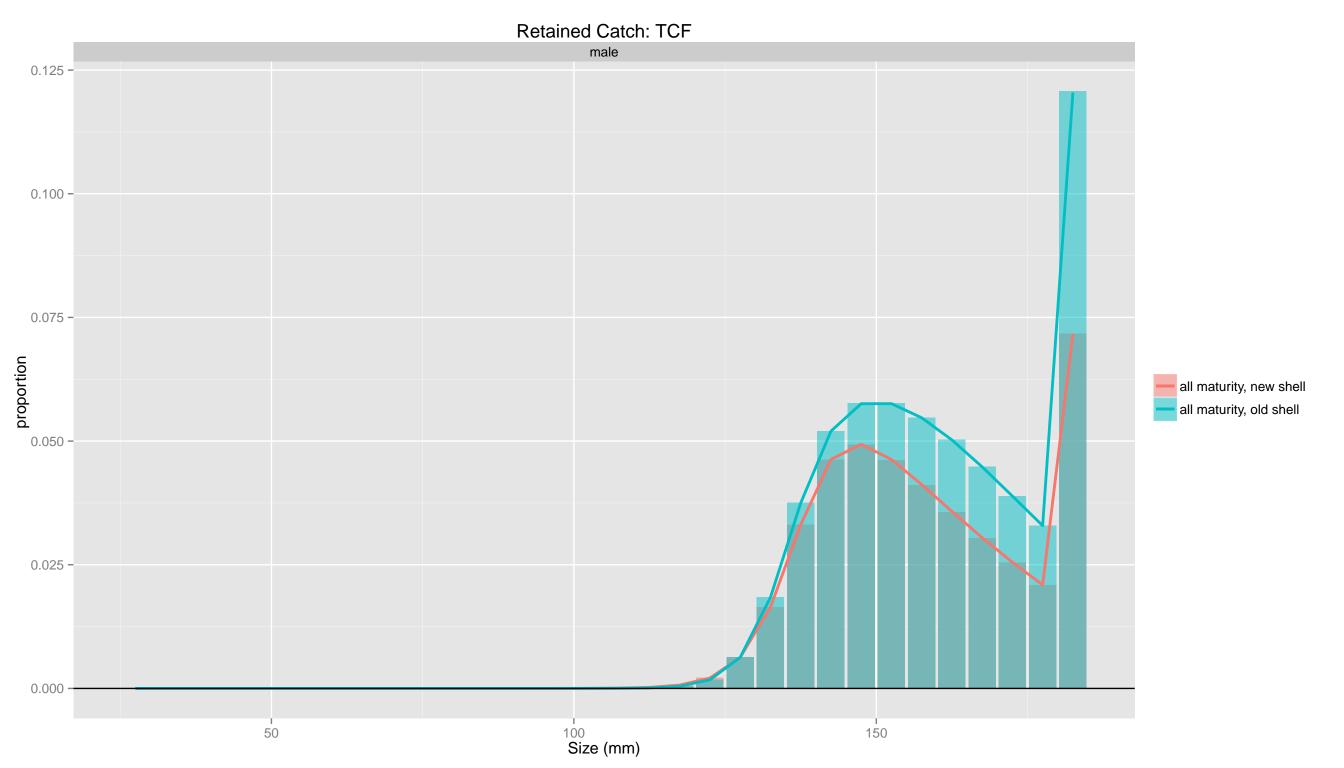


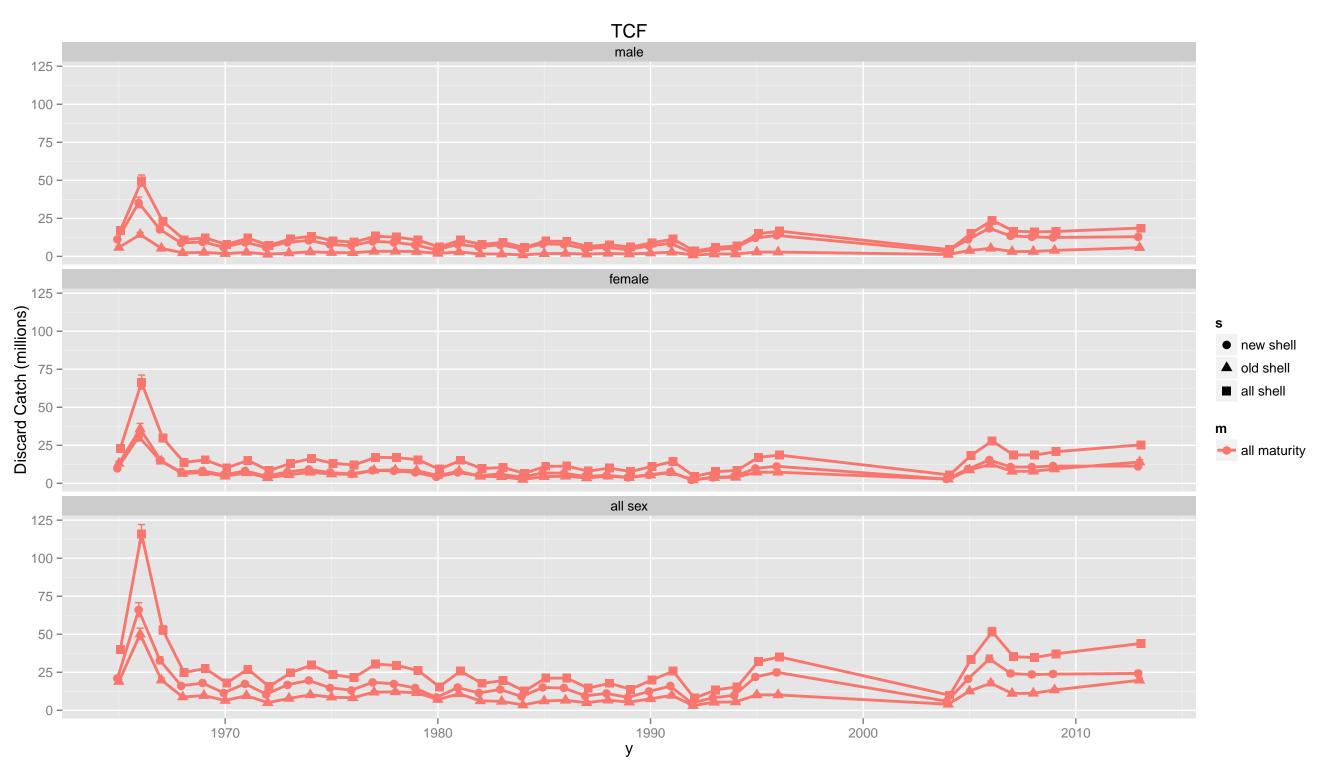


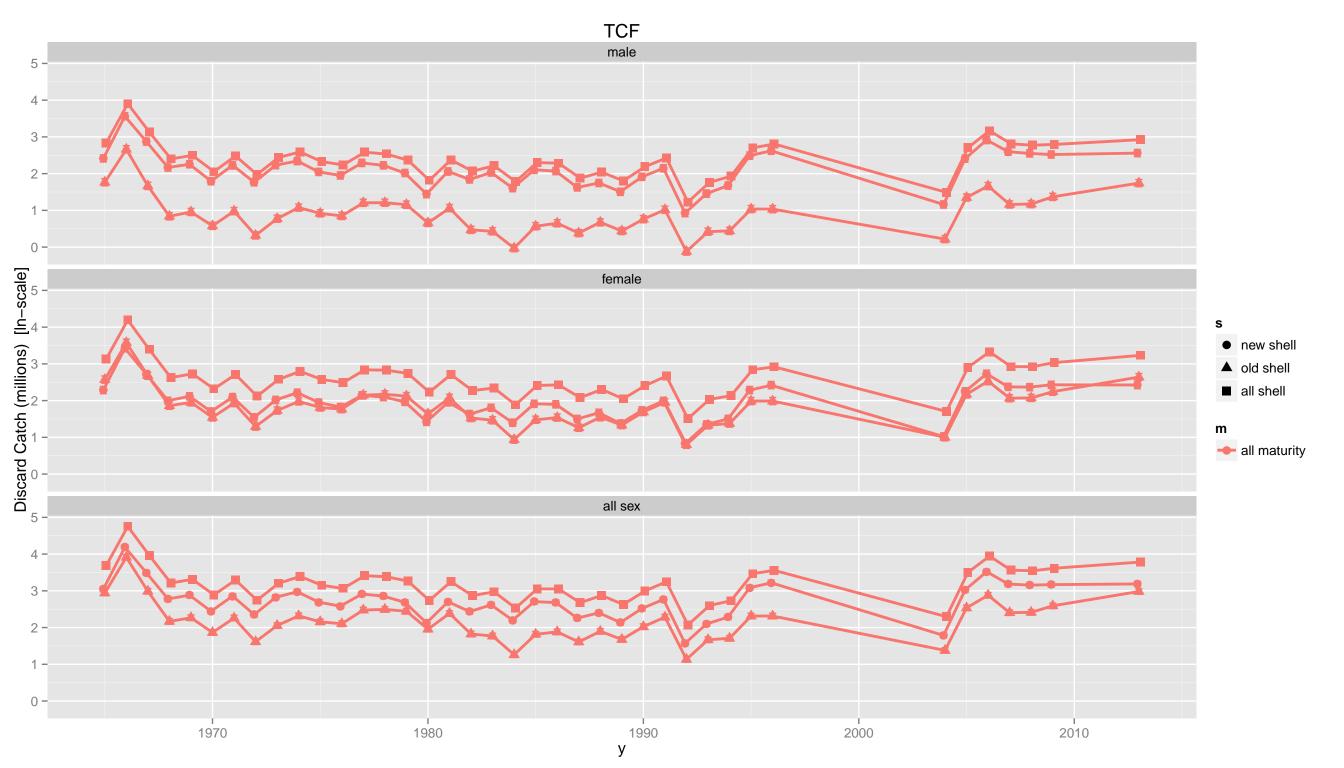


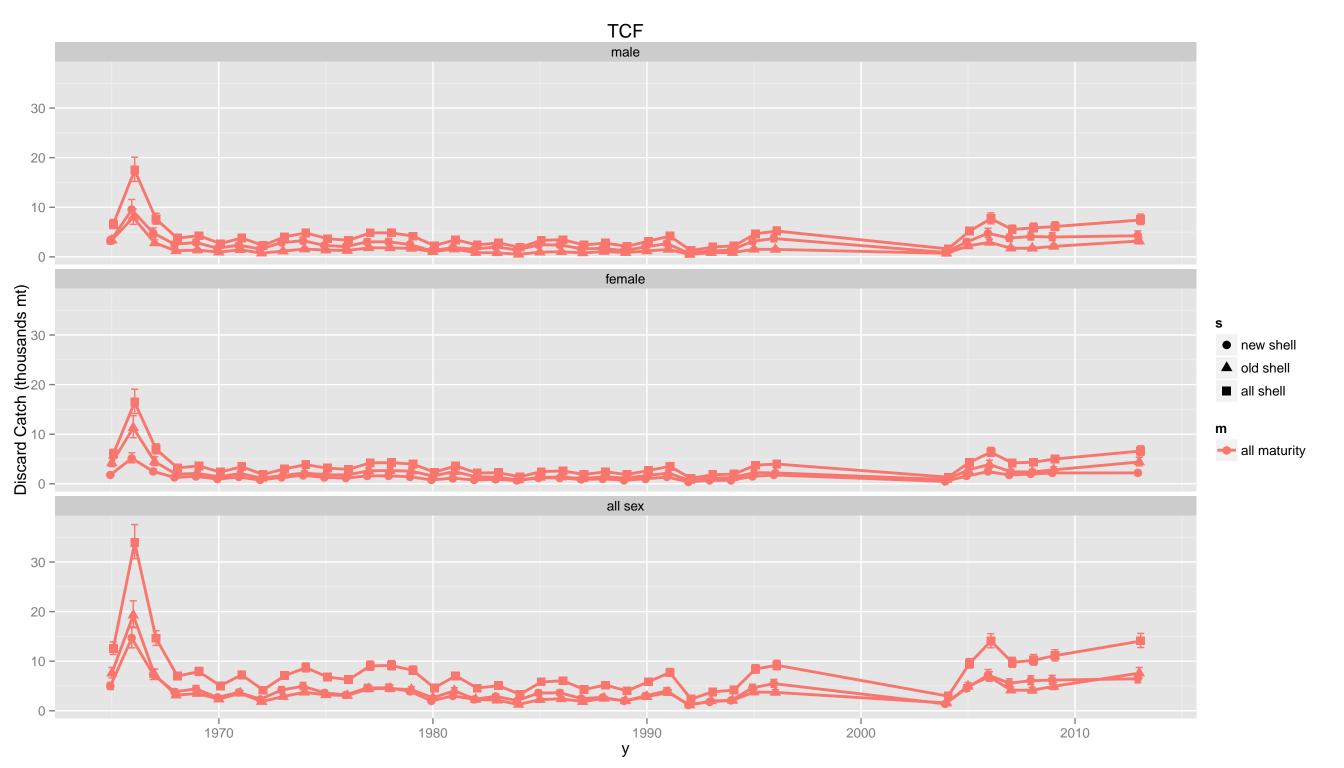


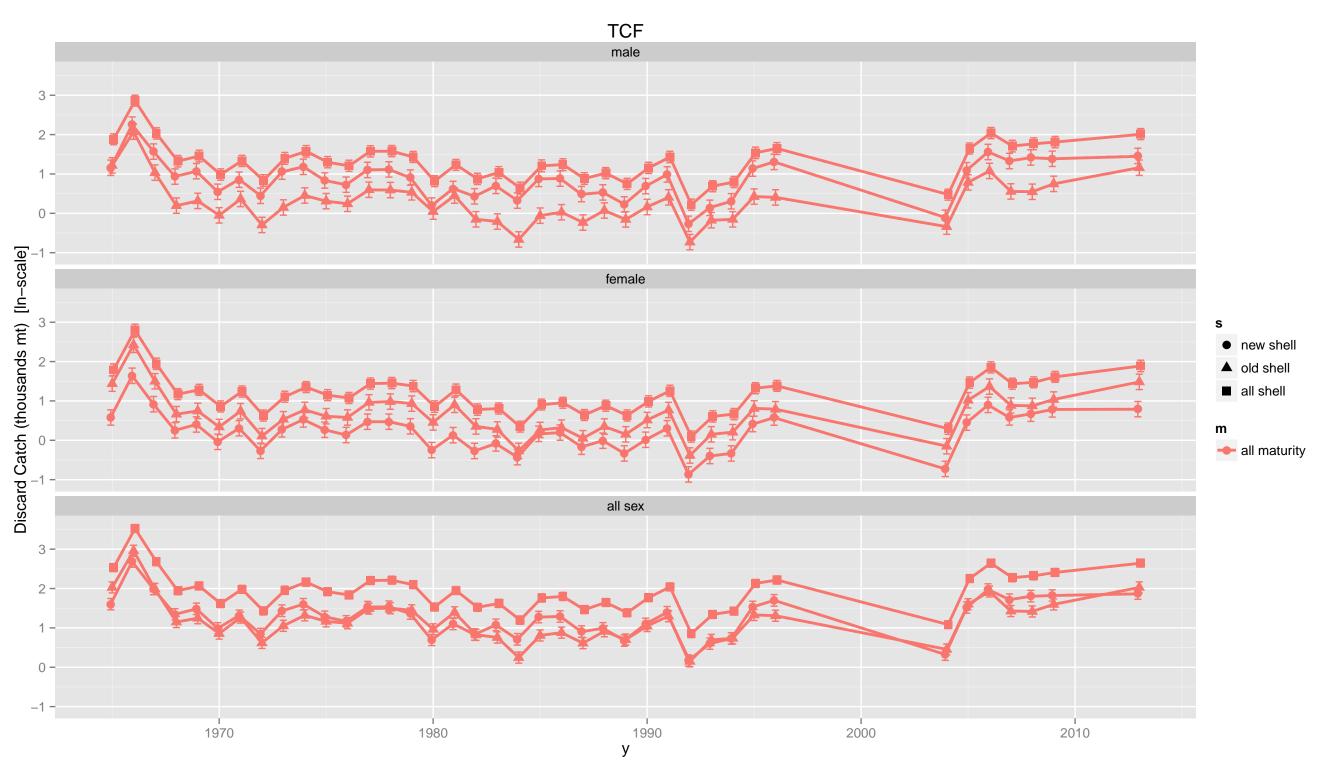


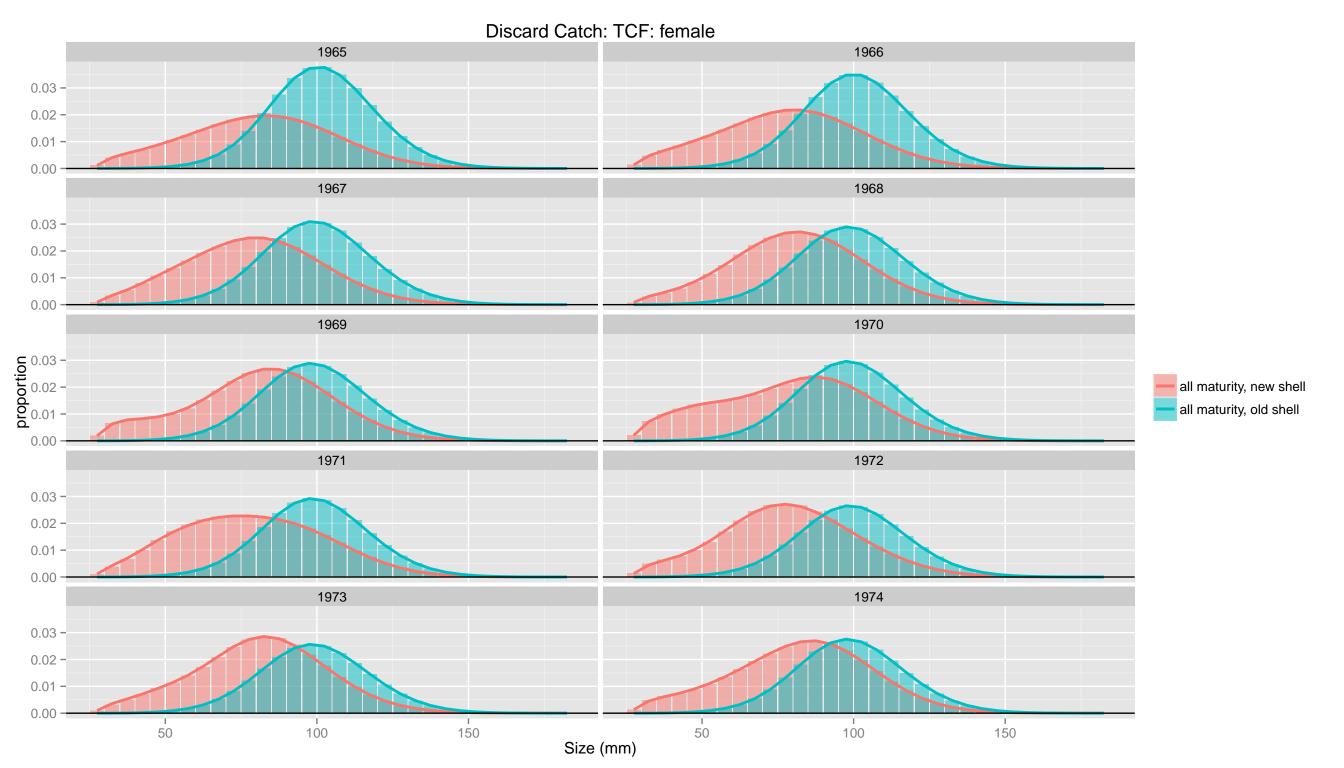


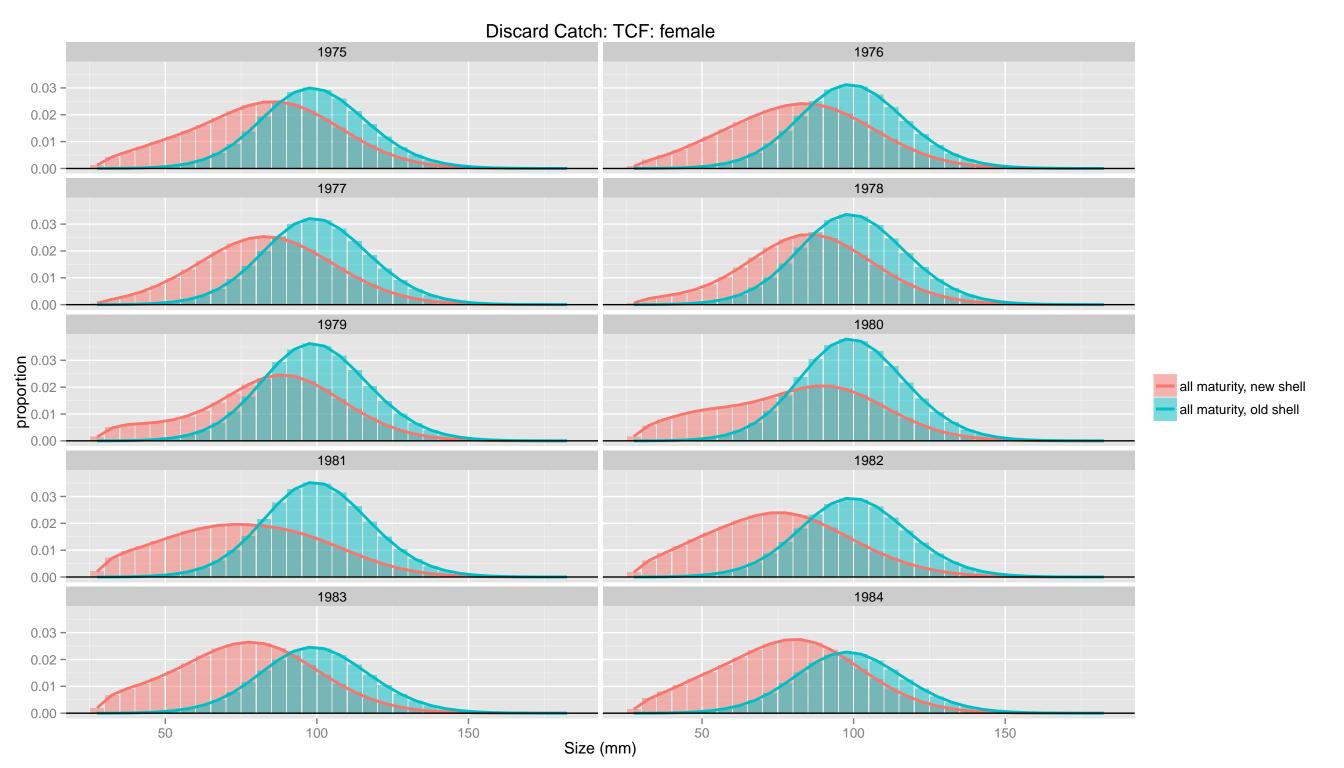


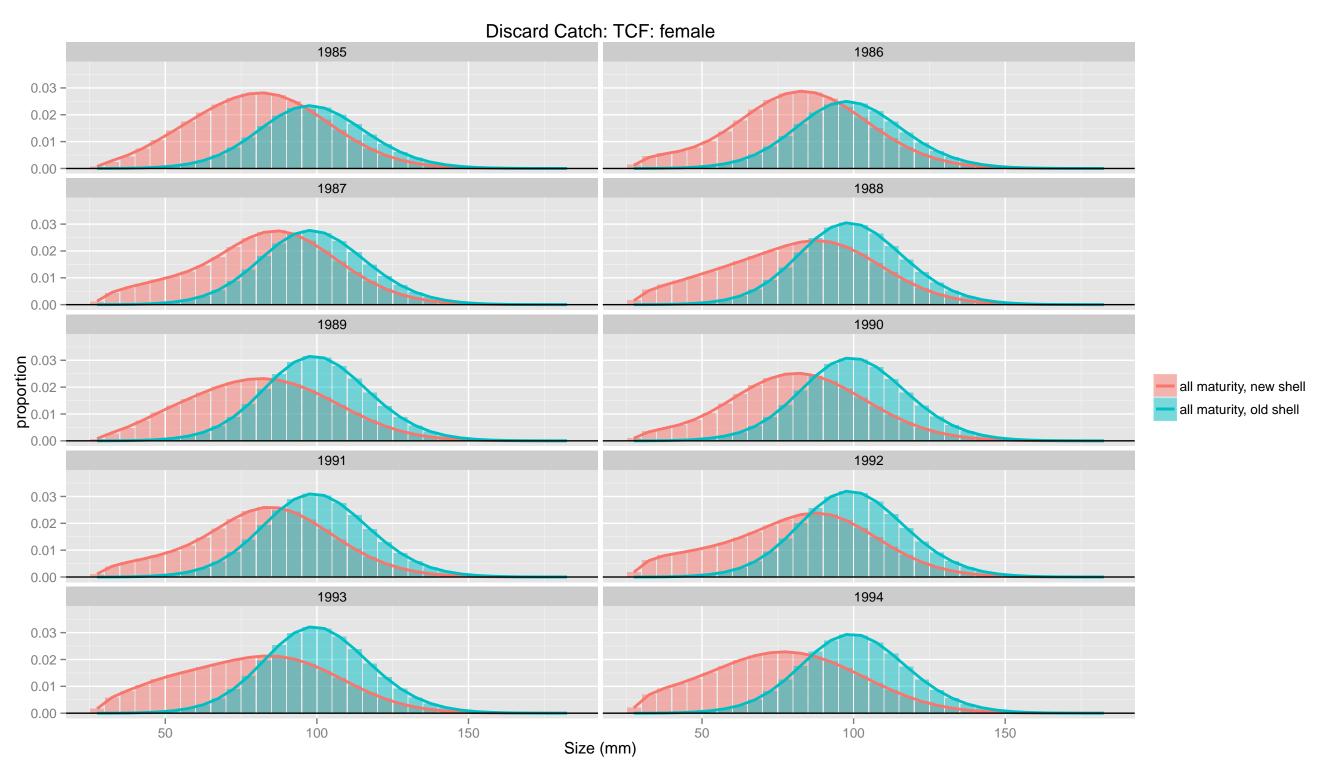


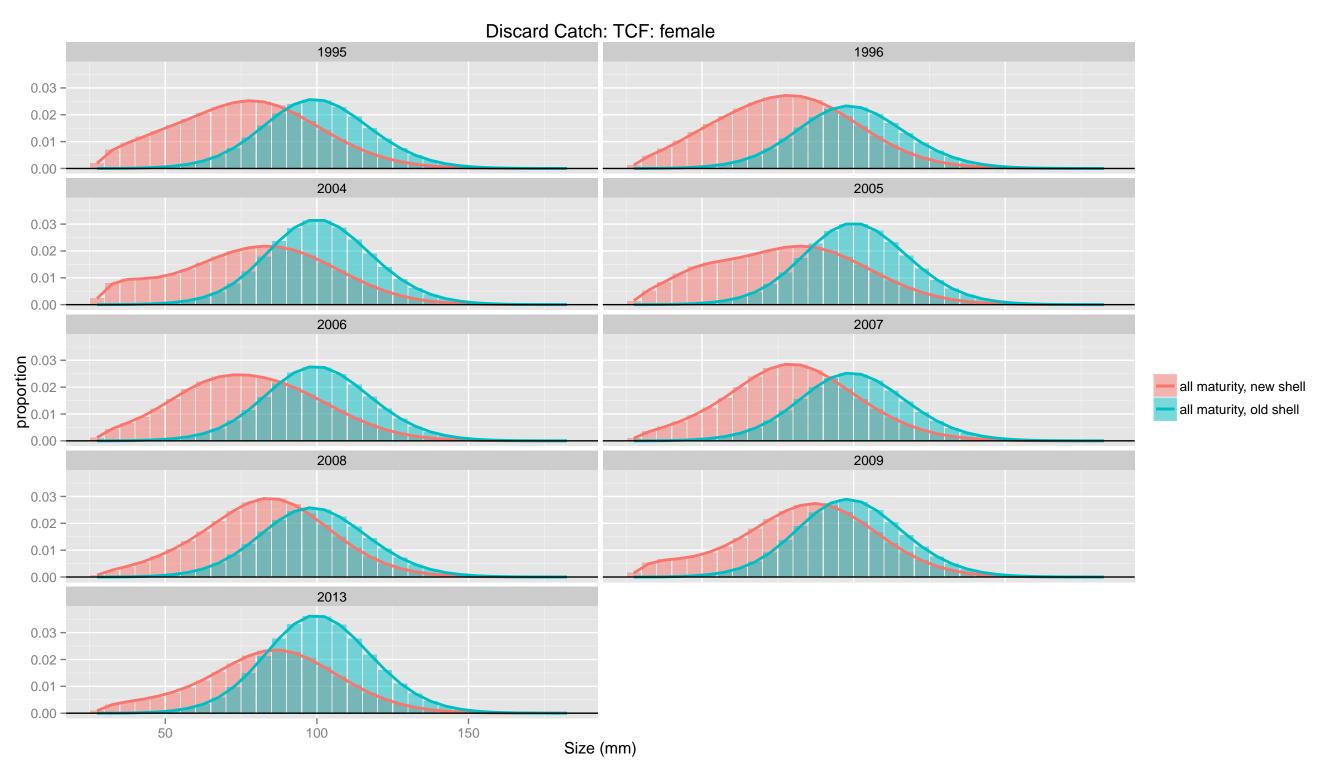


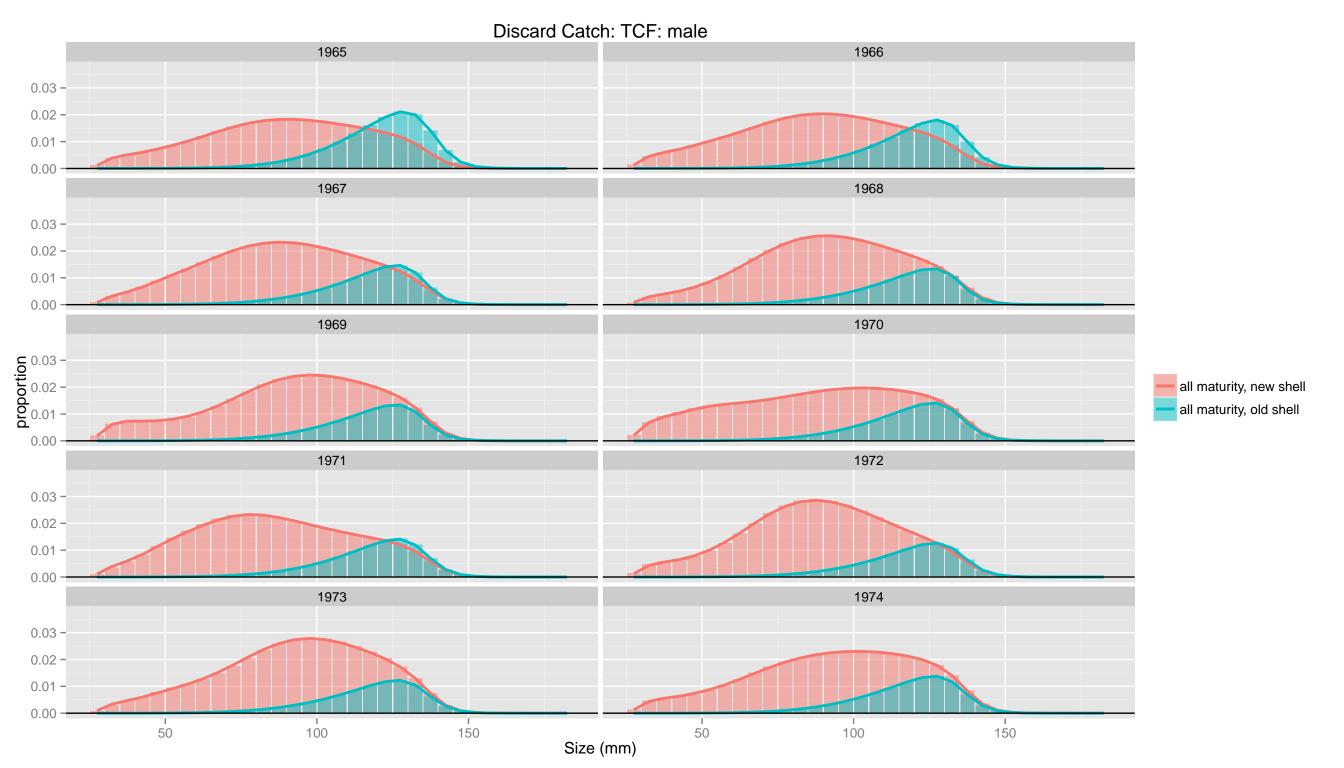


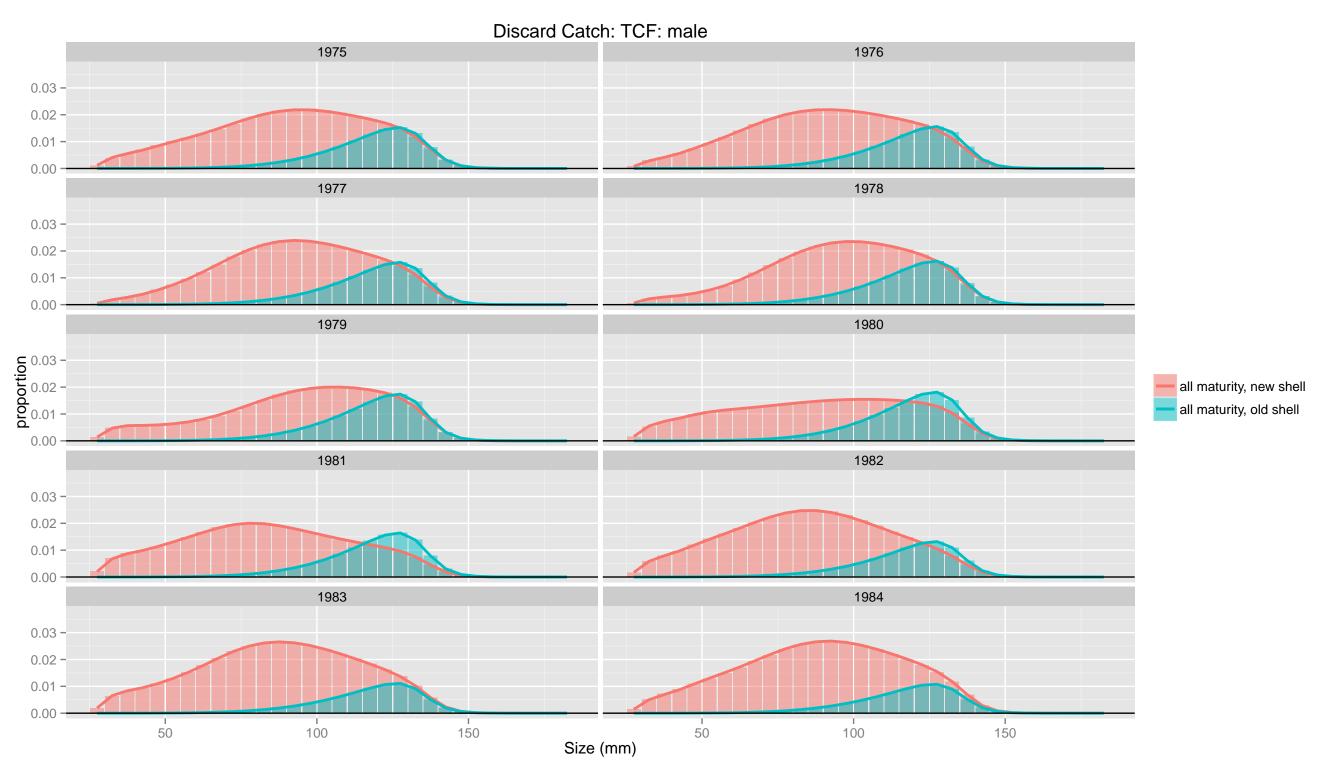


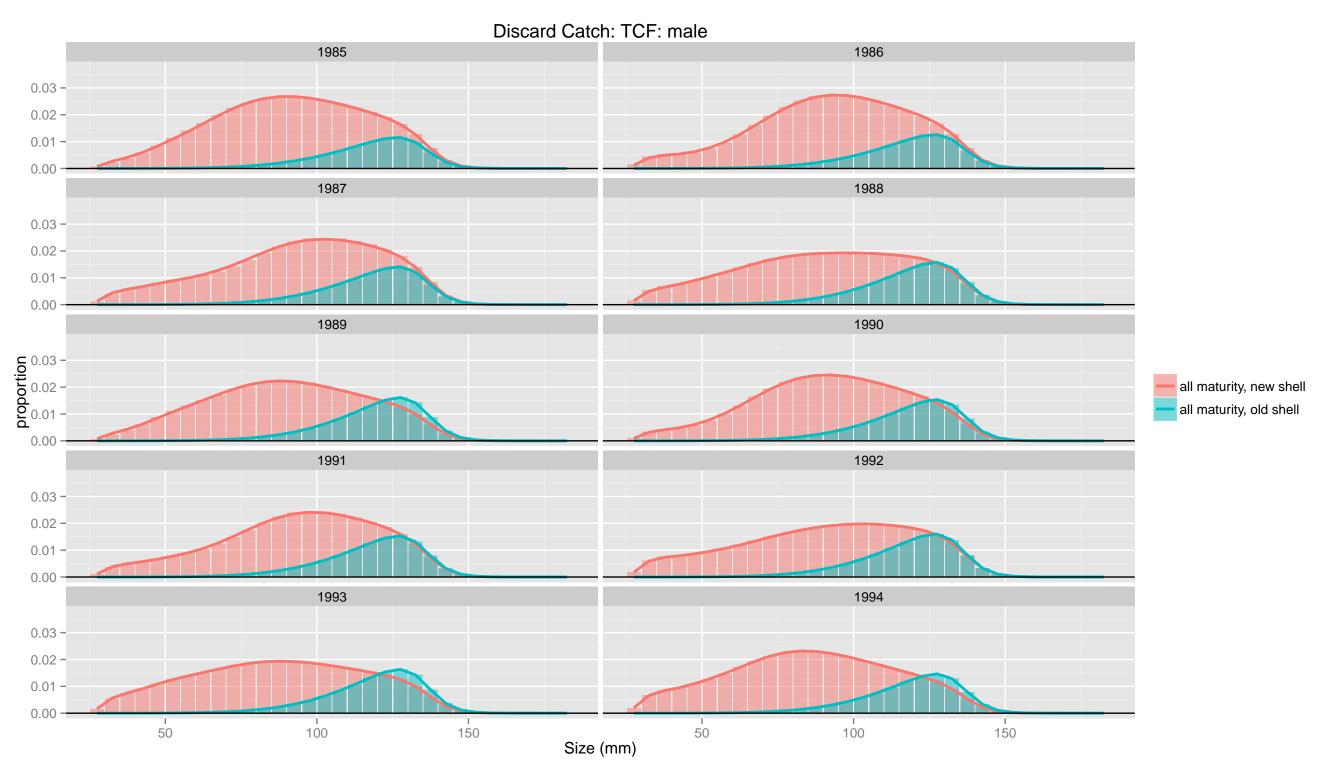


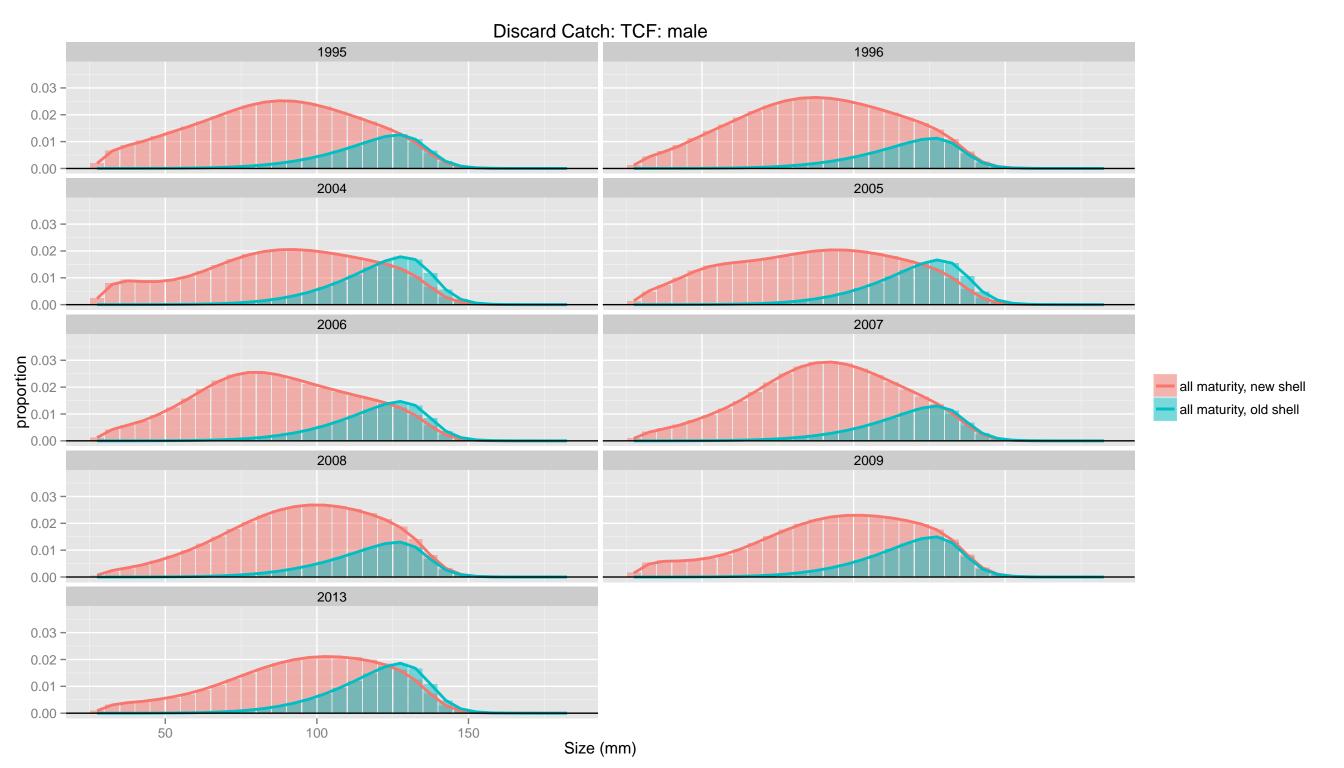


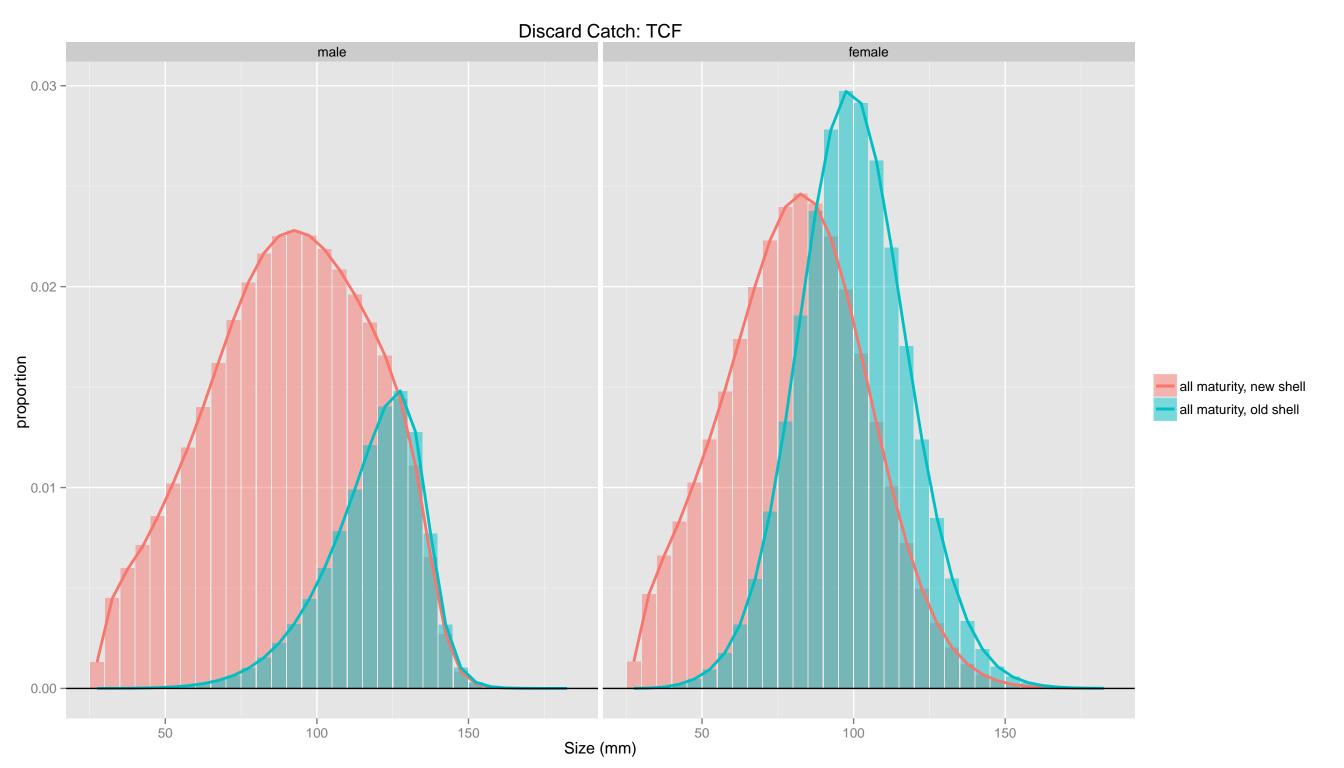


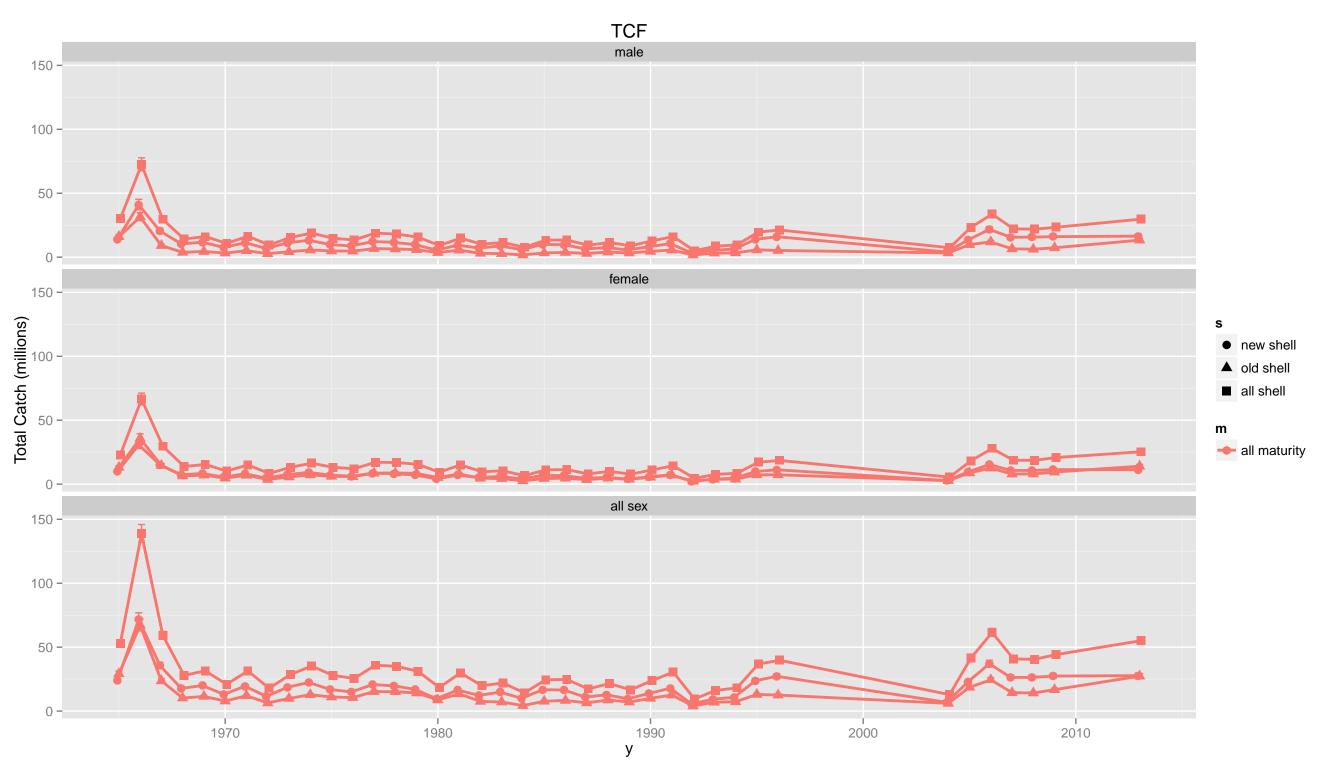


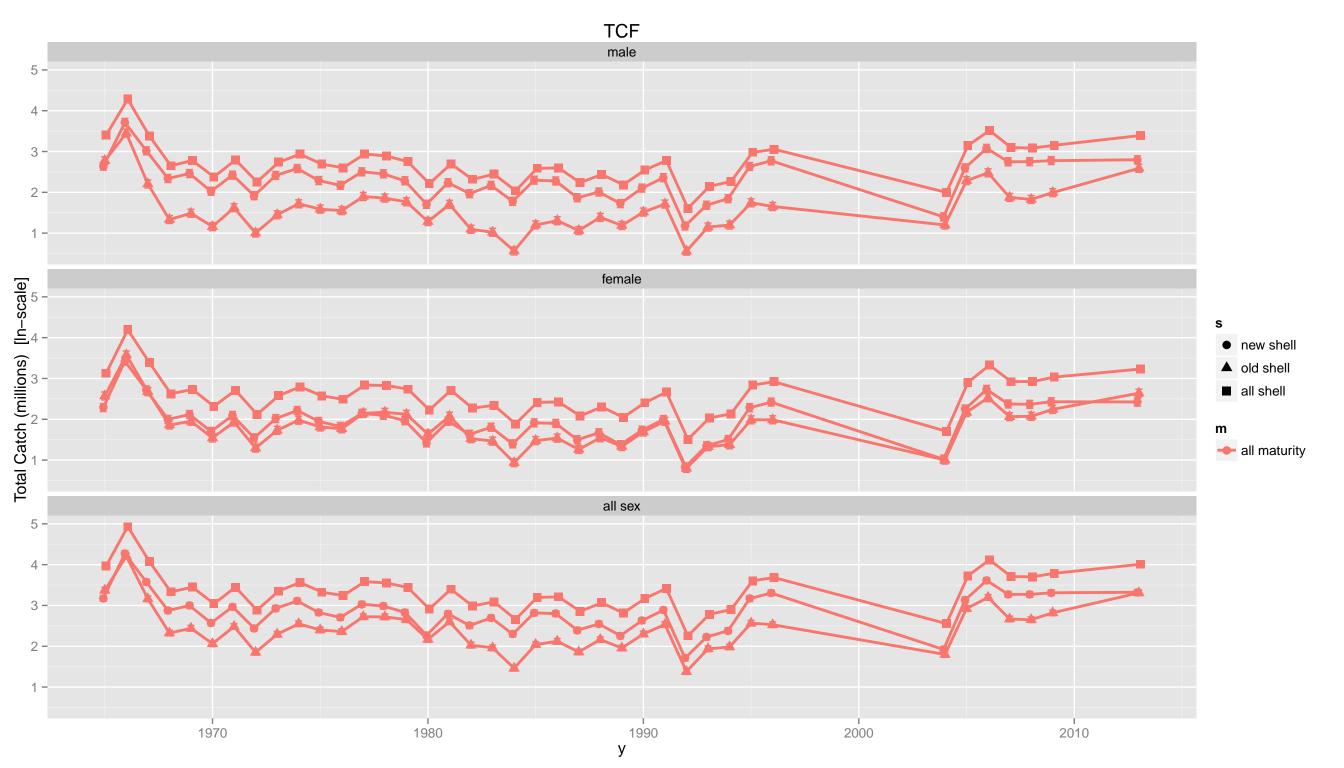


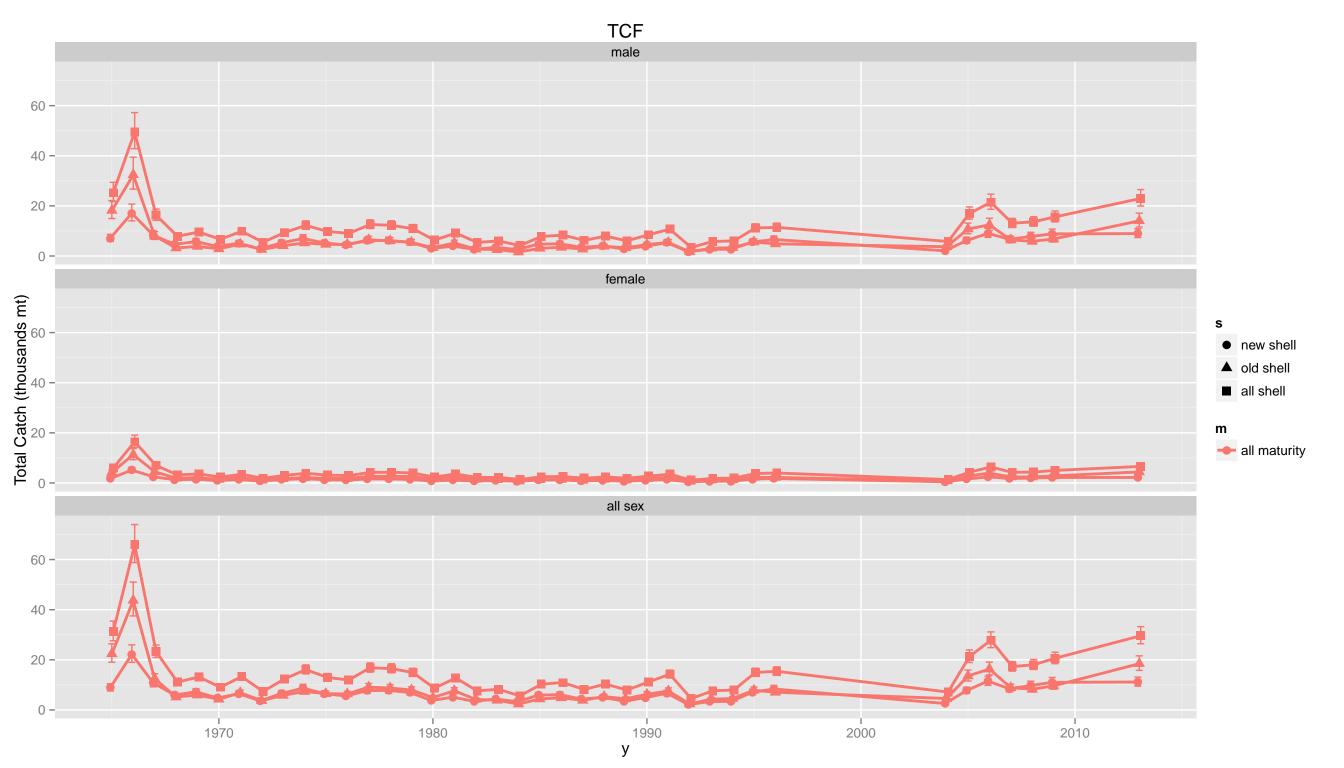


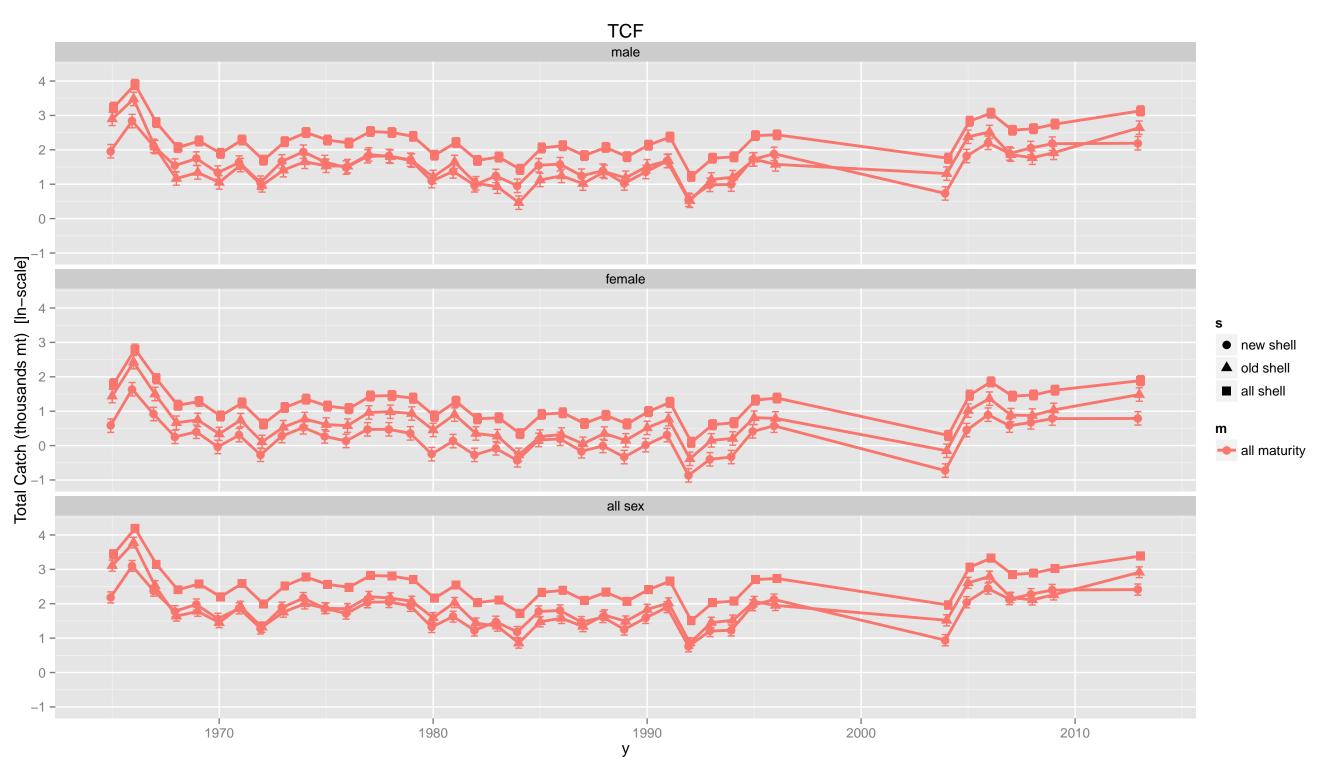


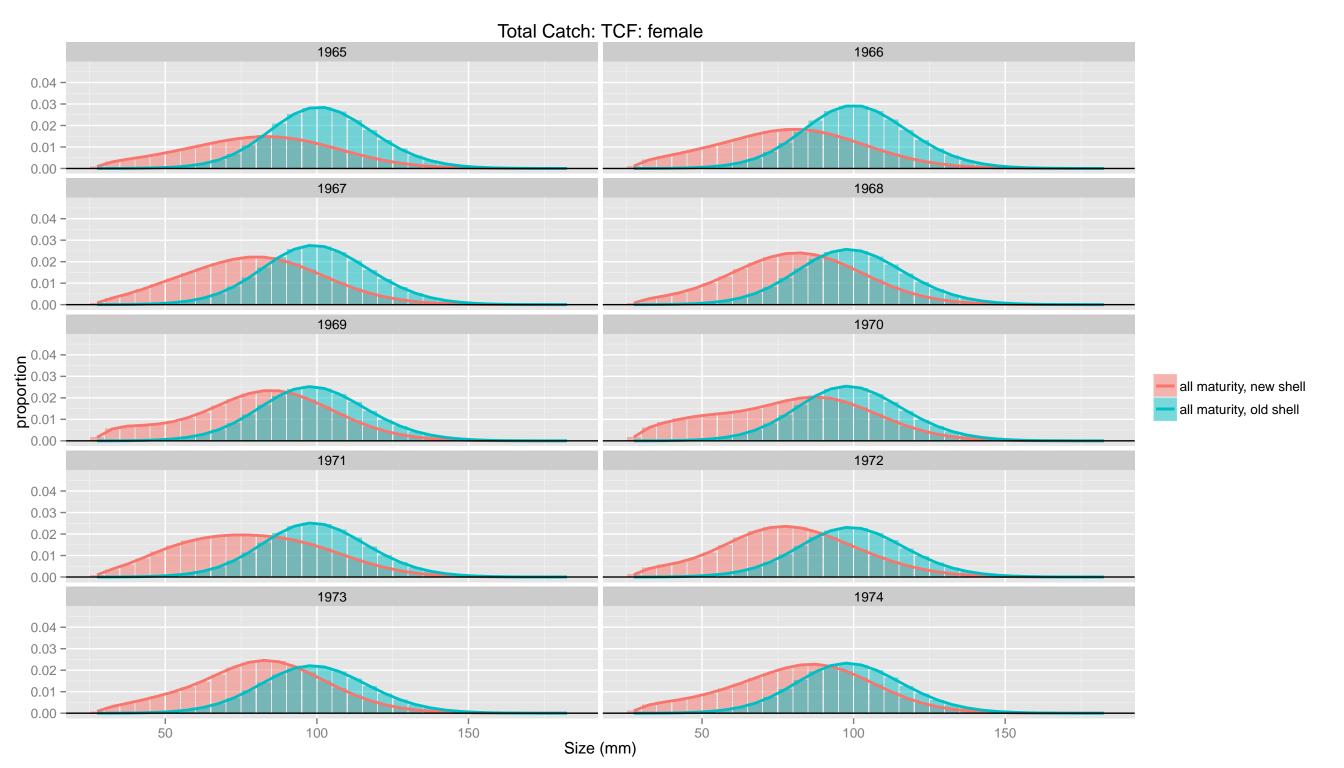


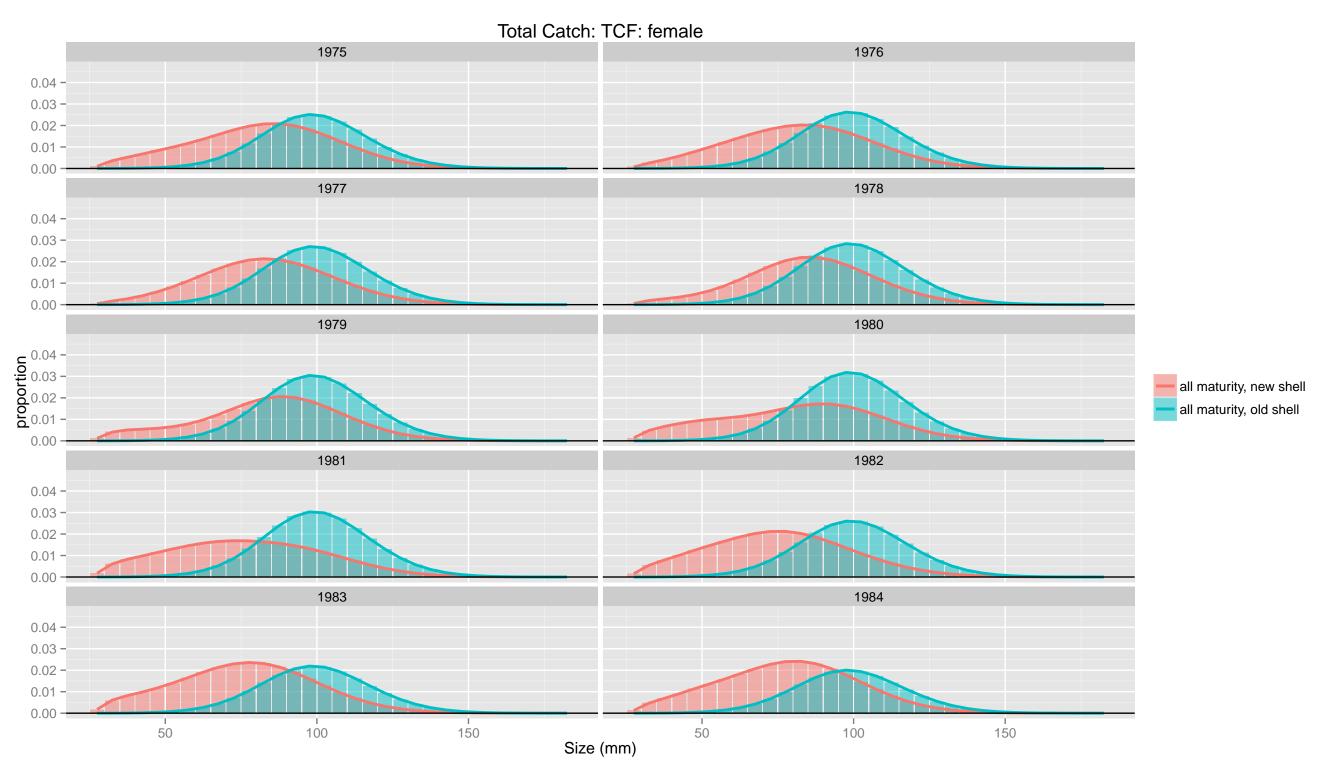


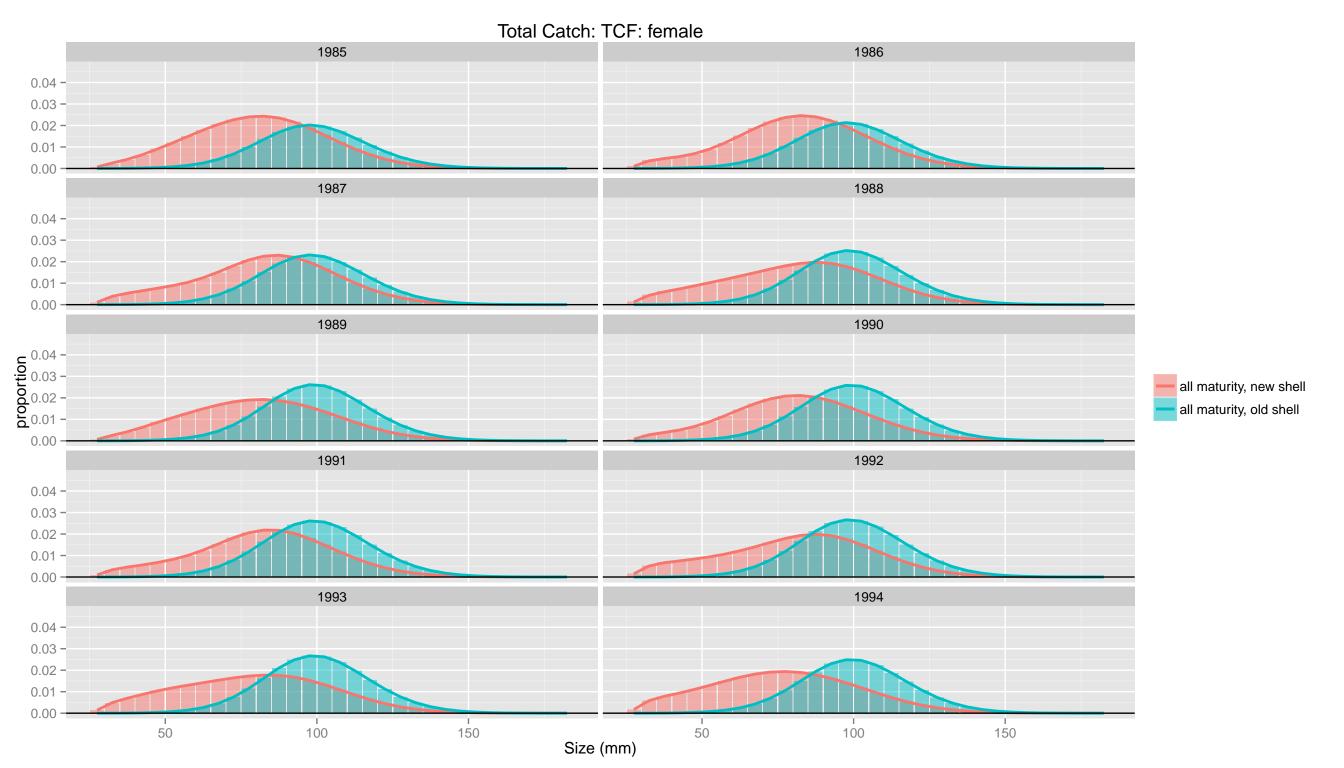


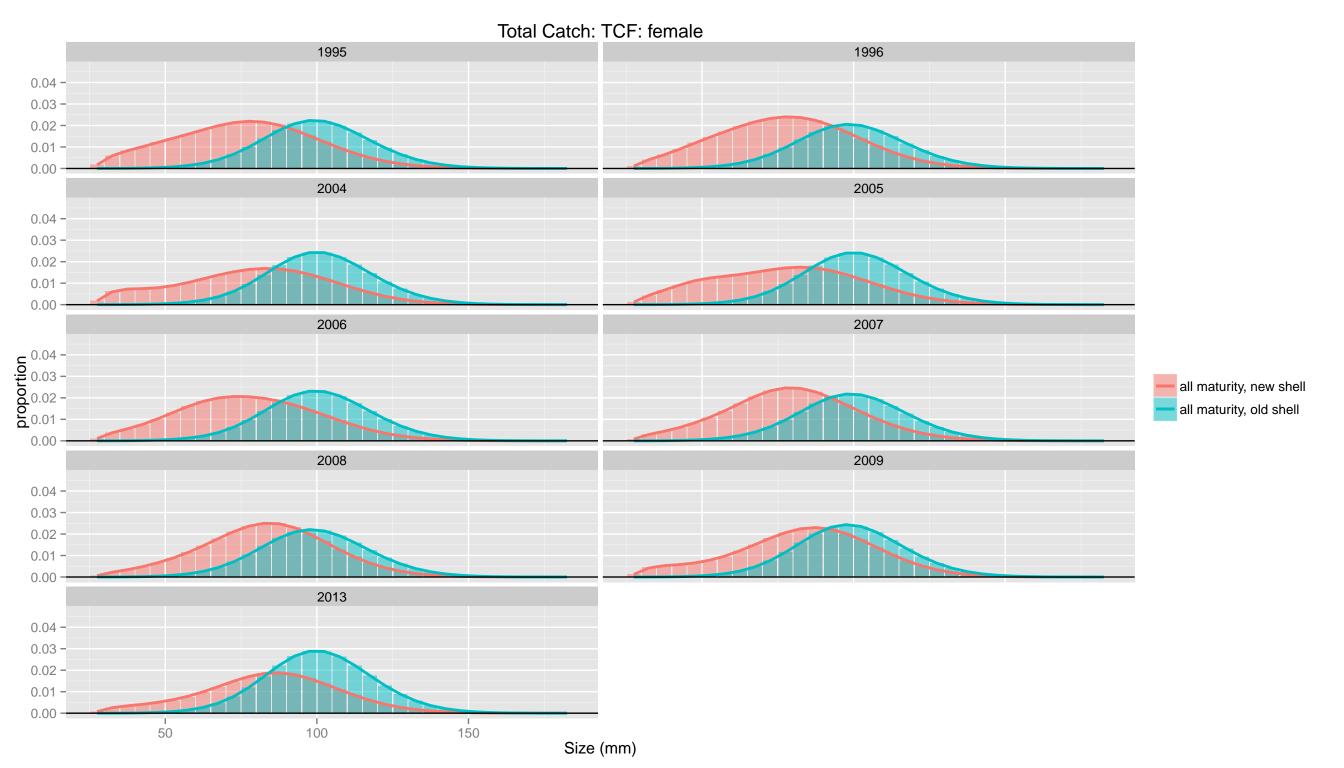


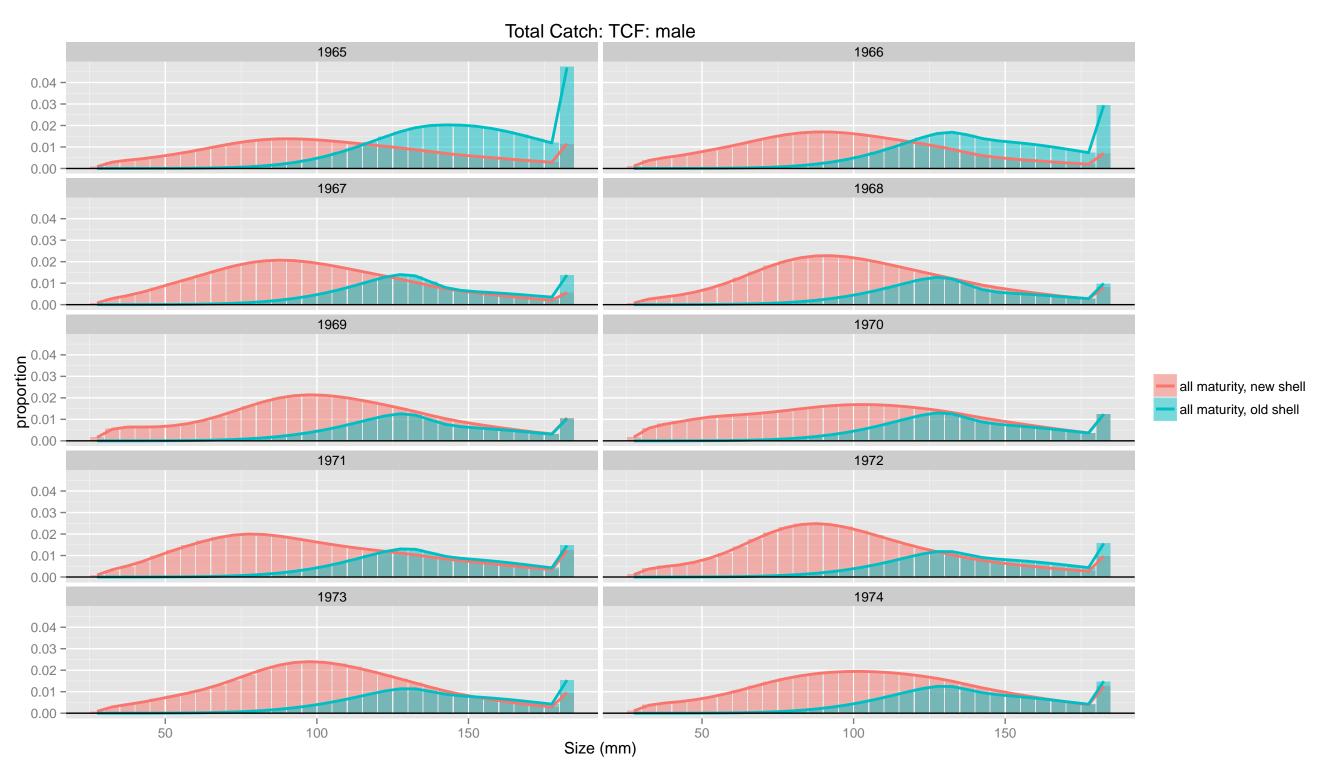


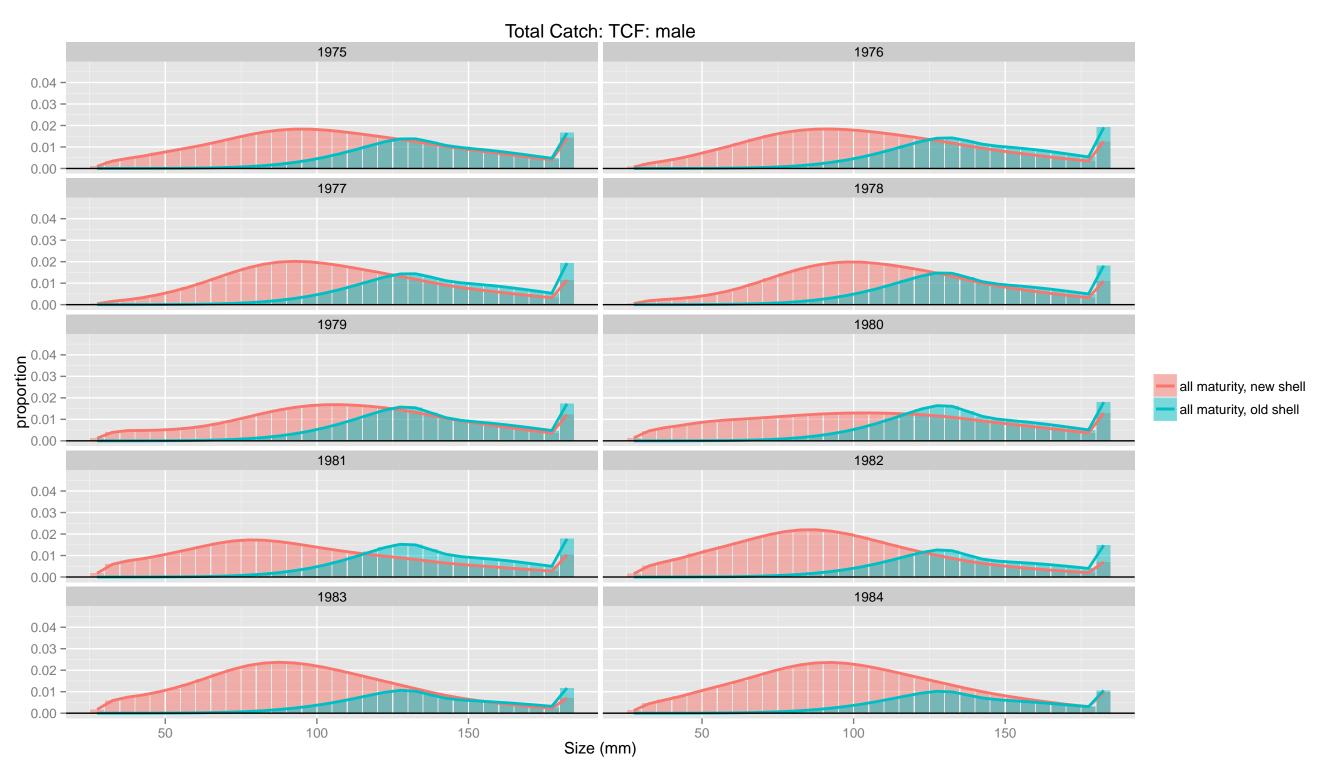


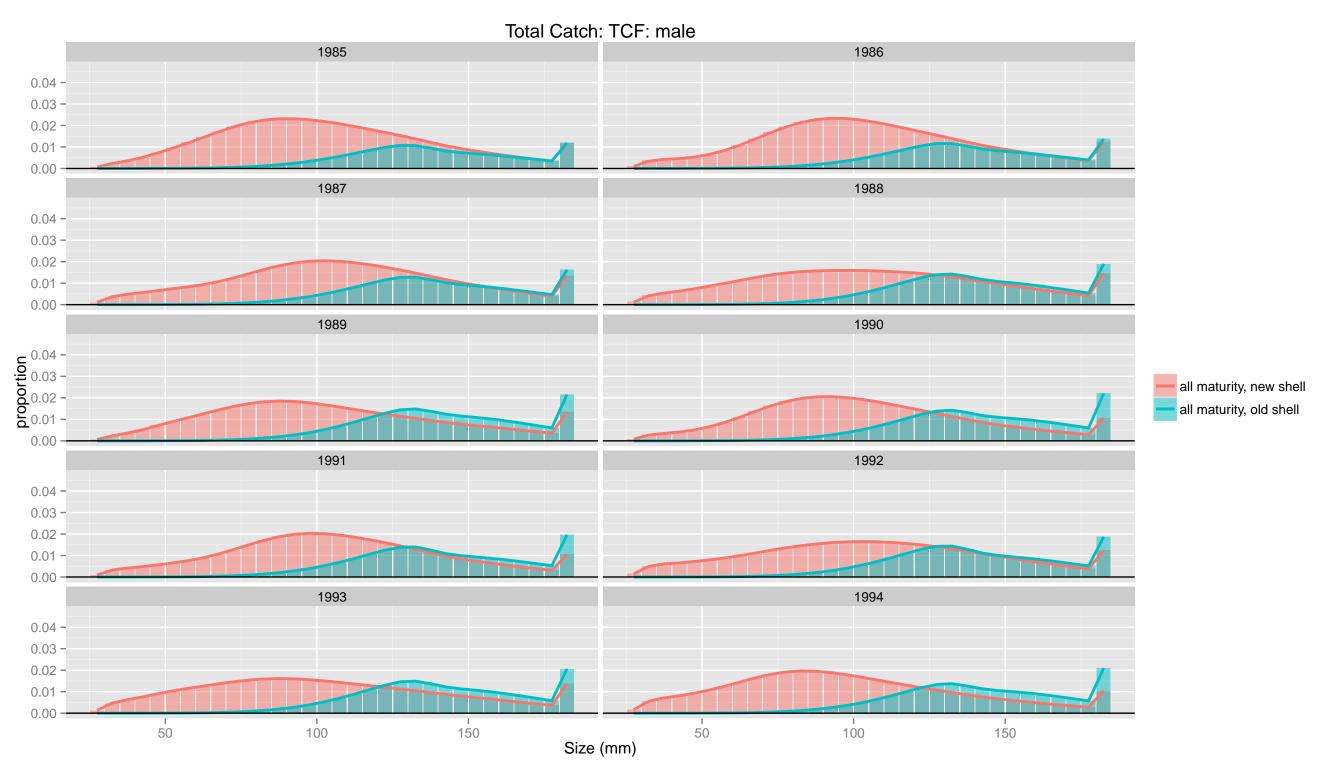


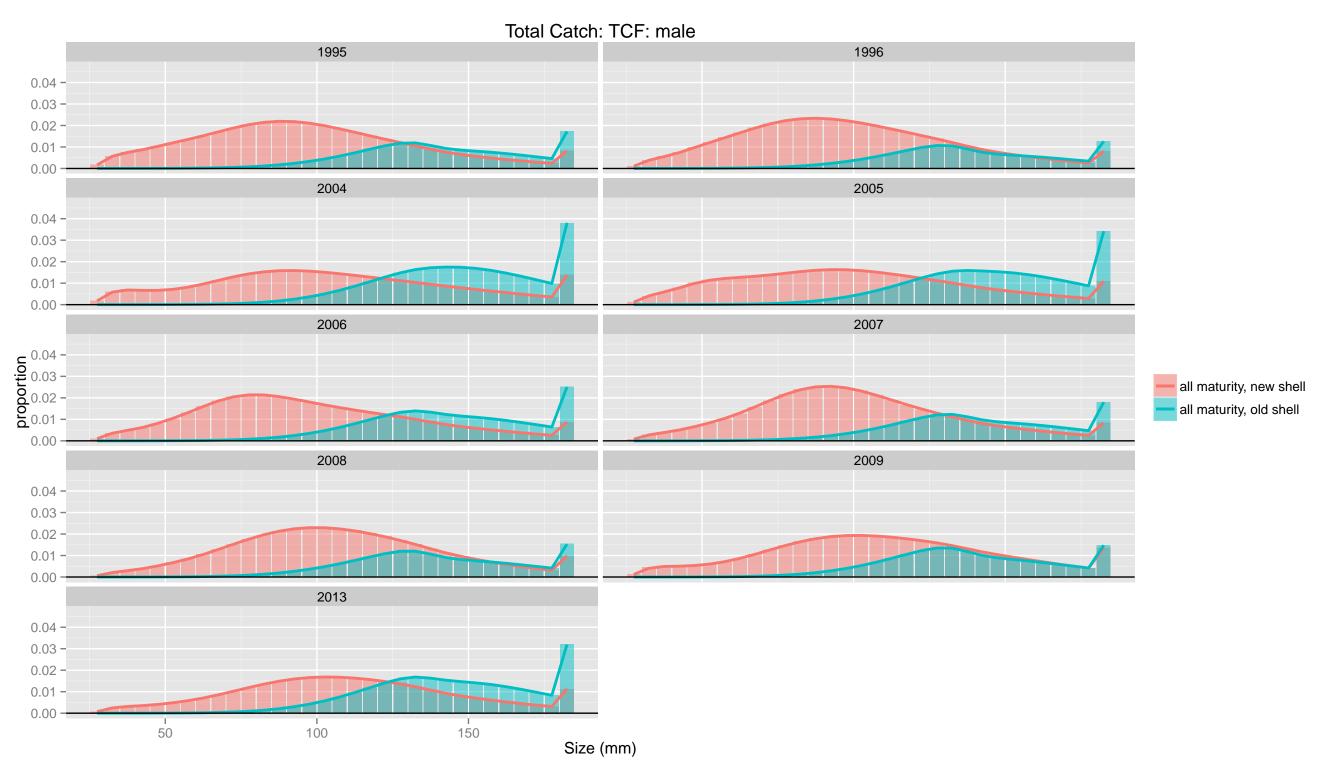


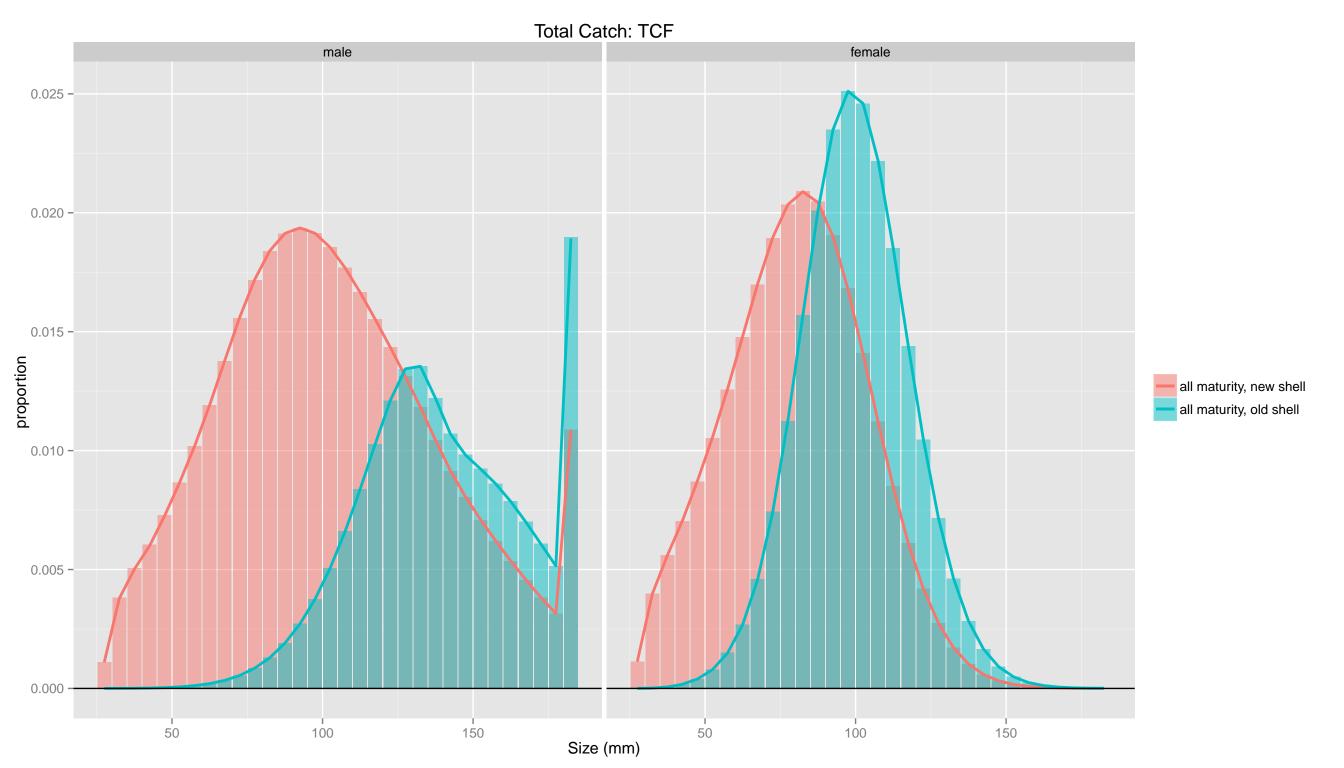


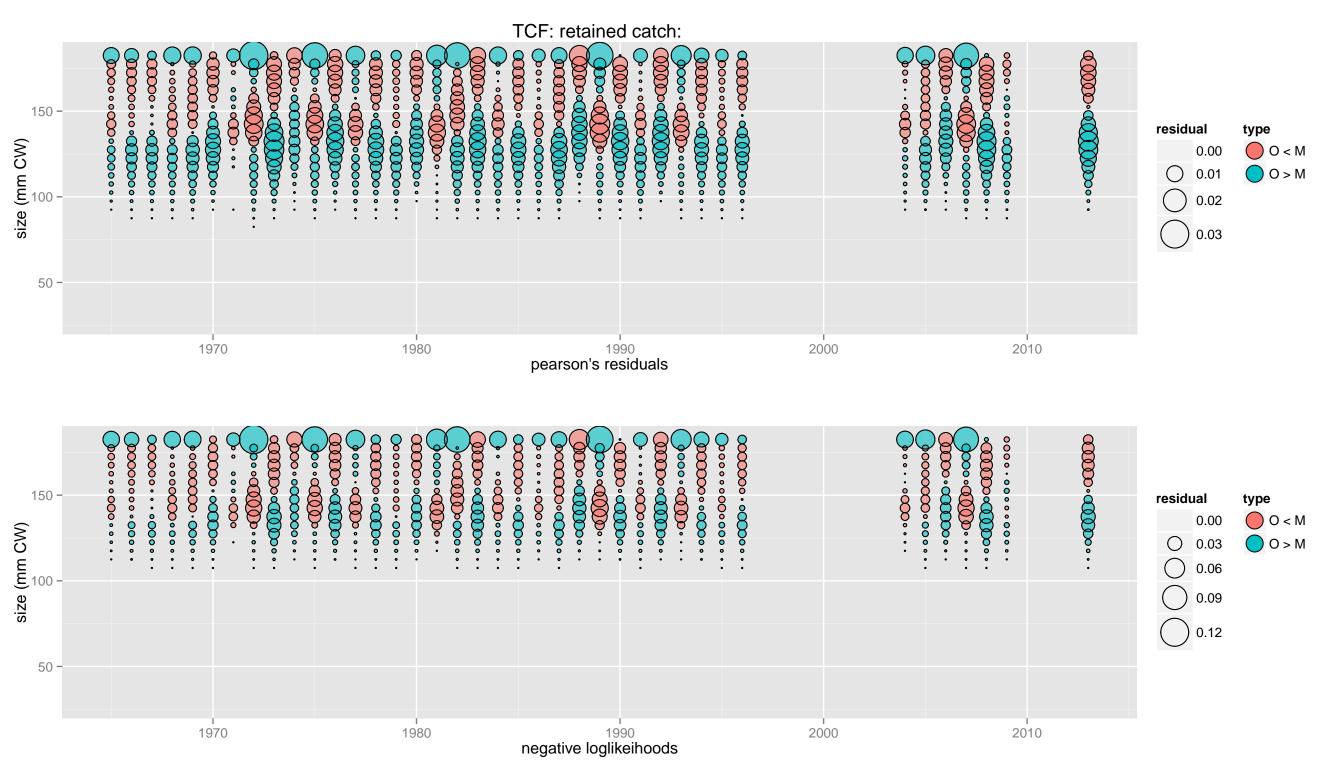


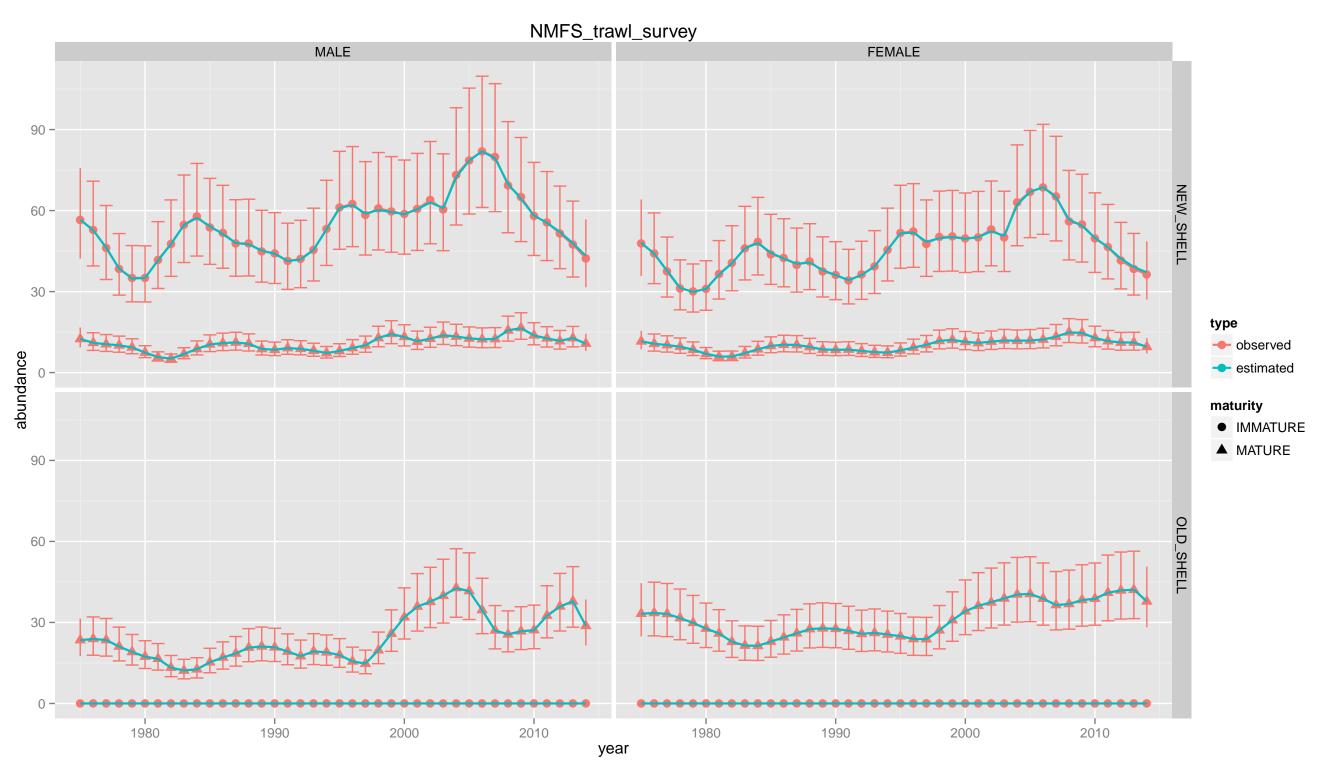




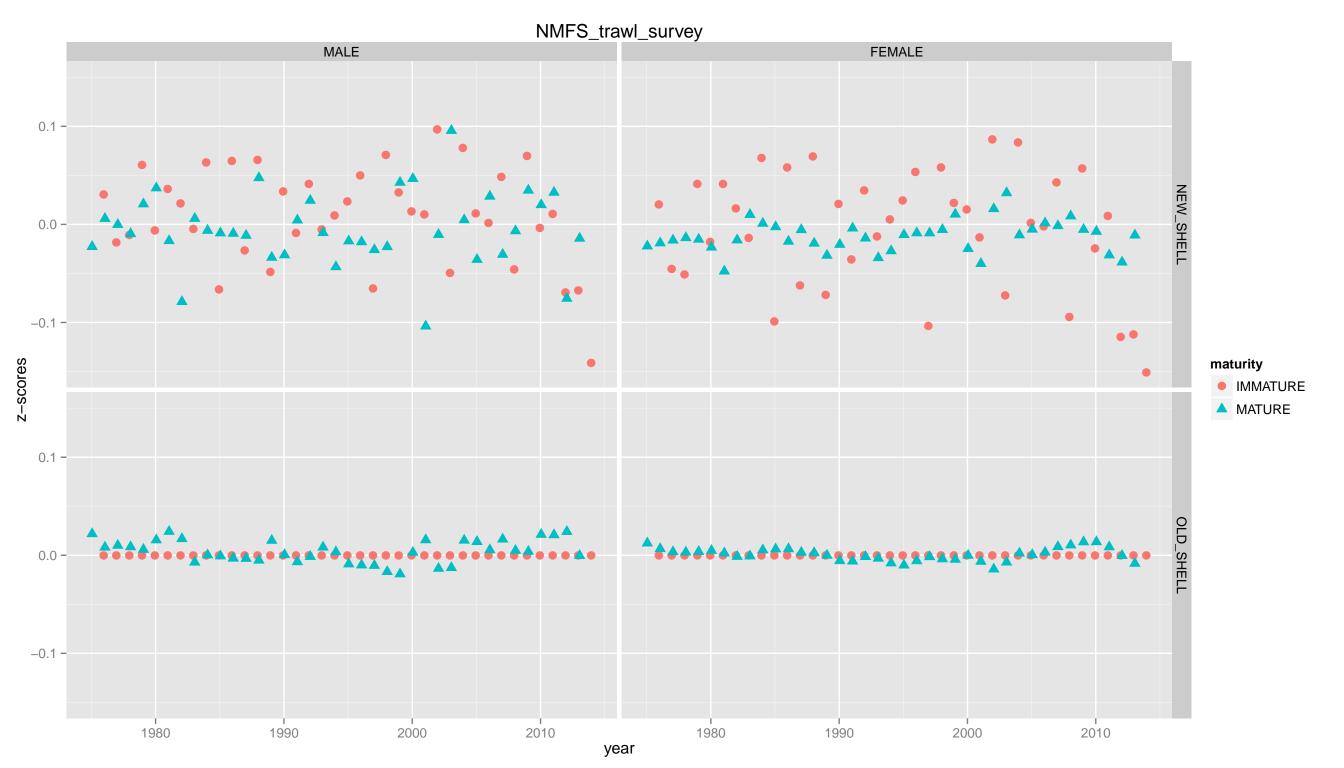


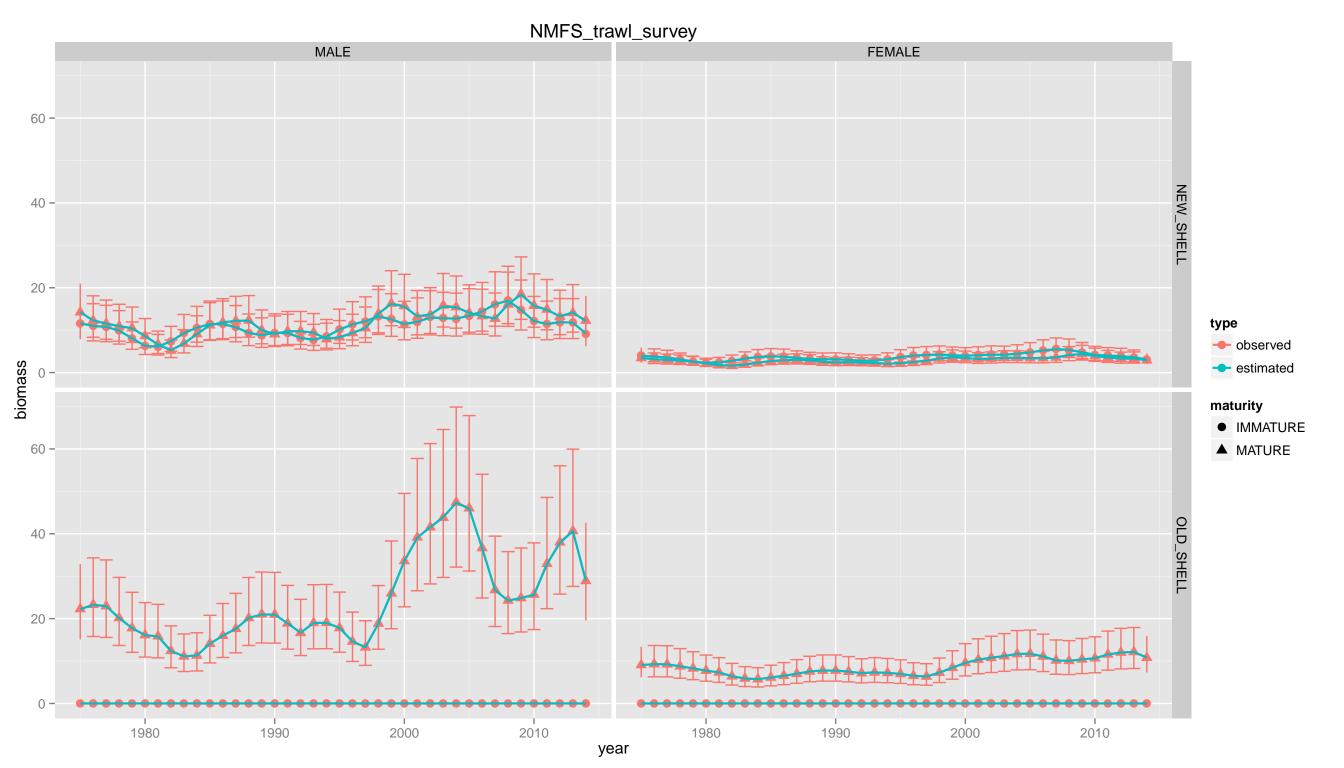


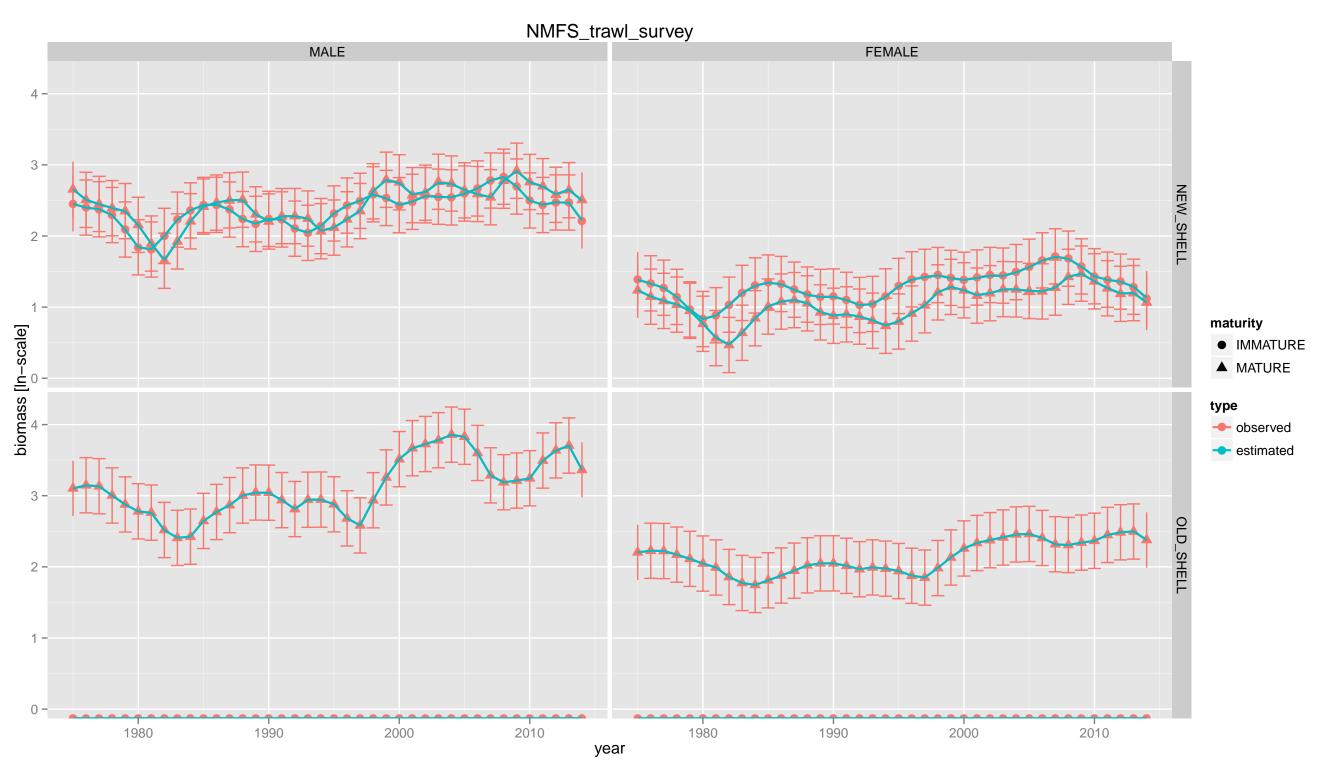


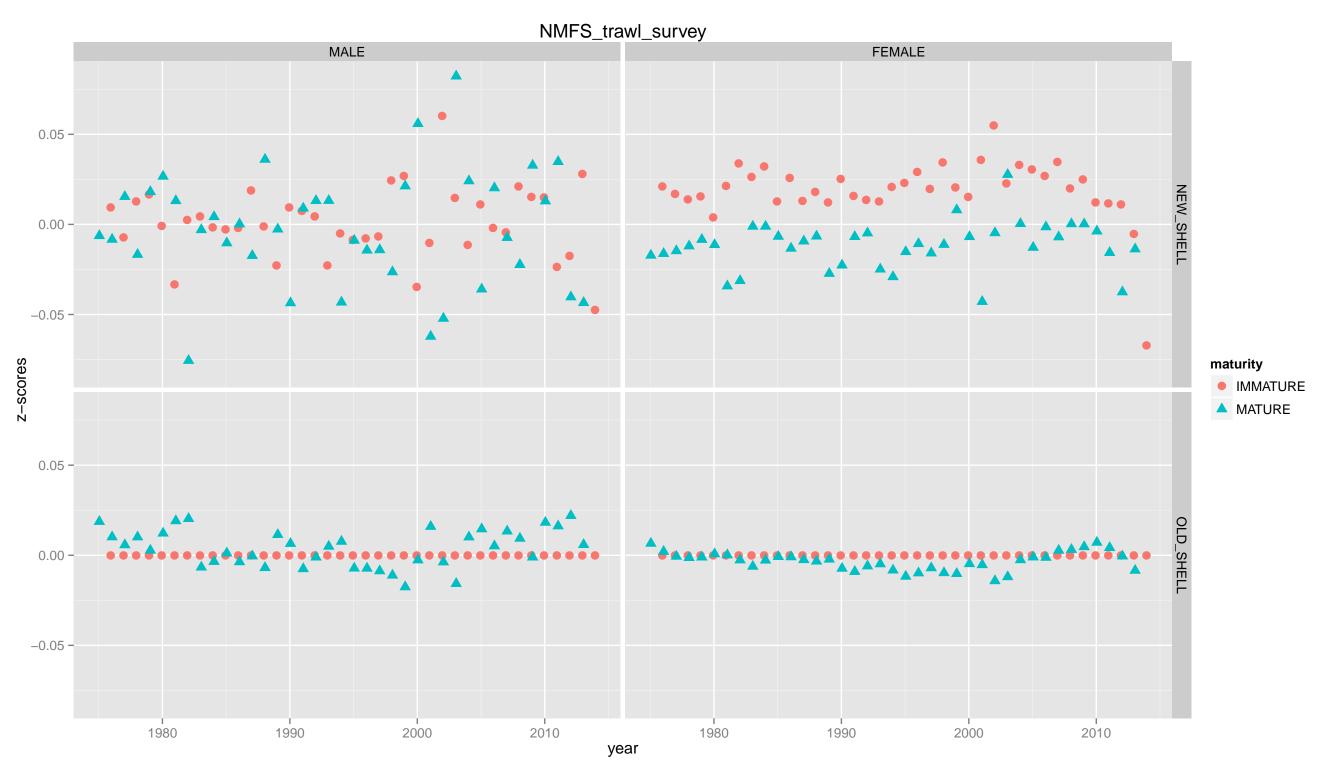


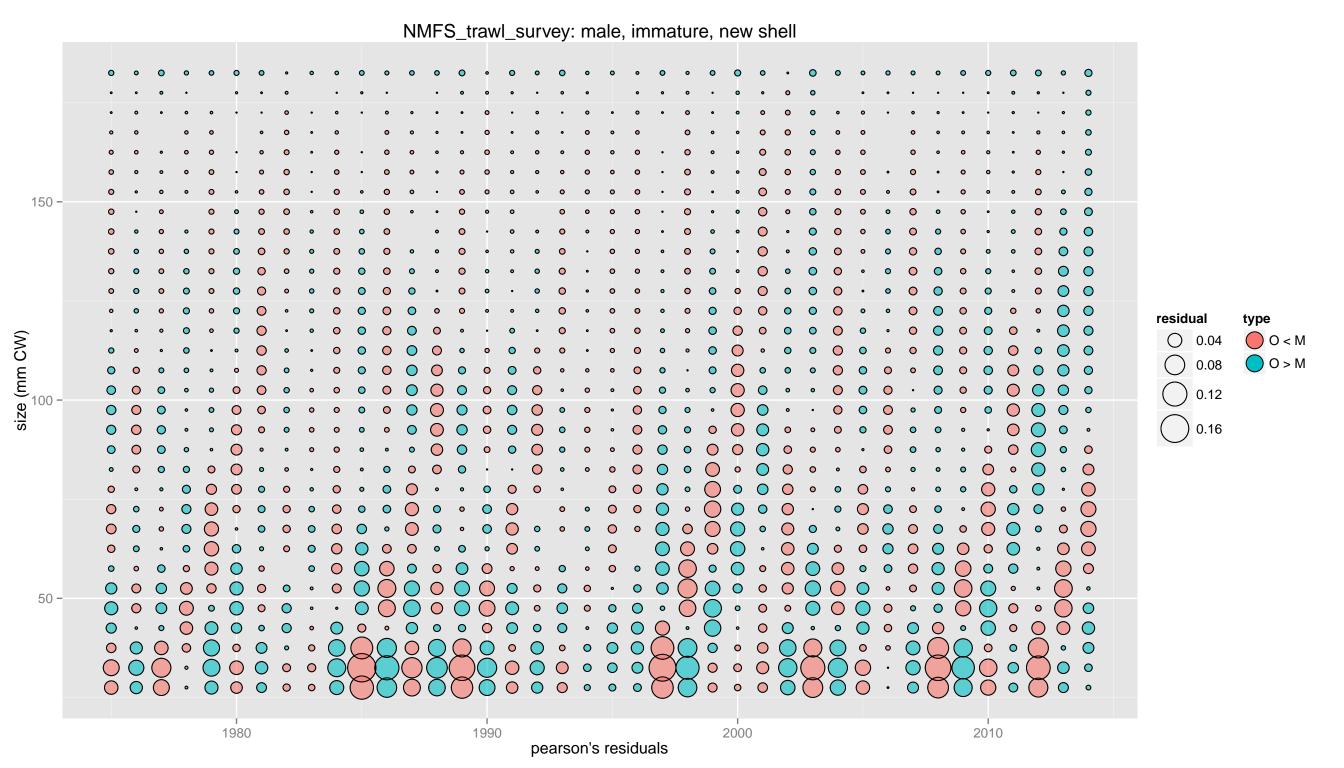




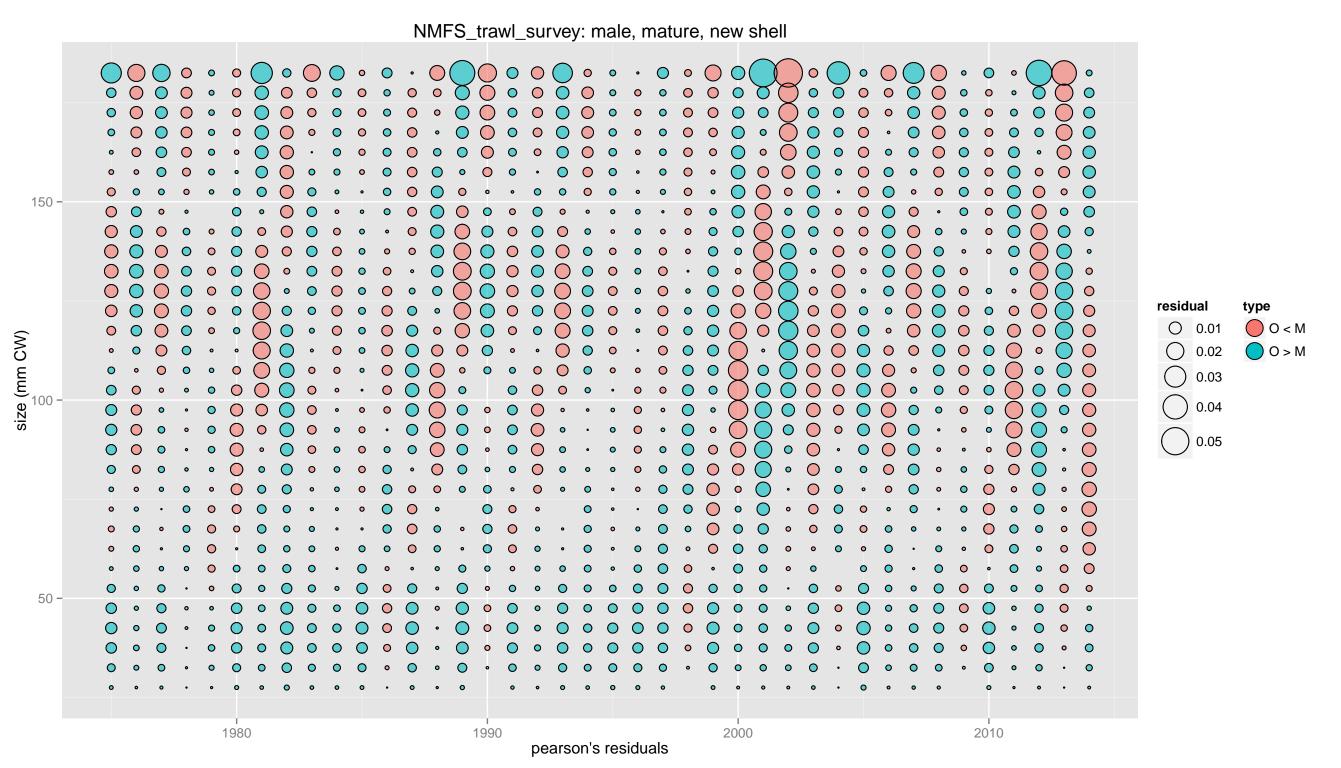


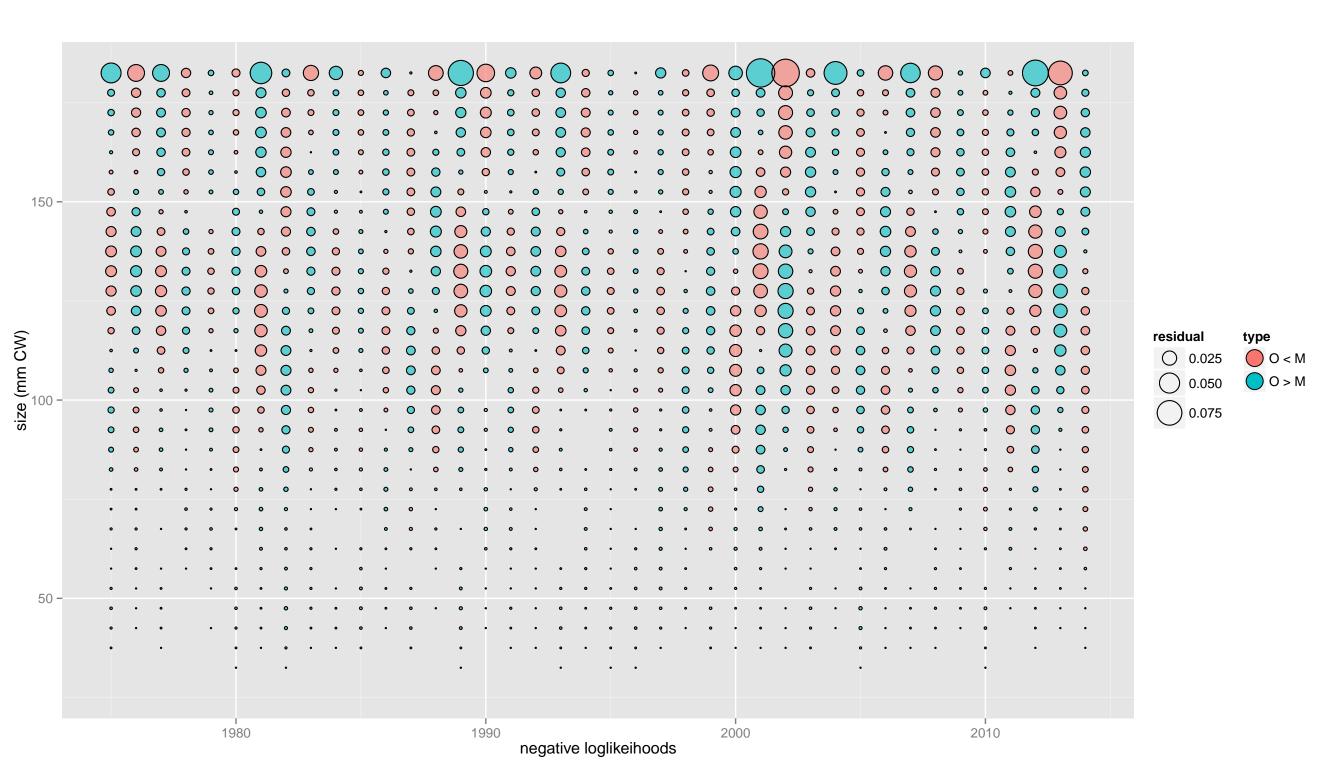


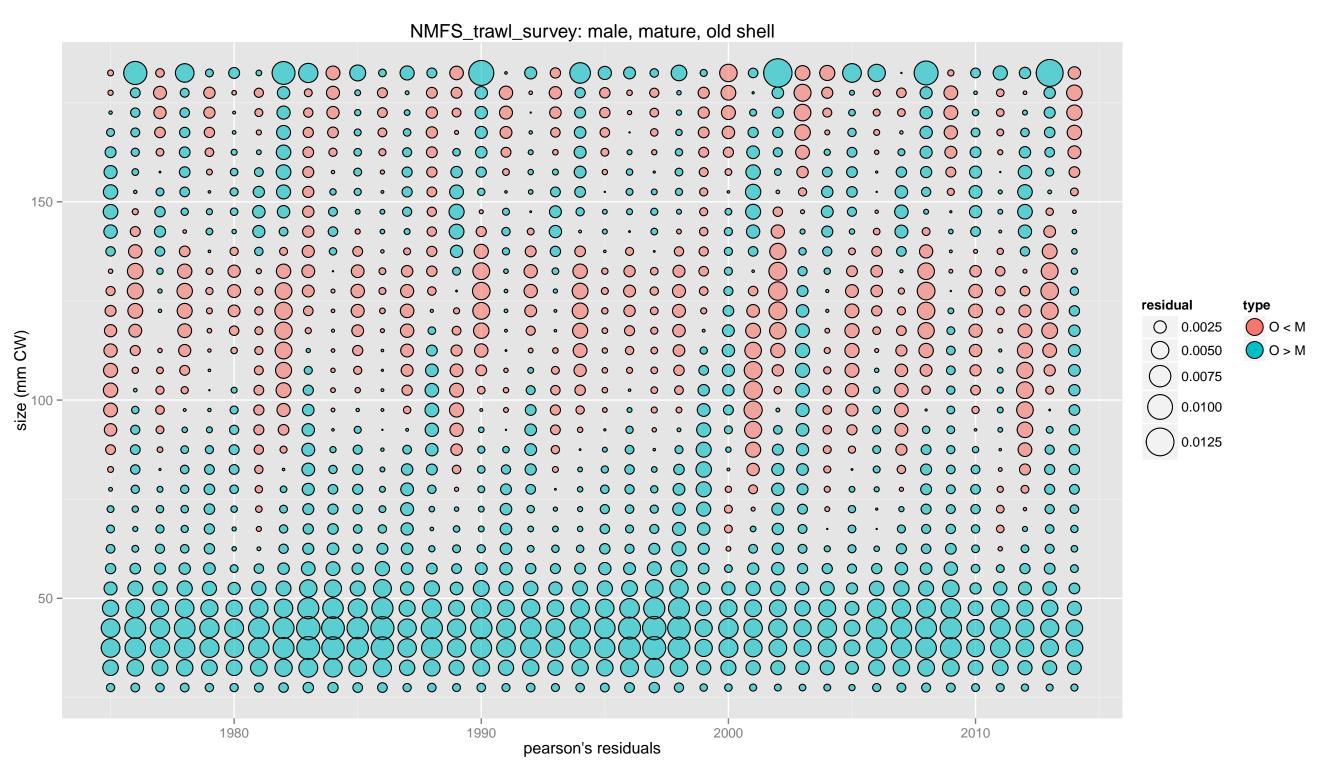




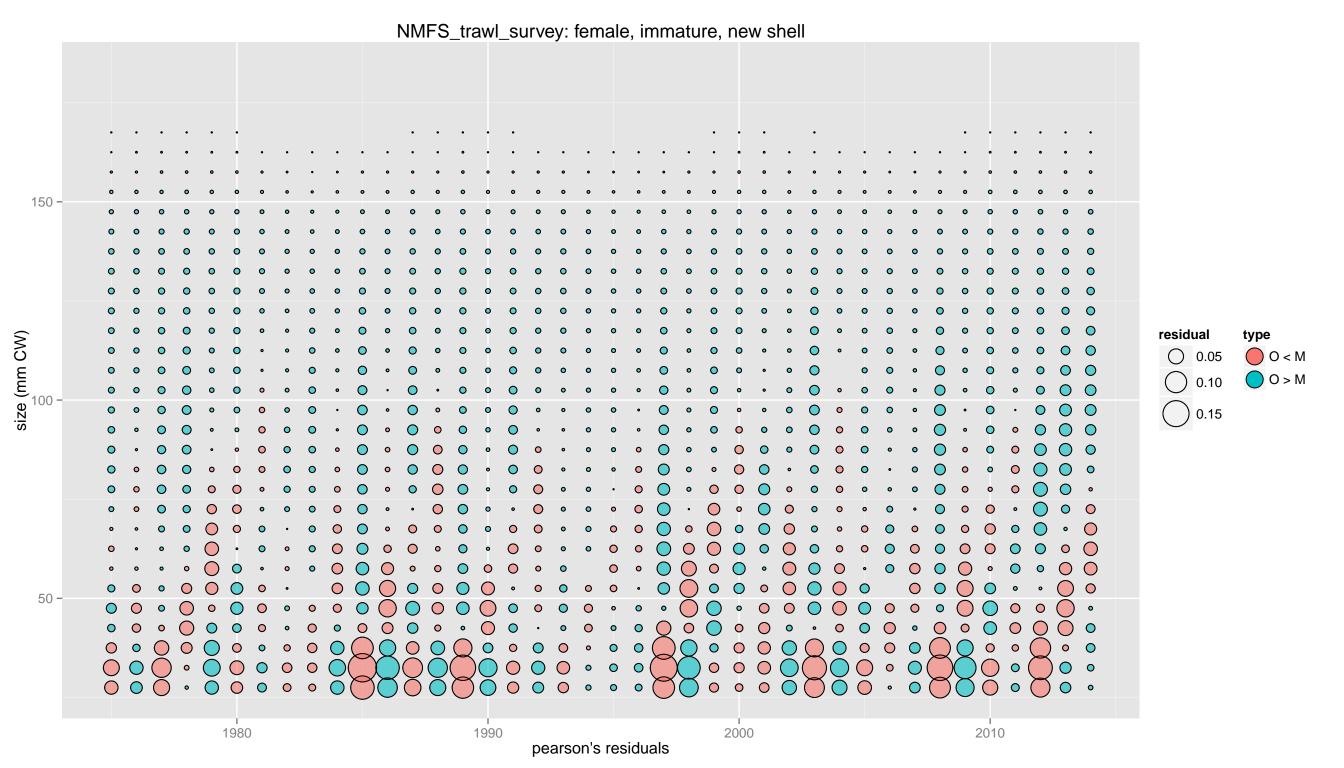




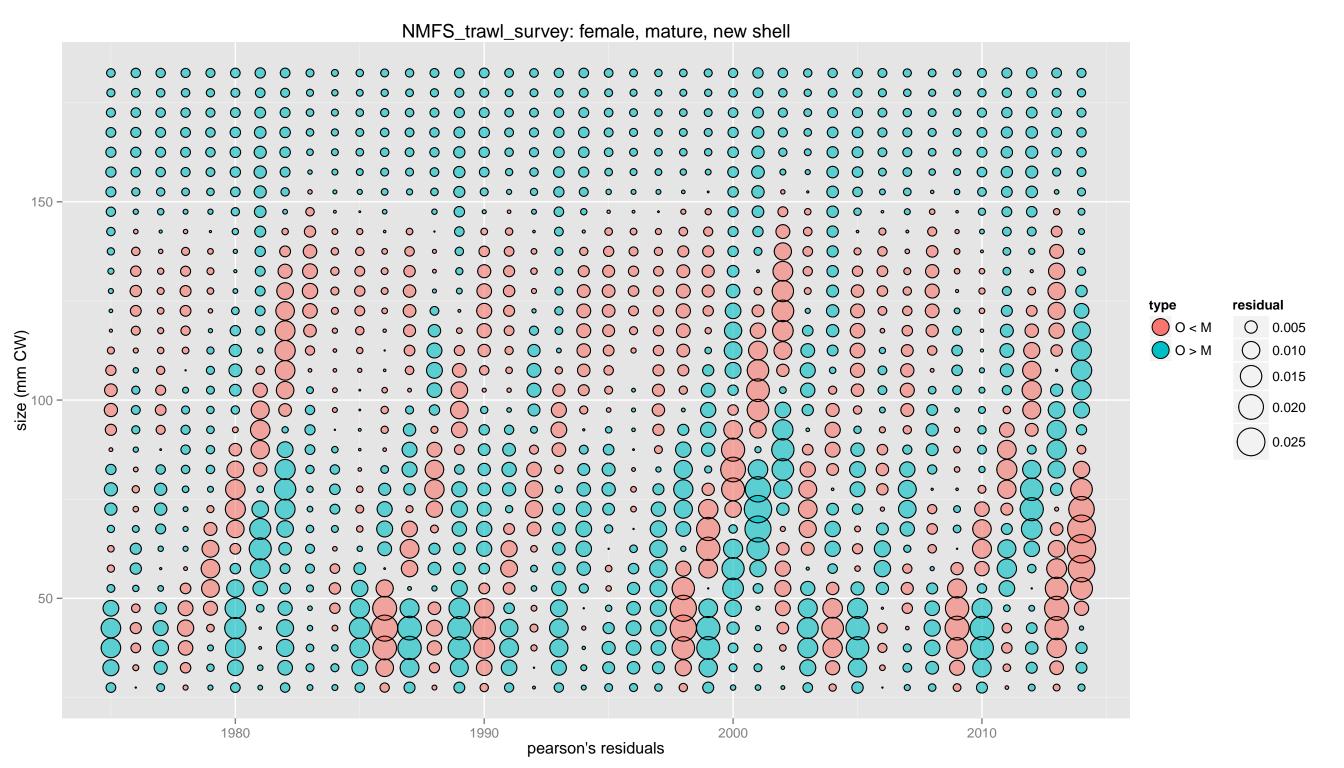


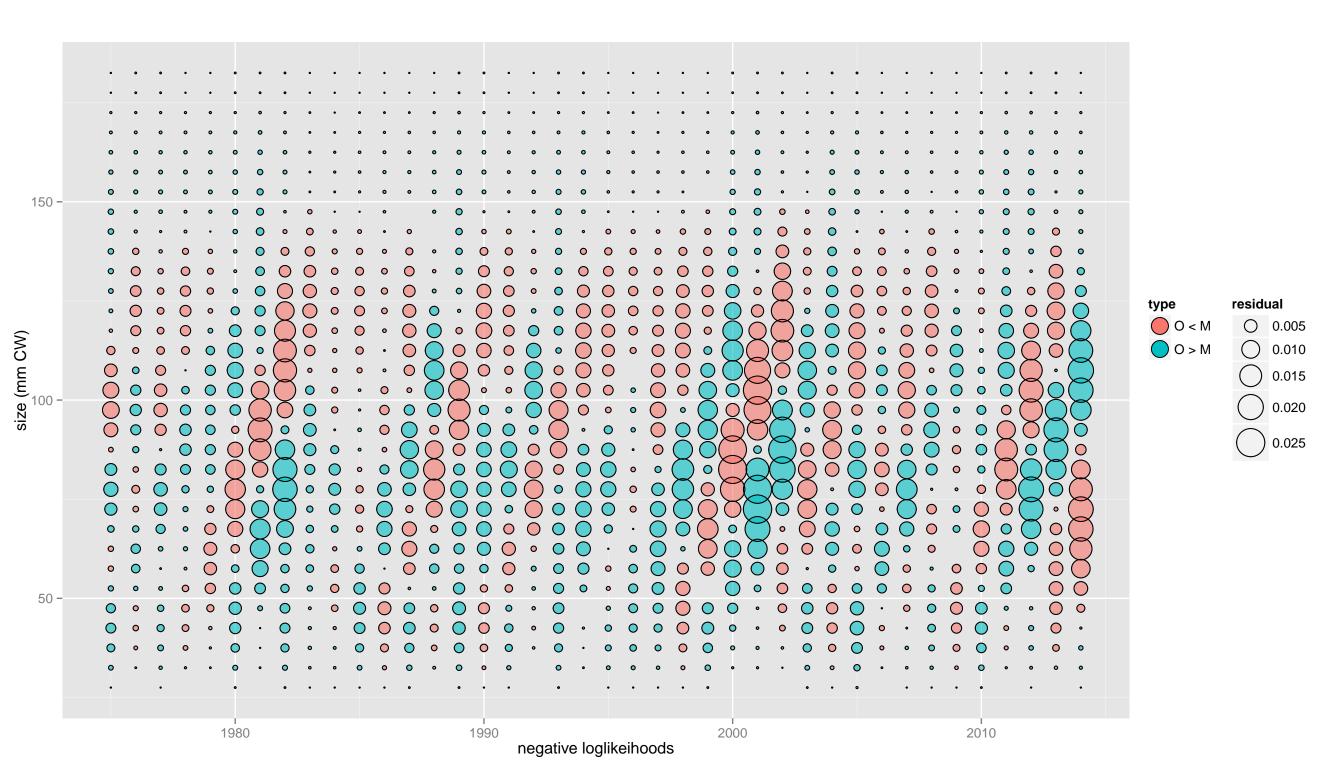


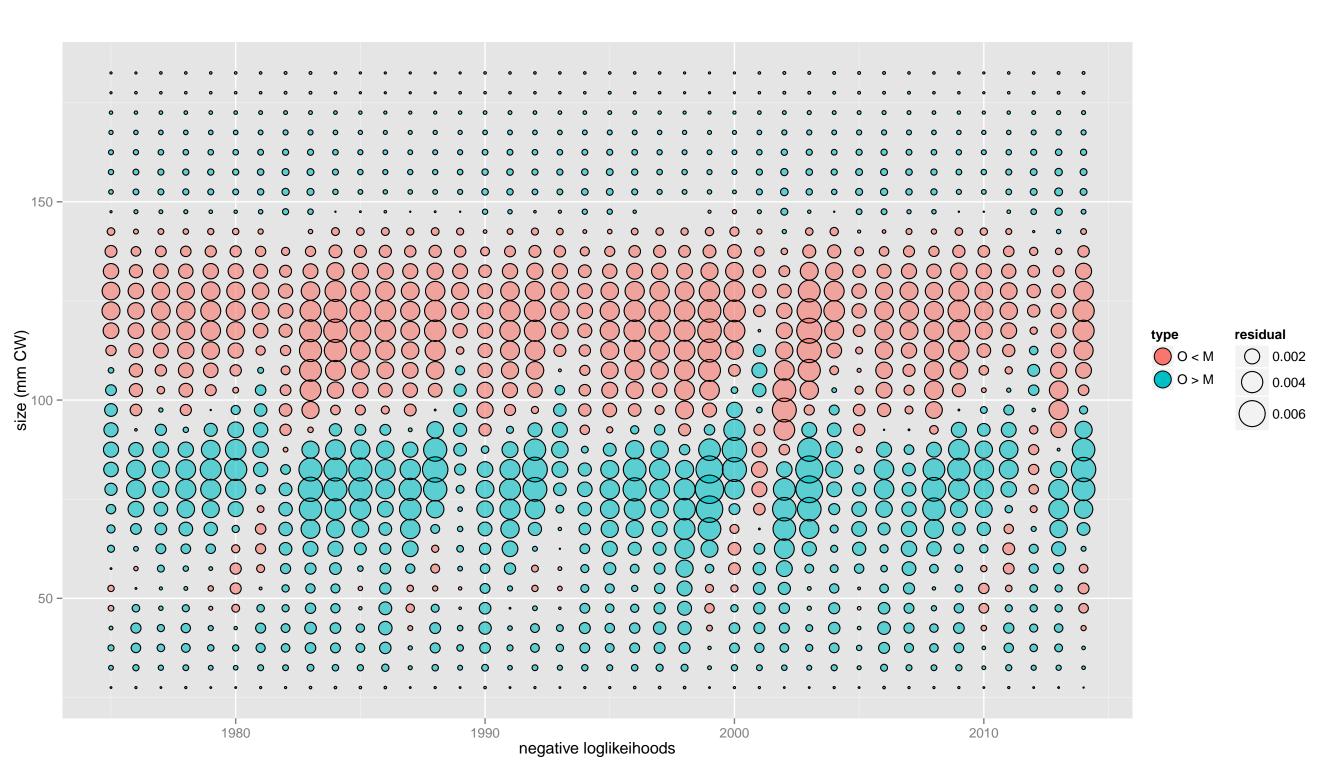


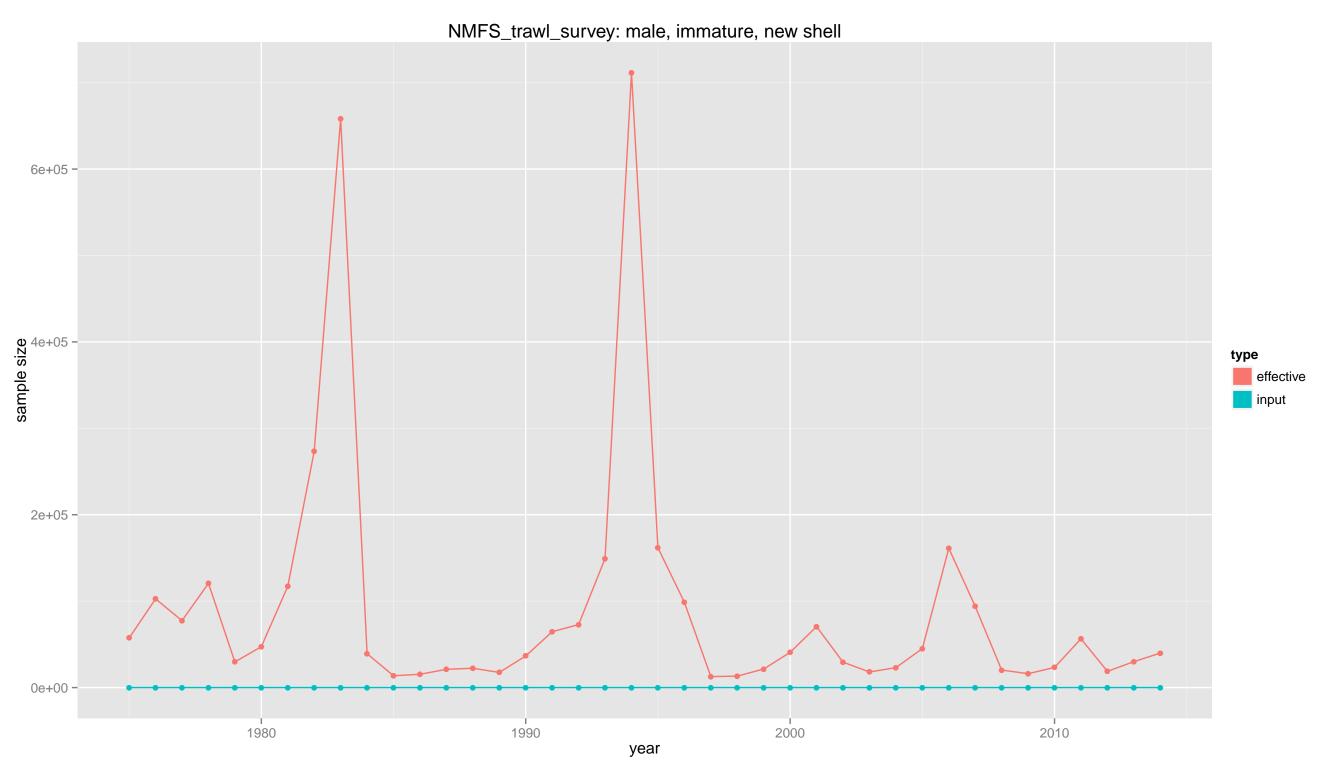


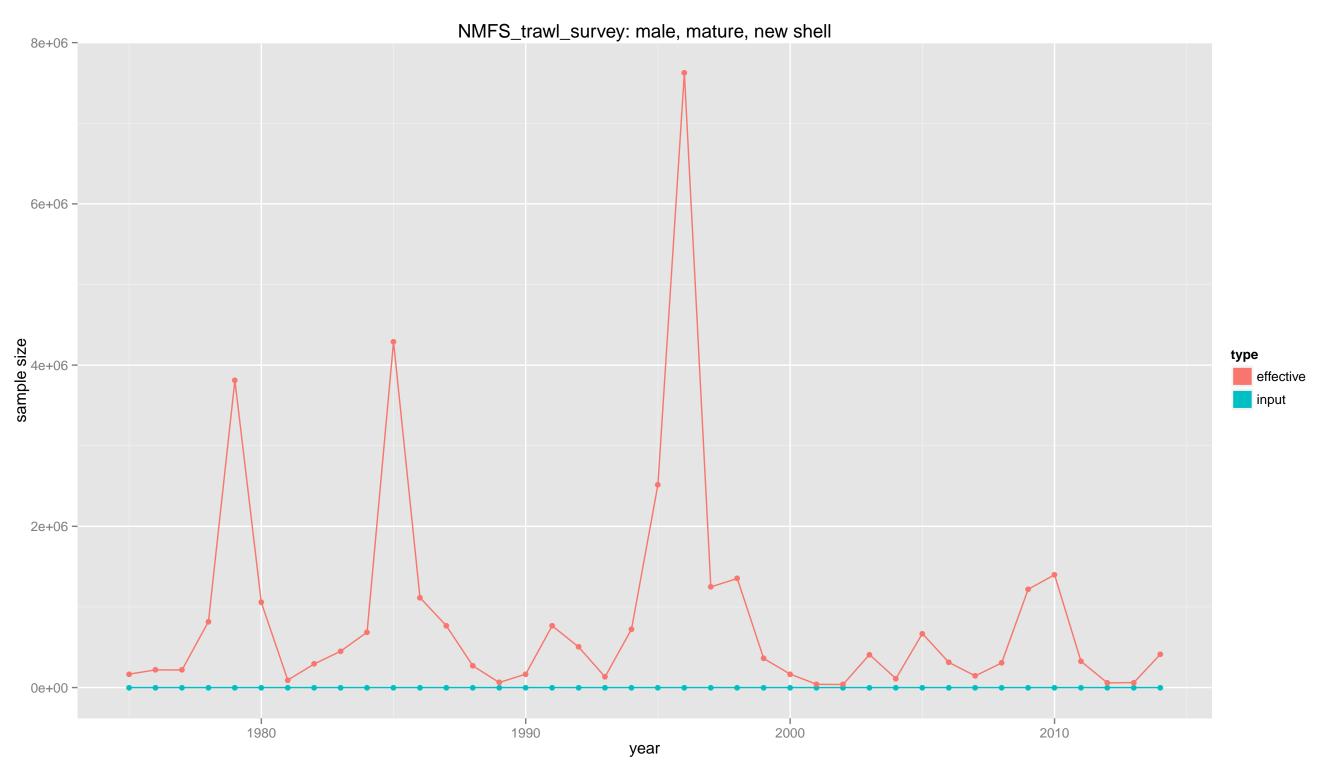


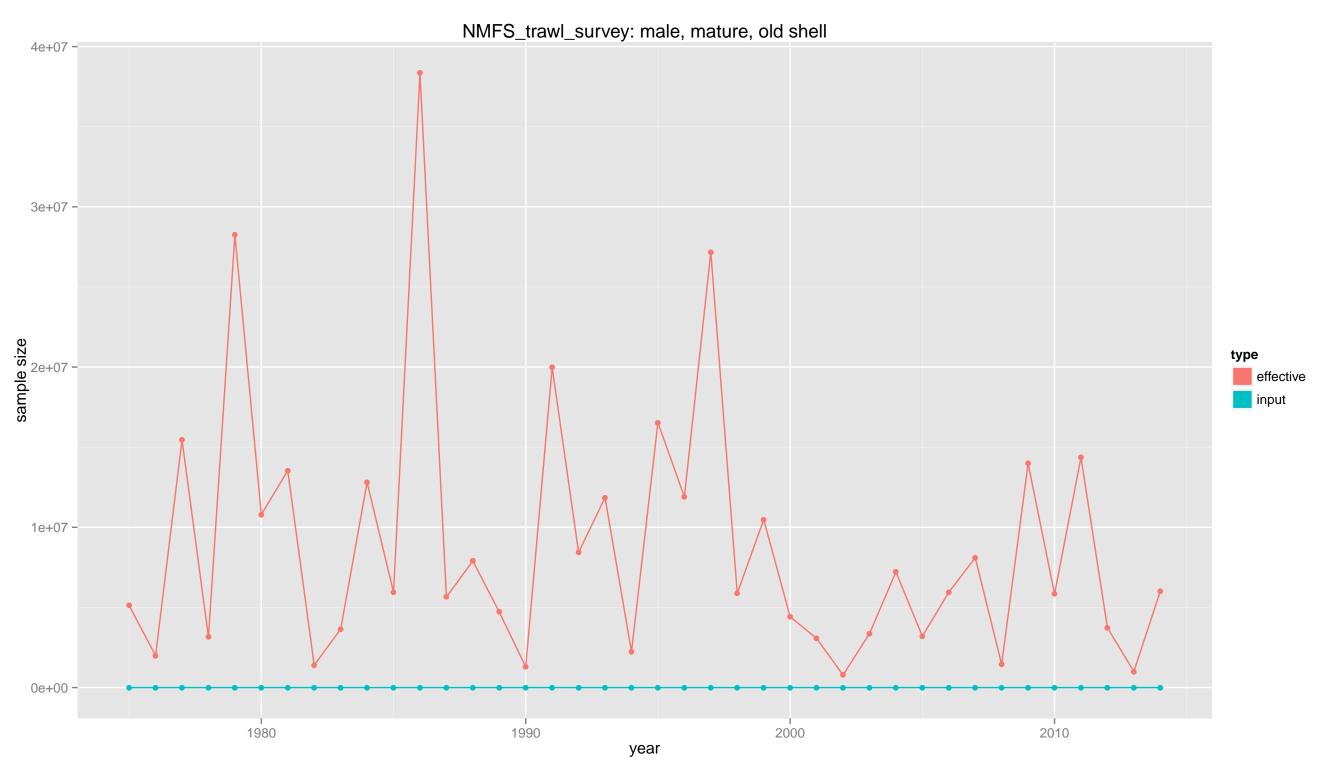


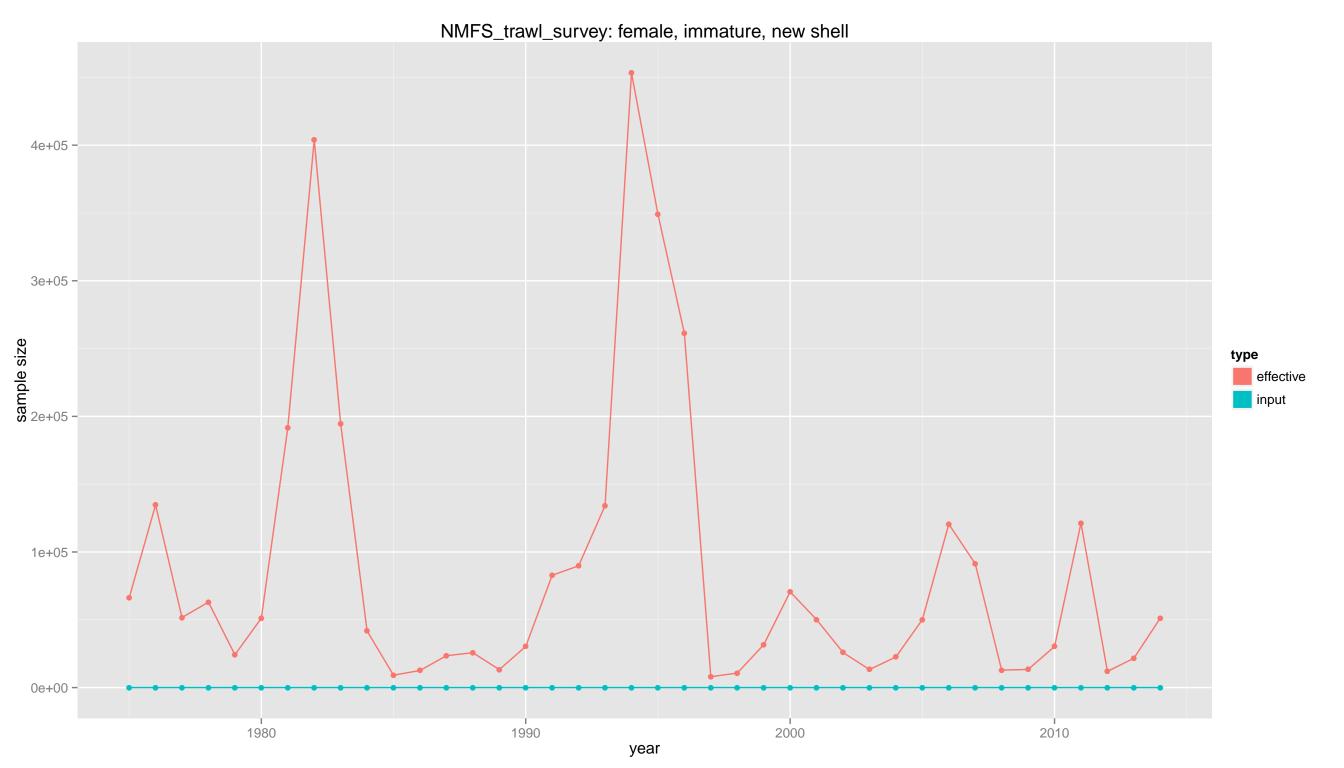


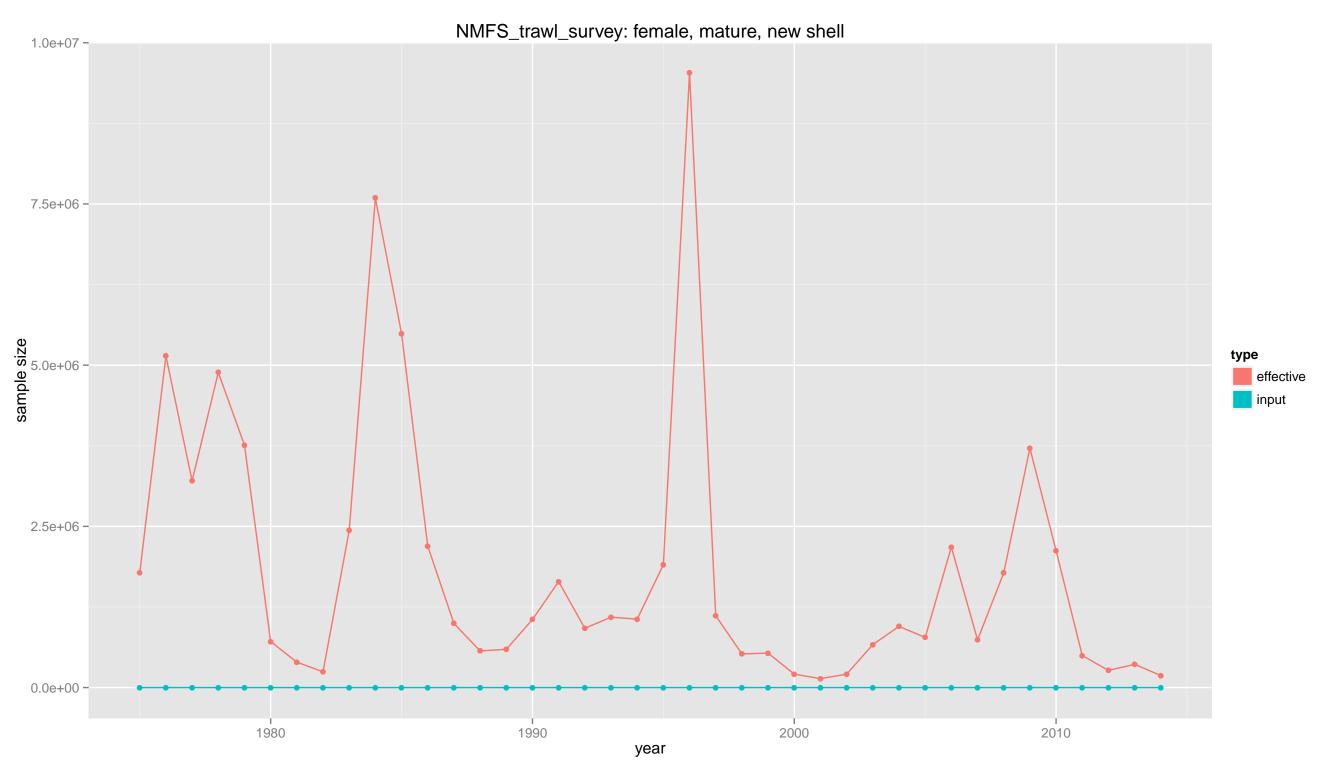


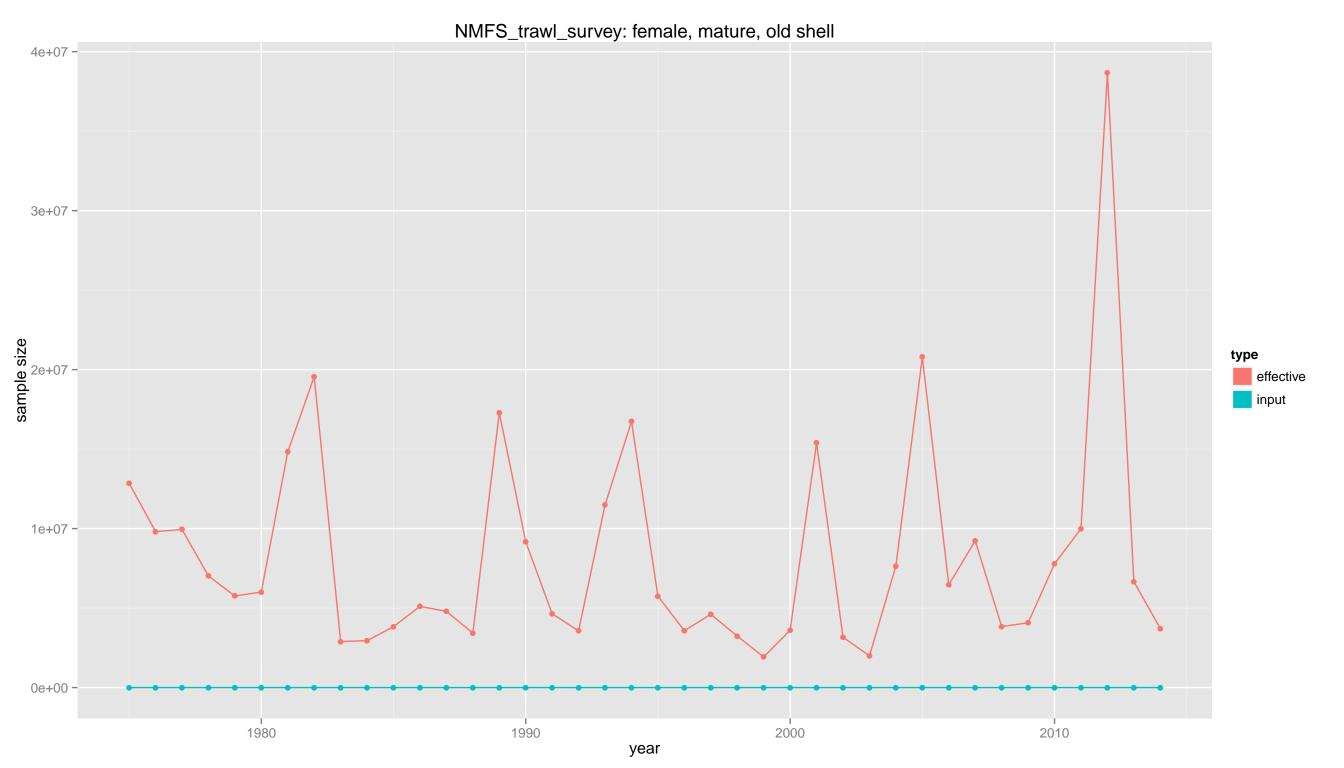






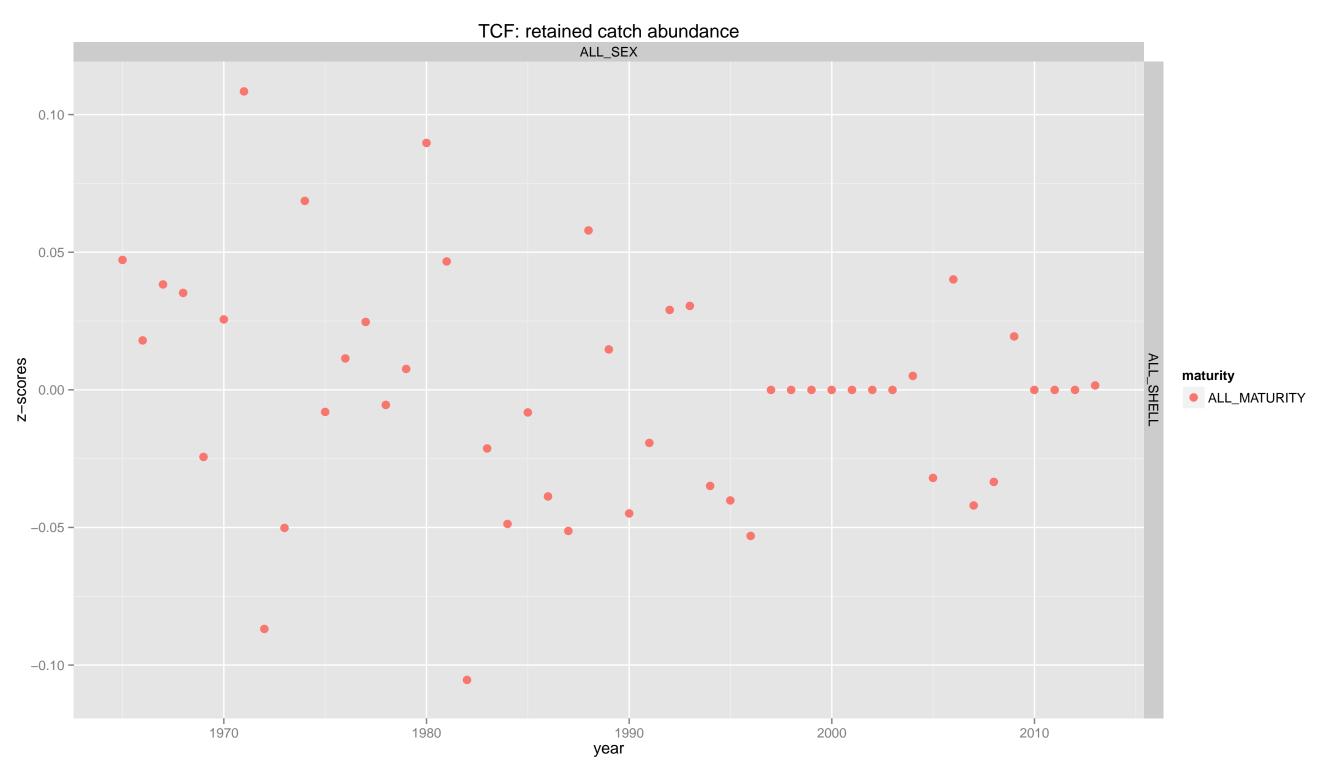




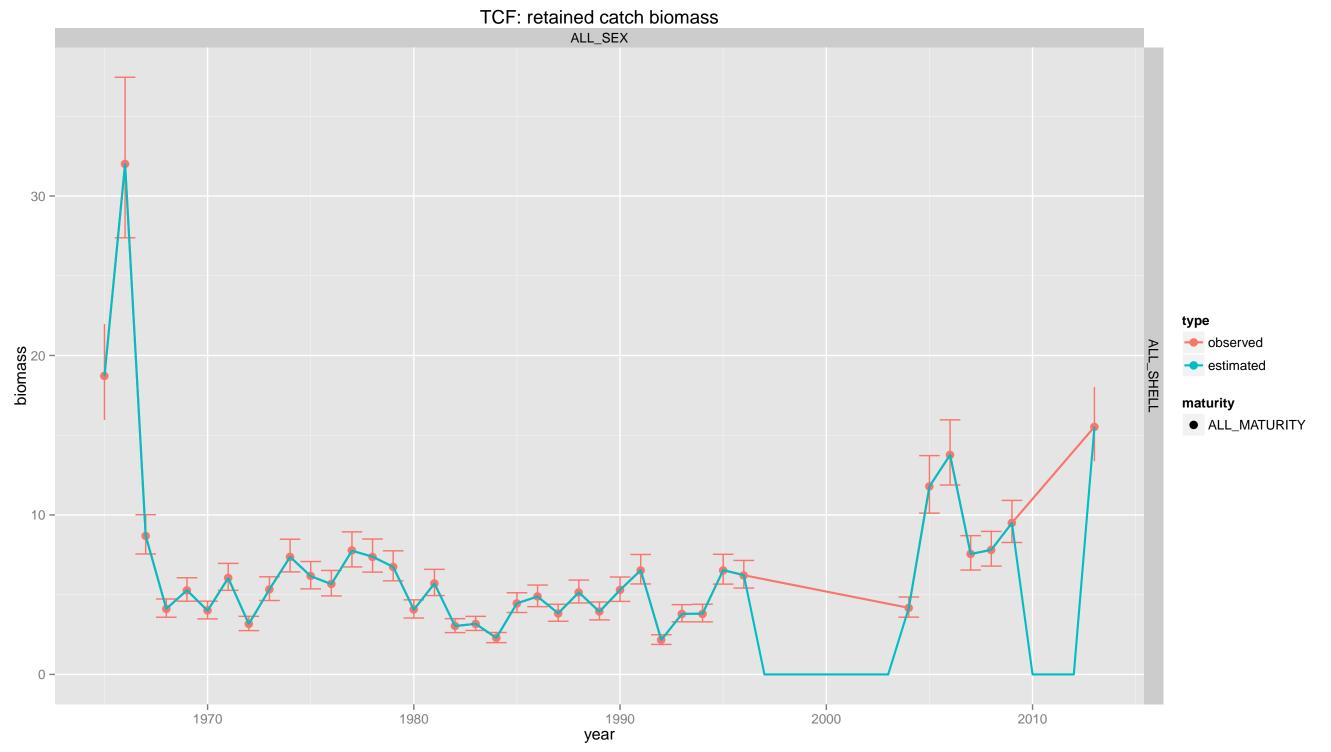


TCF: retained catch abundance ALL\_SEX 25 -20 -15 type observed abundance ALL\_SHELL -- estimated maturity • ALL\_MATURITY 10 -5 -0 -1970 1990 2010 1980 2000 year

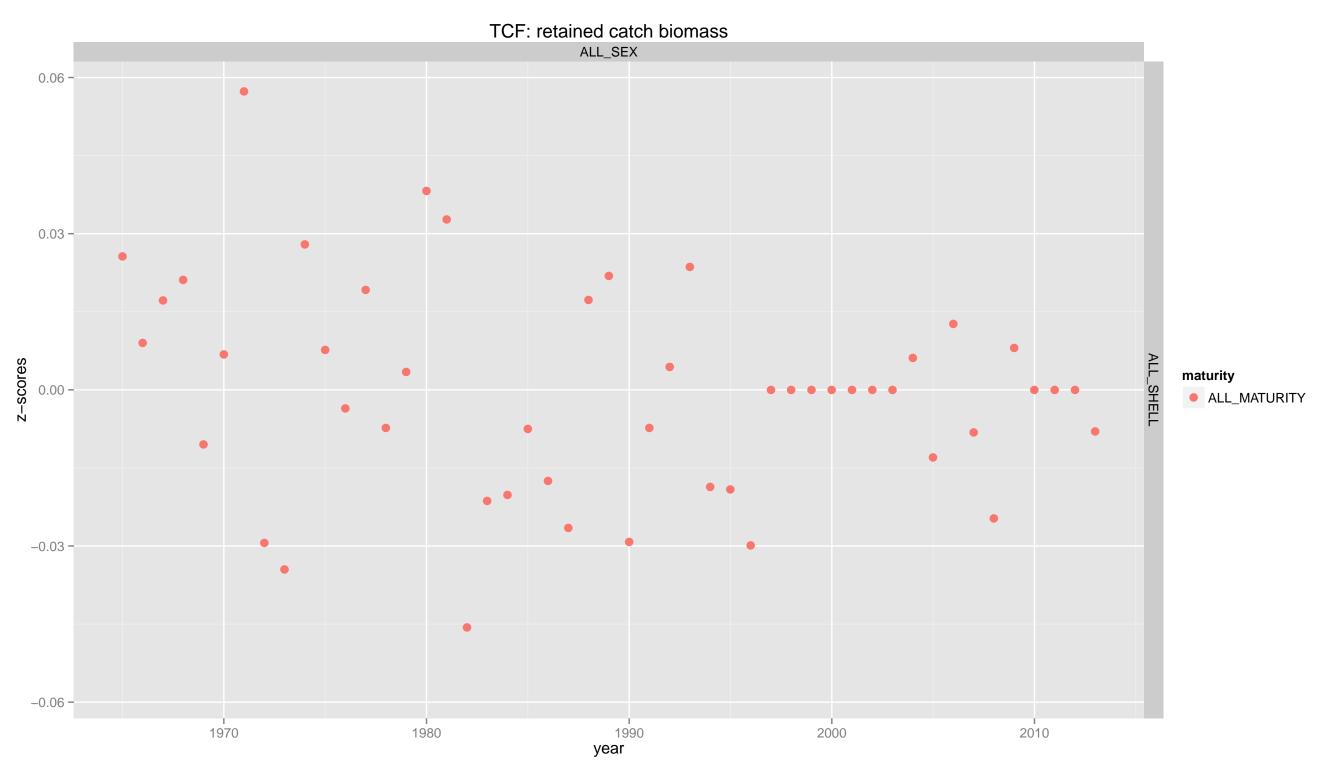
TCF: retained catch abundance ALL\_SEX 3 abundance [In-scale] maturity ALL\_MATURITY ALL\_SHELL type observed -- estimated 1970 1980 1990 2000 2010 year



TCF: retained catch biomass

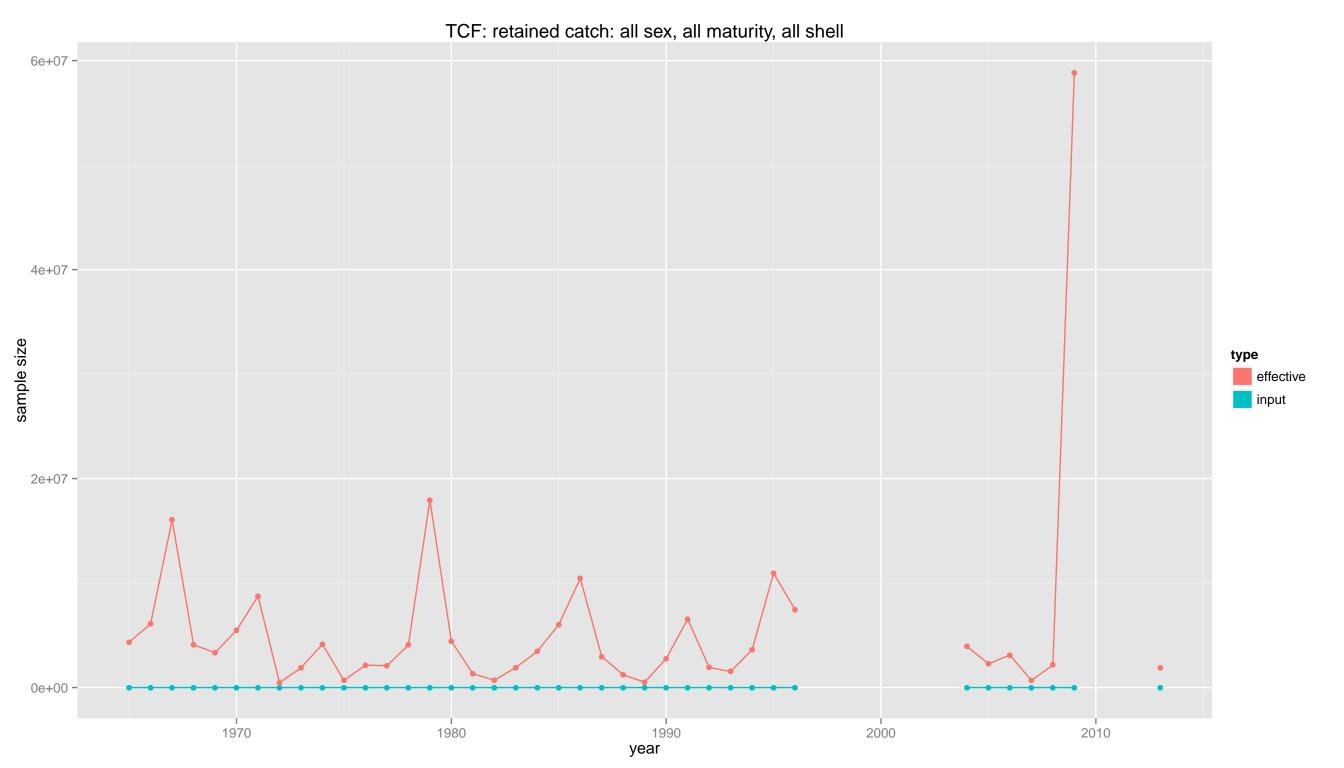


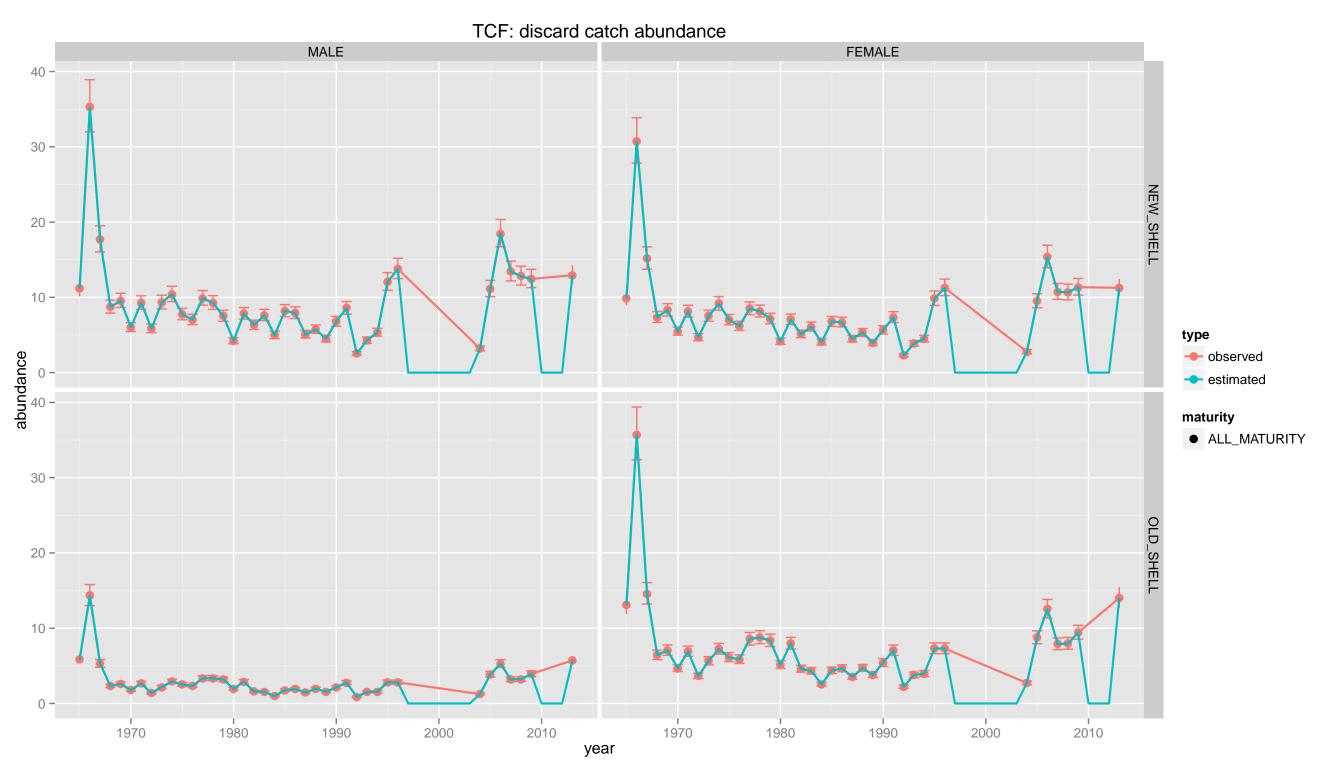
TCF: retained catch biomass ALL\_SEX biomass [In-scale] maturity • ALL\_MATURITY ALL\_SHELL type observed -- estimated 1990 year 1970 1980 2000 2010



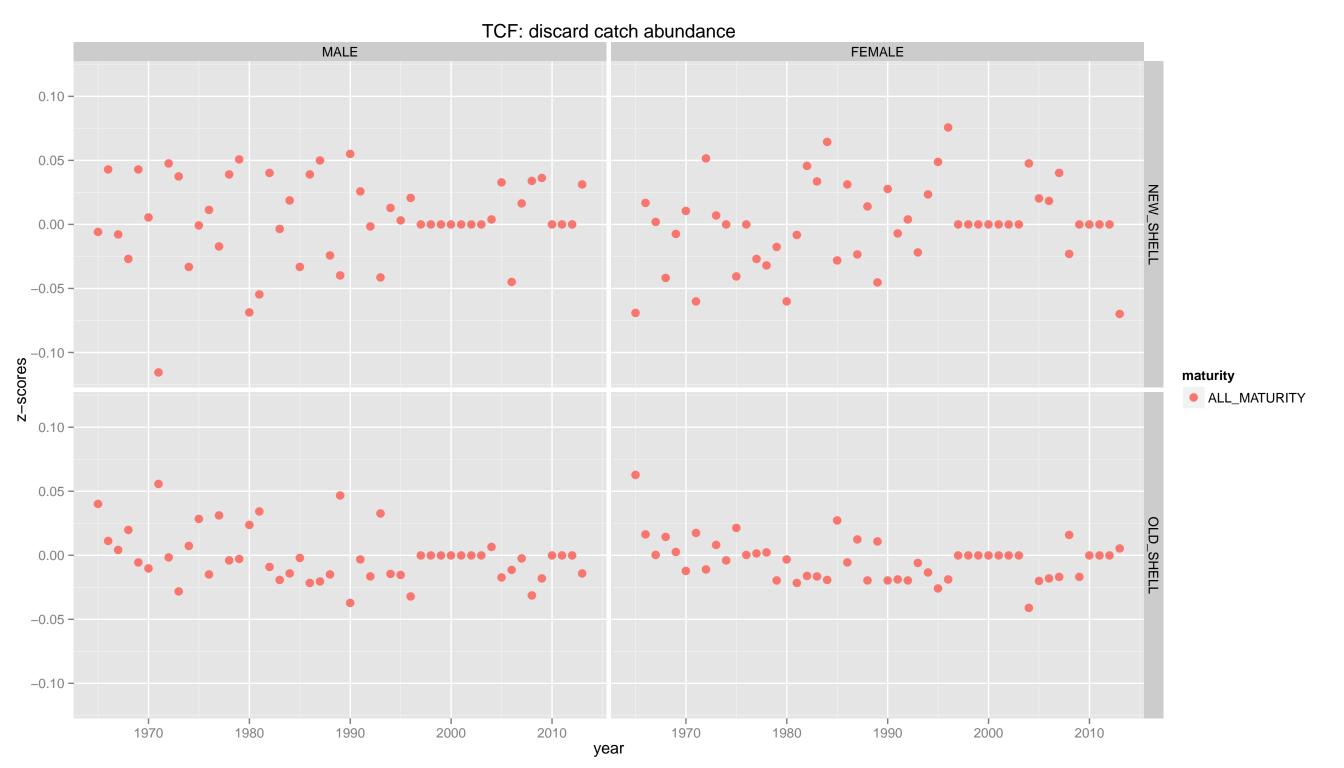
TCF: retained catch: 00000 0 0 0 0 0 · 0 0 0 0 · 150 -residual type size (mm CW) 50 -1970 1980 1990 2000 2010 pearson's residuals

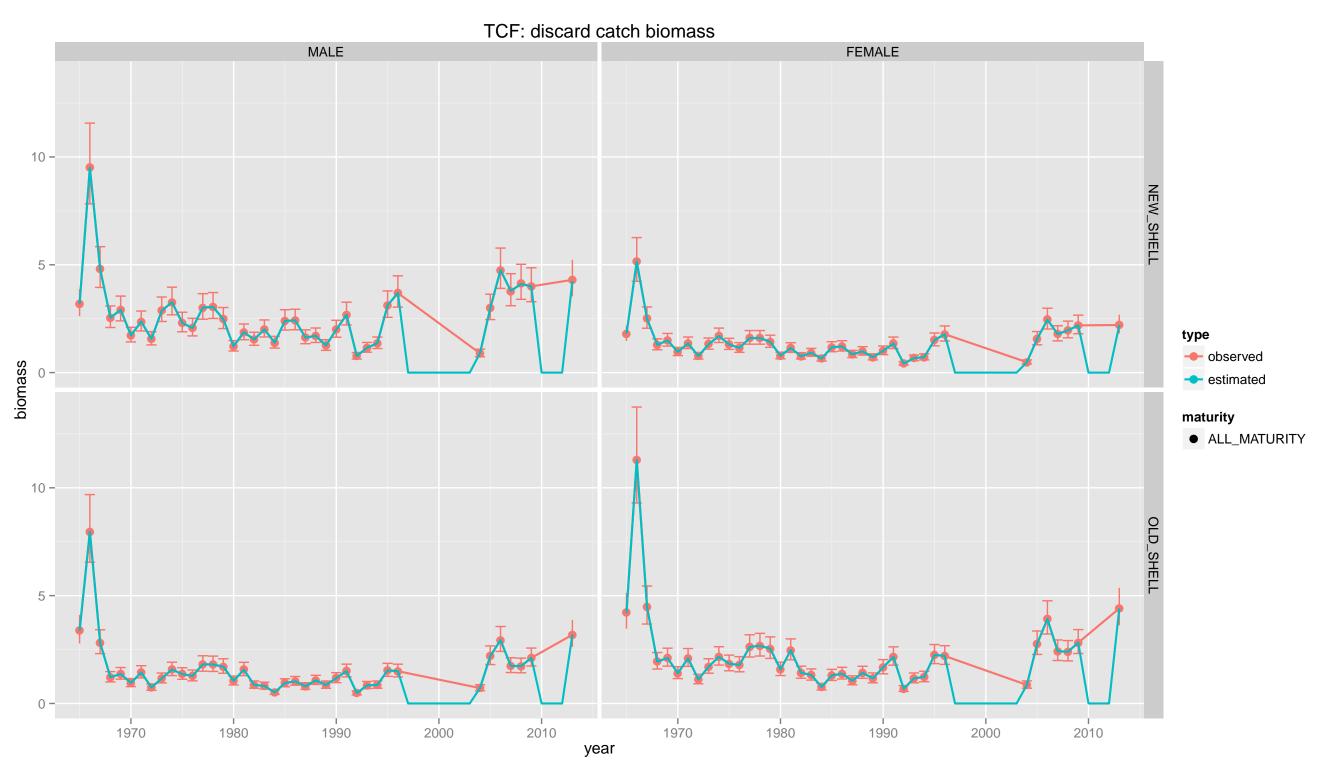


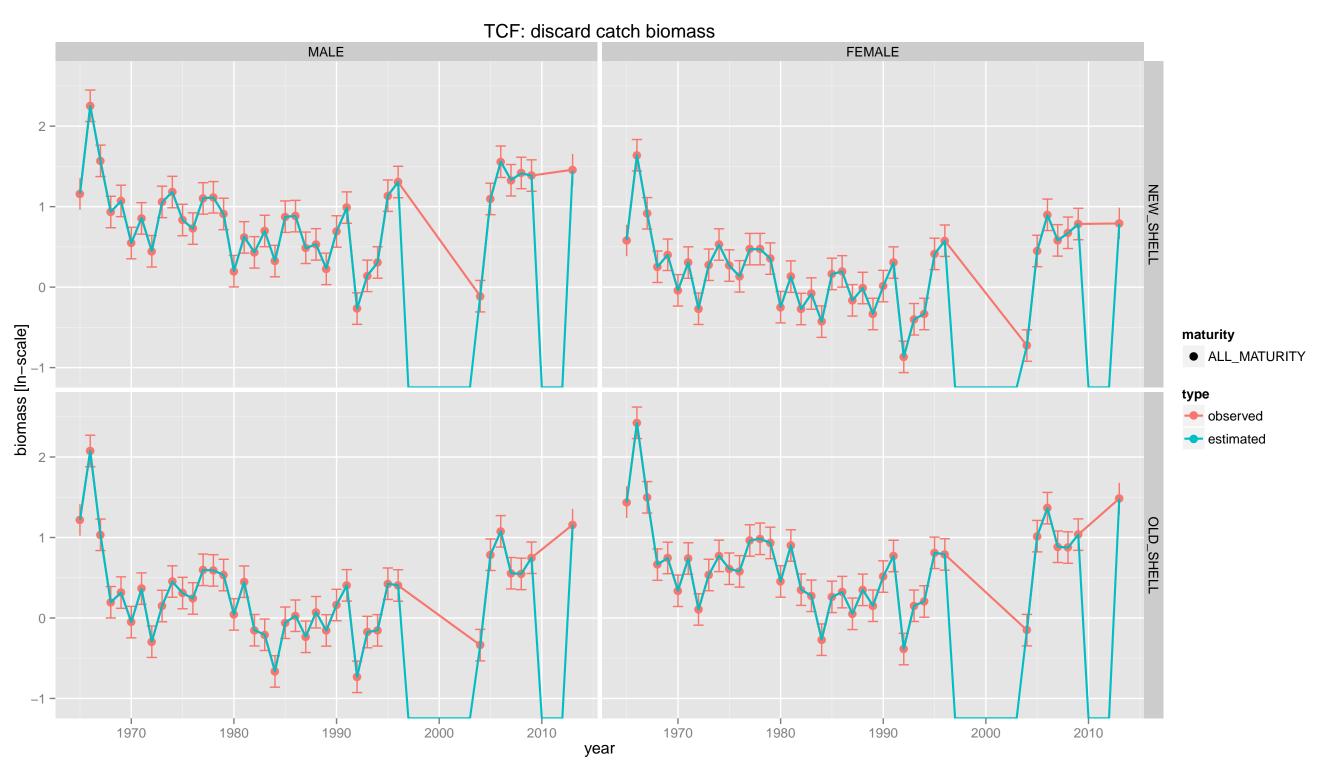


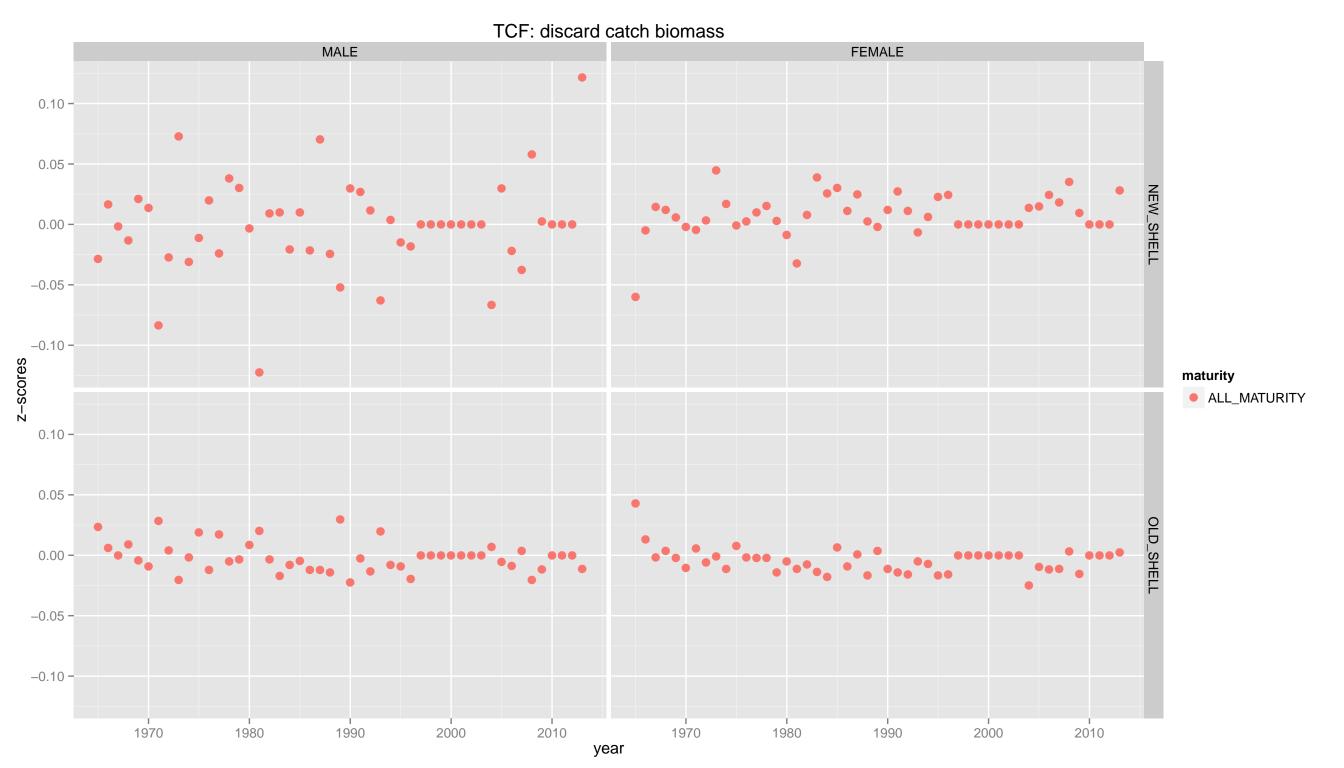


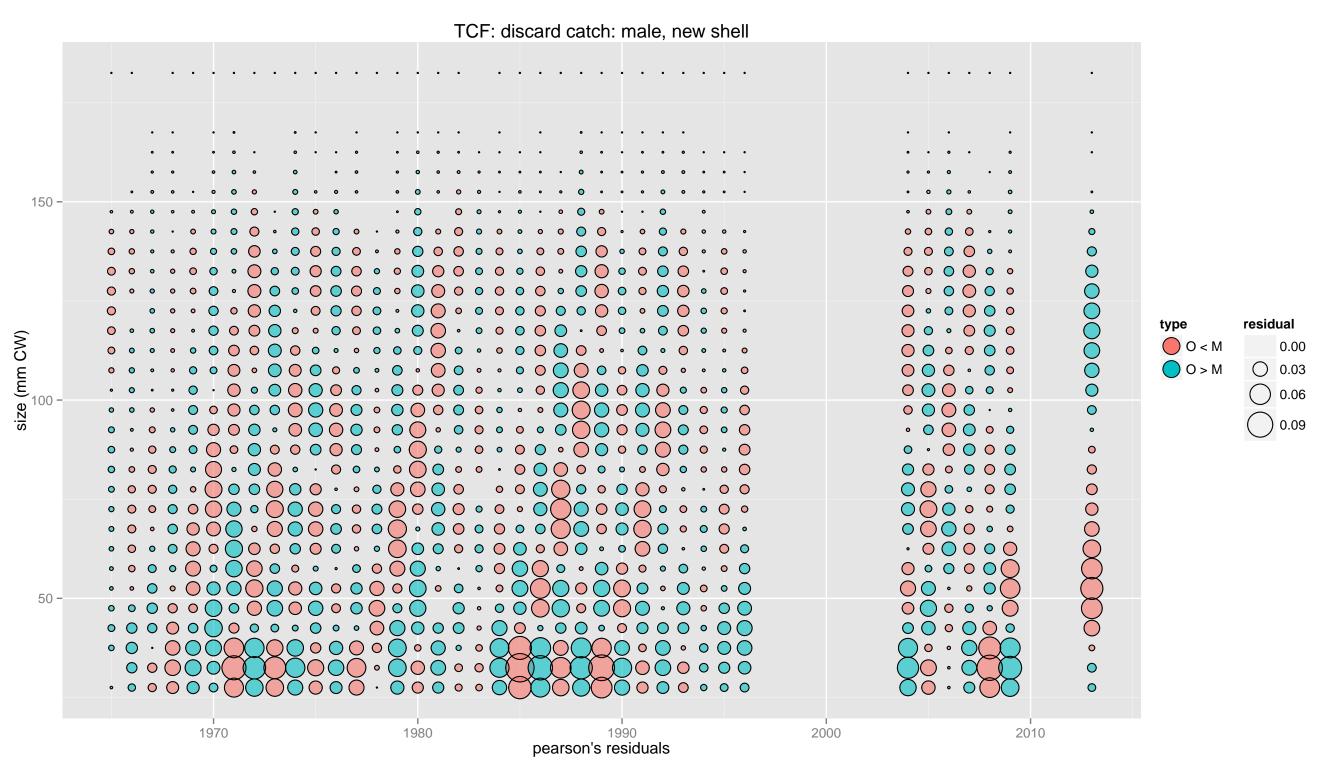


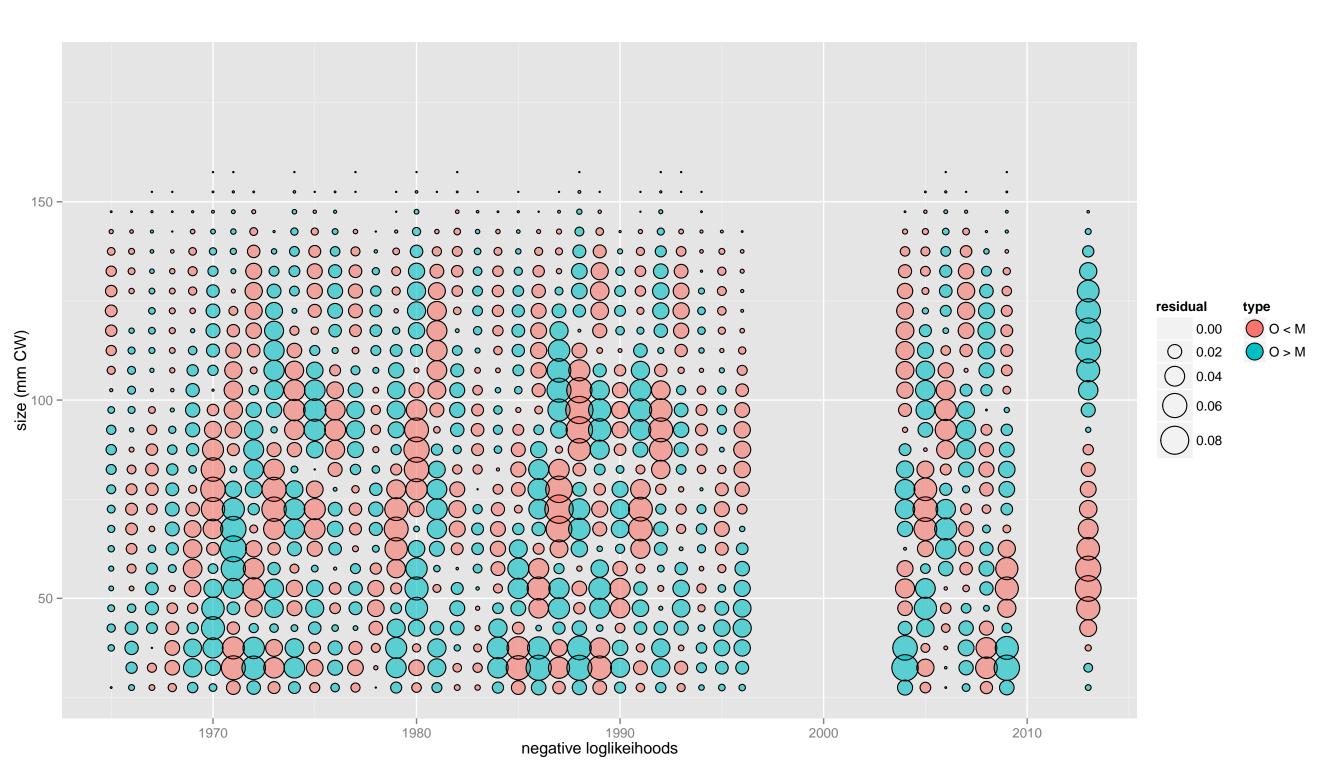


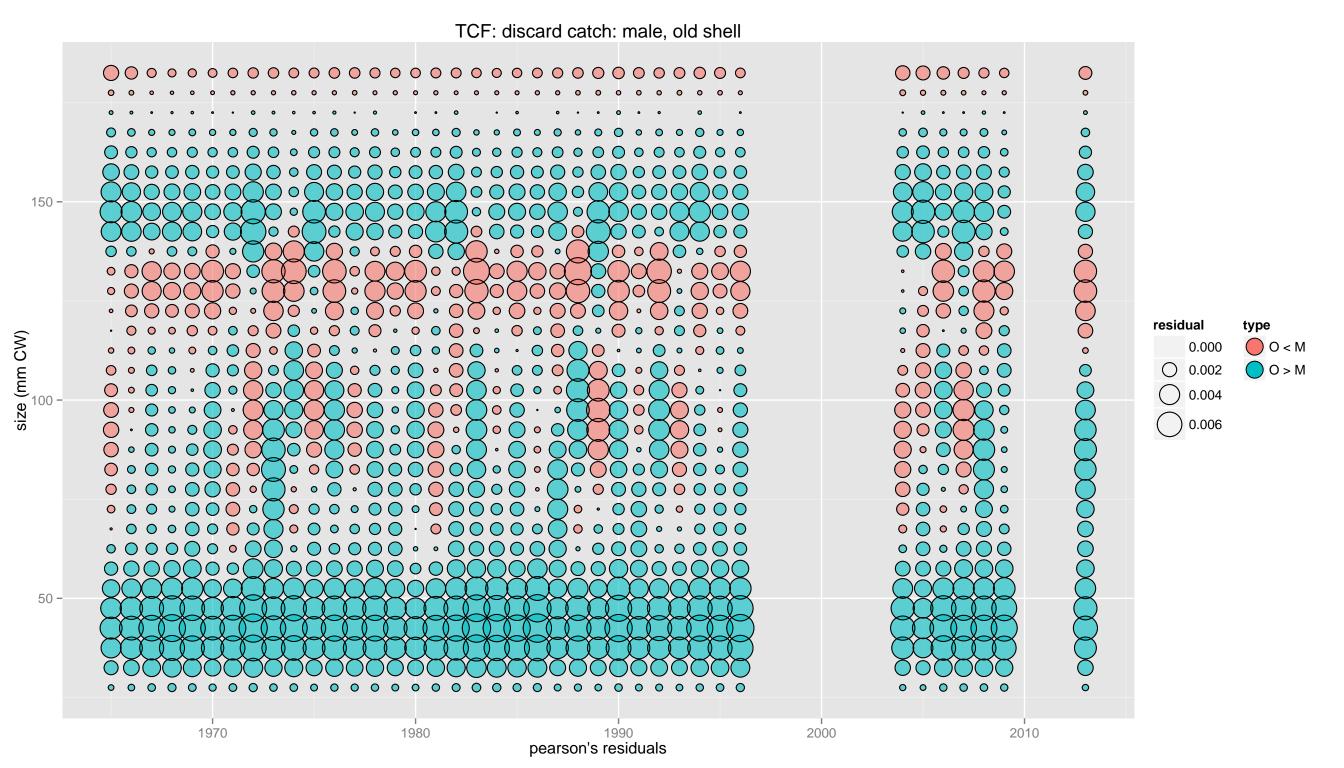




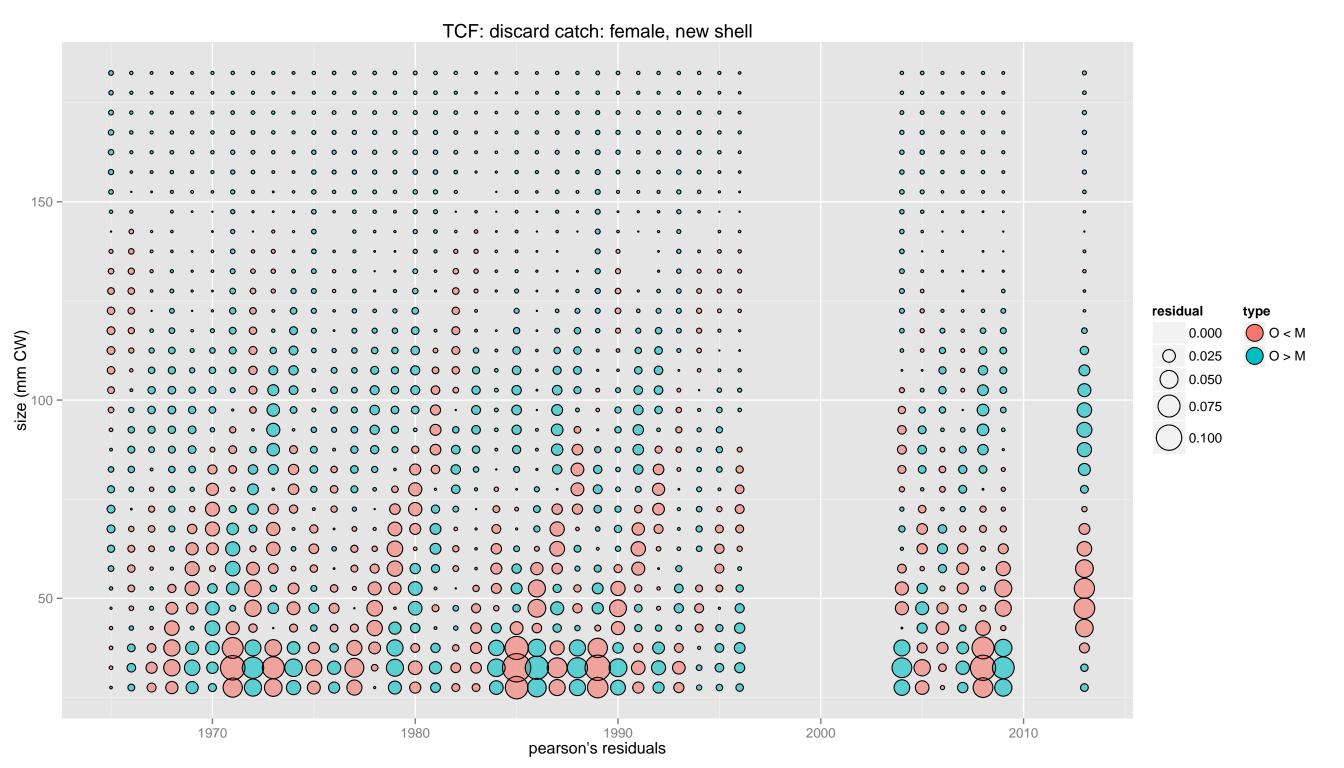




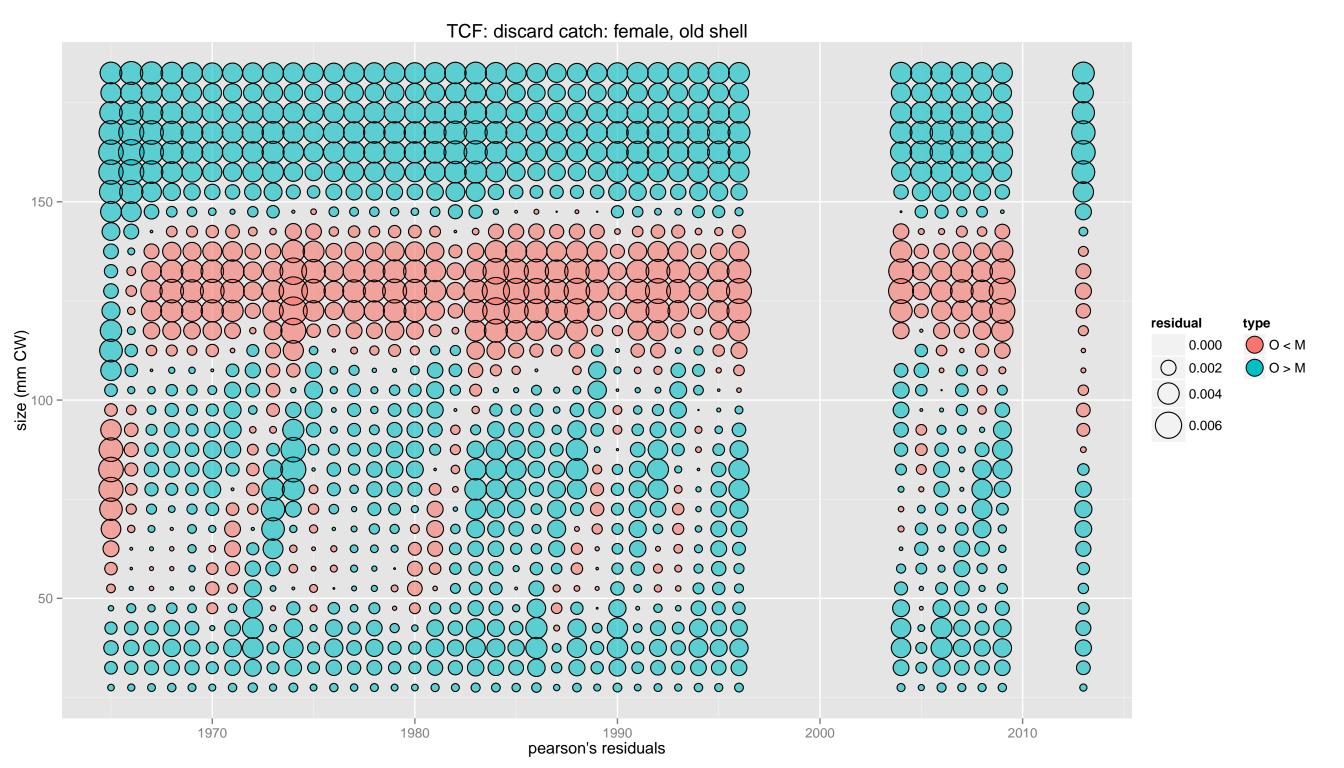


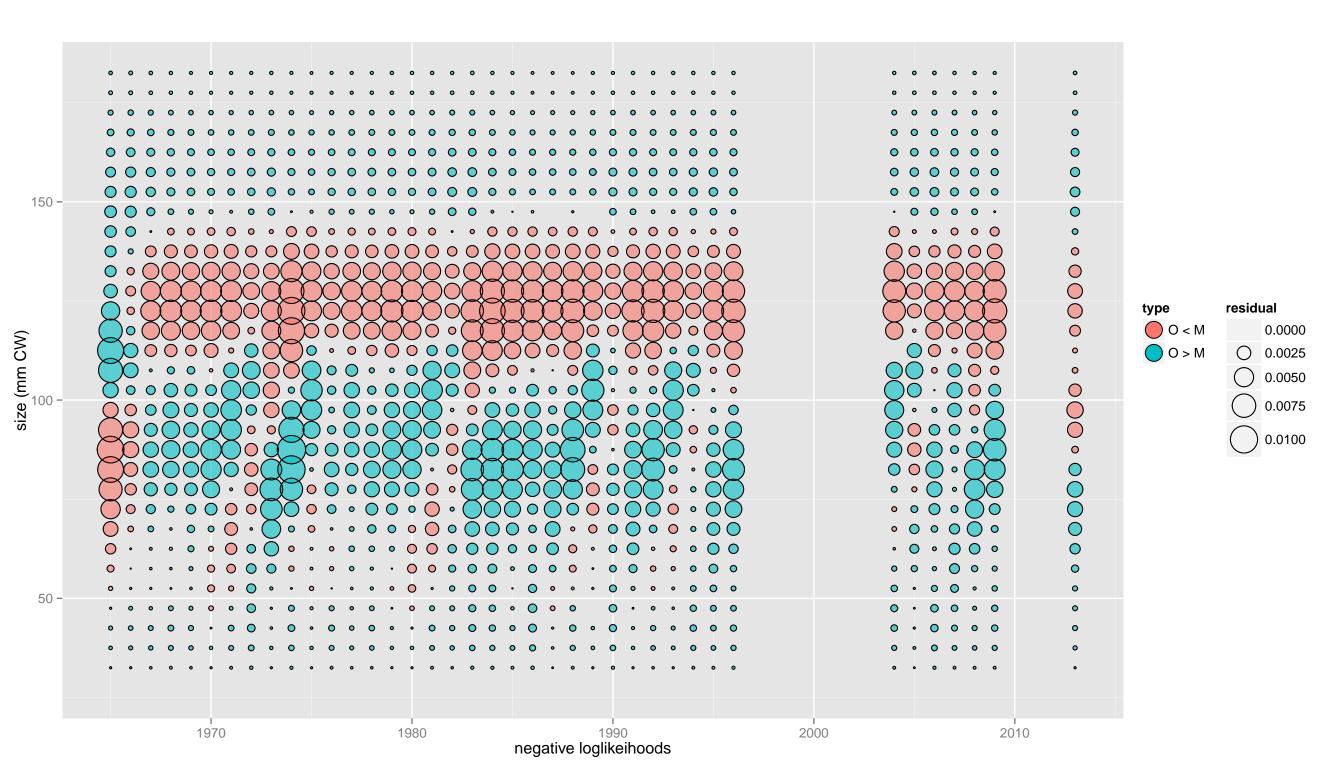


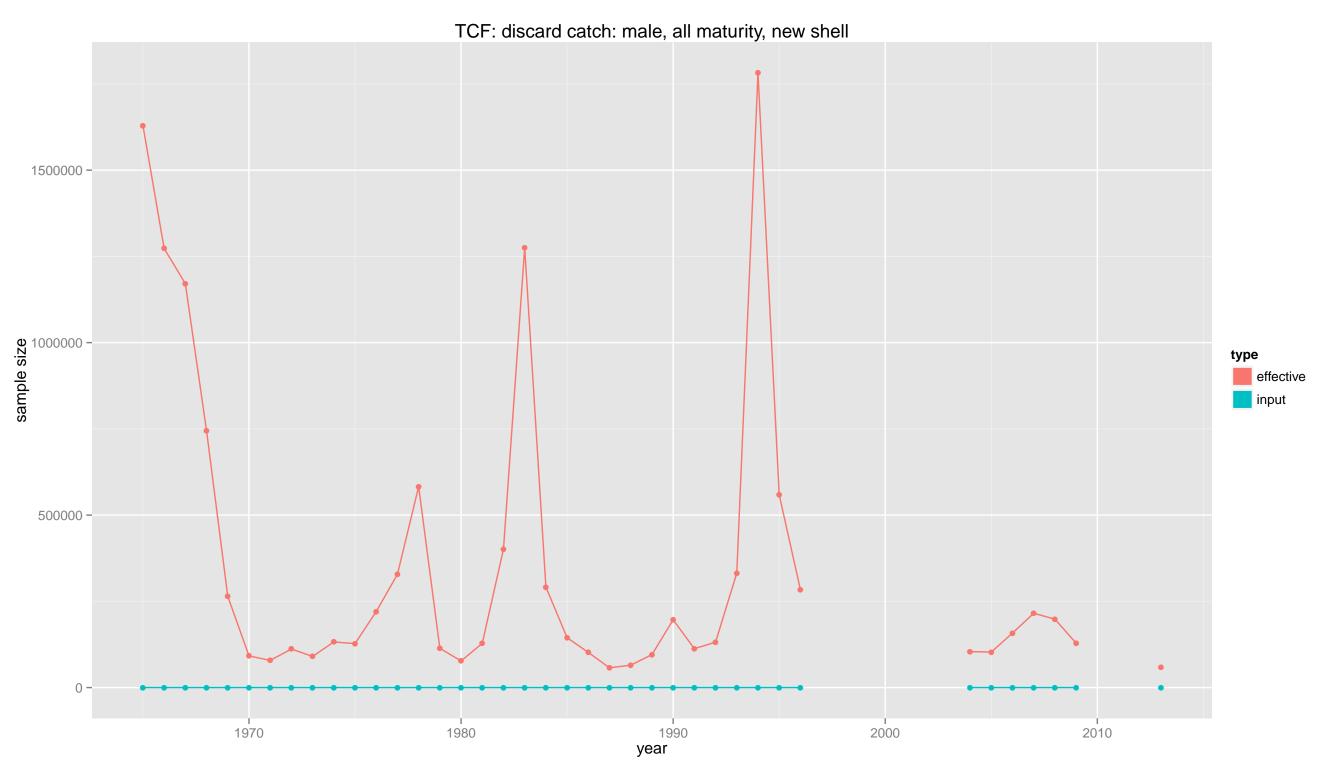


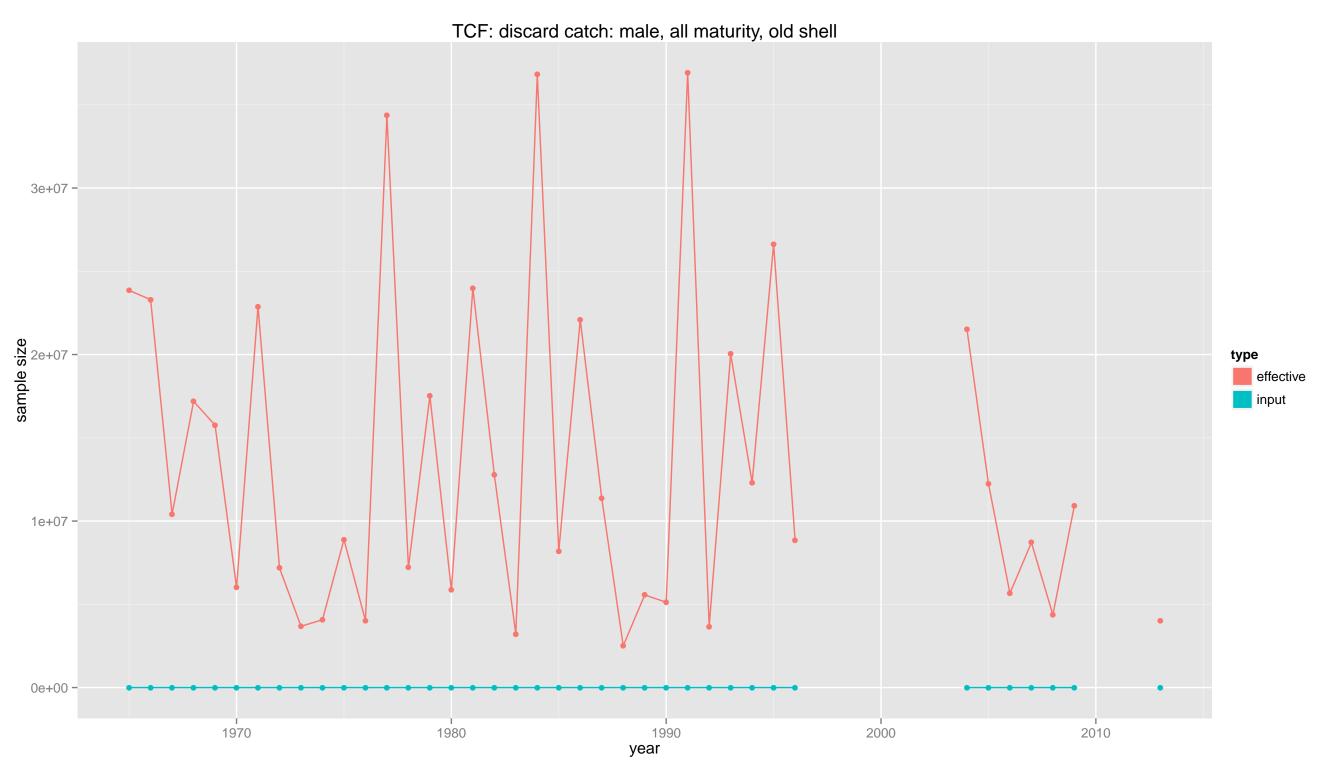


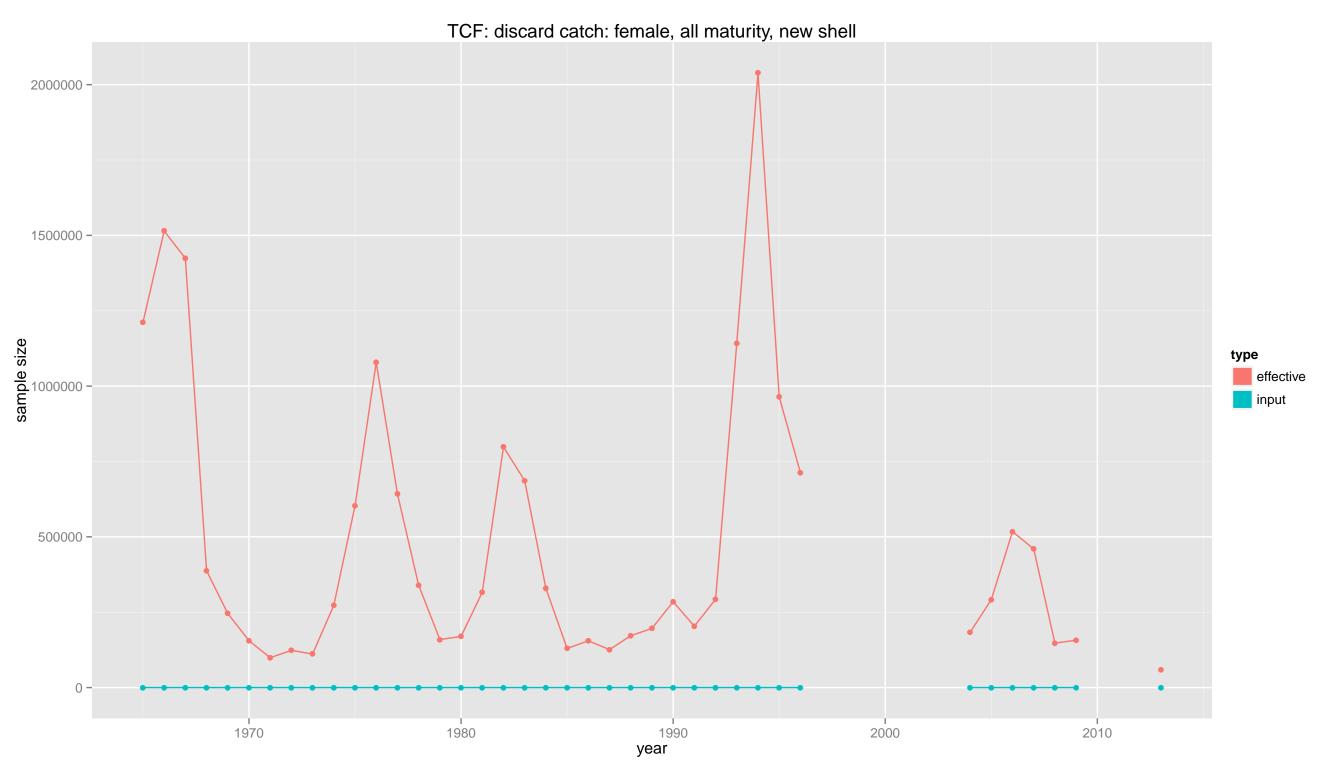


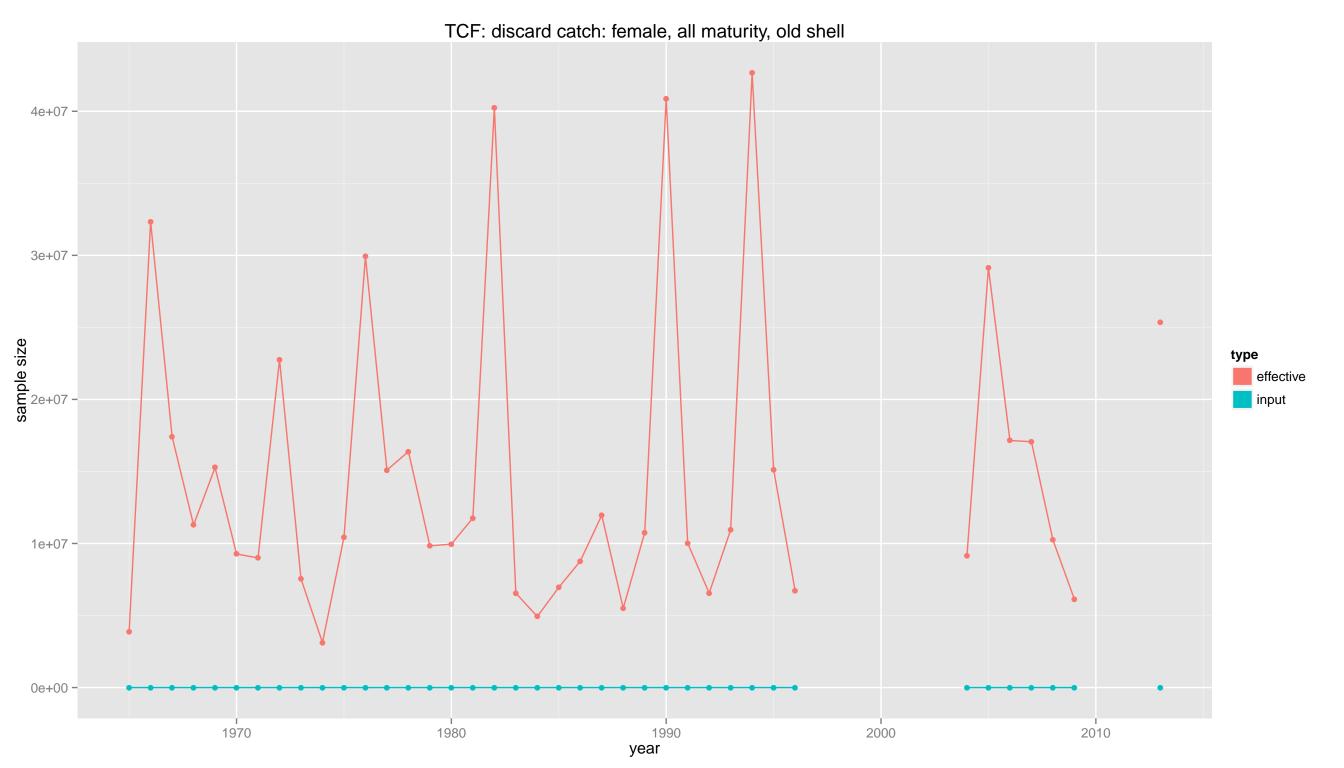


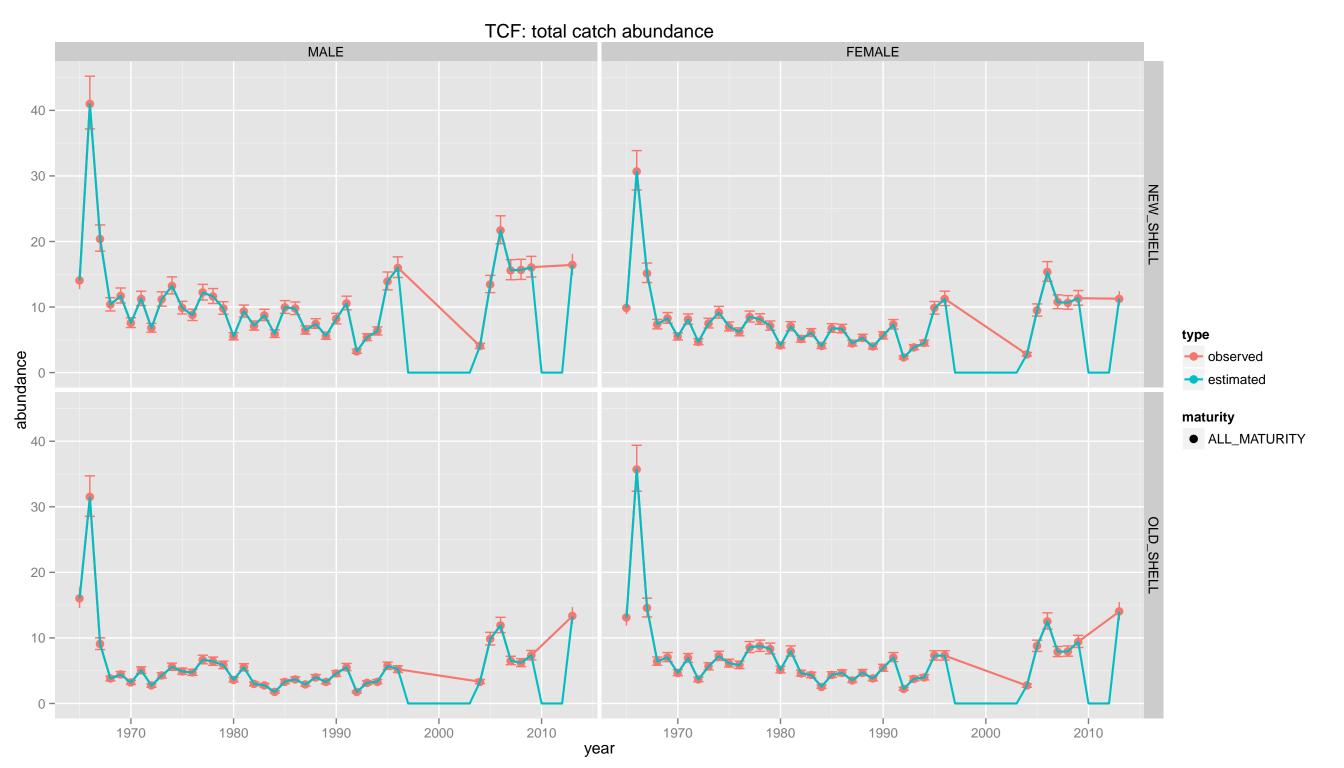


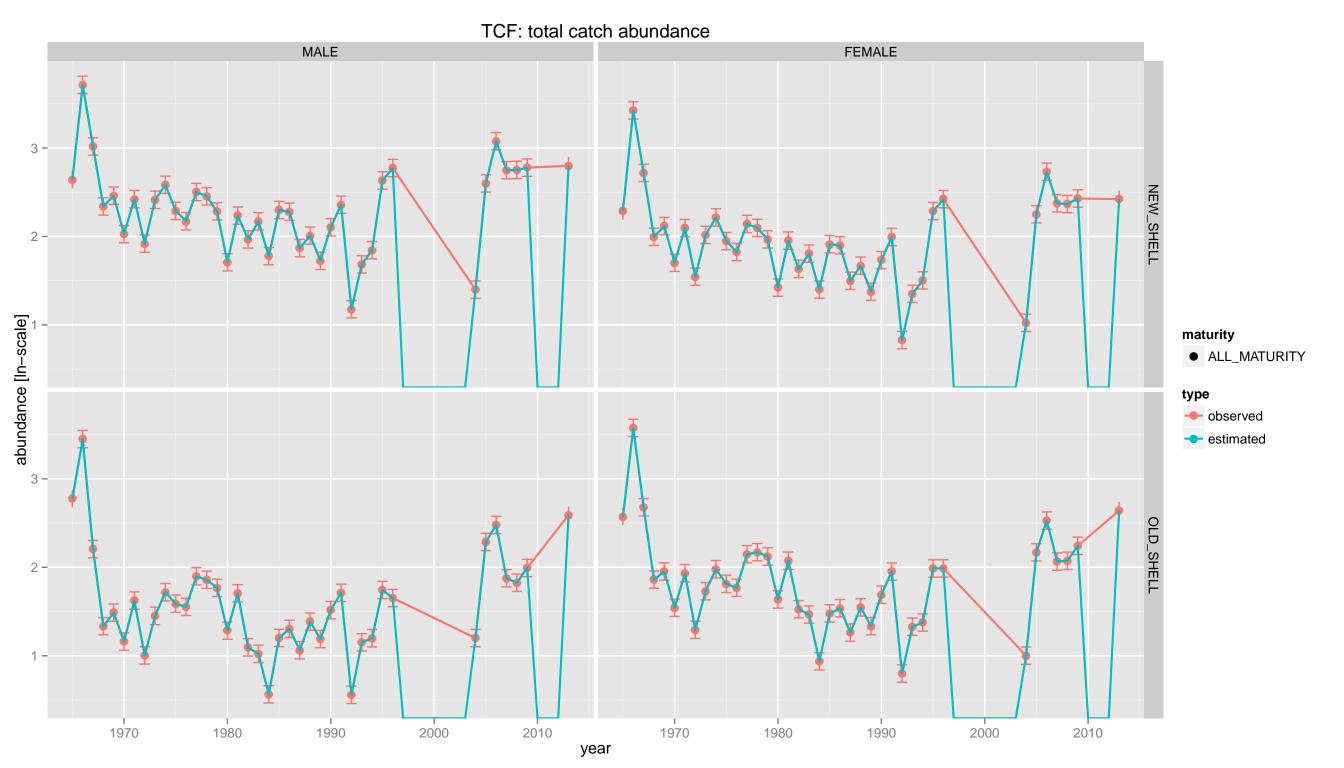


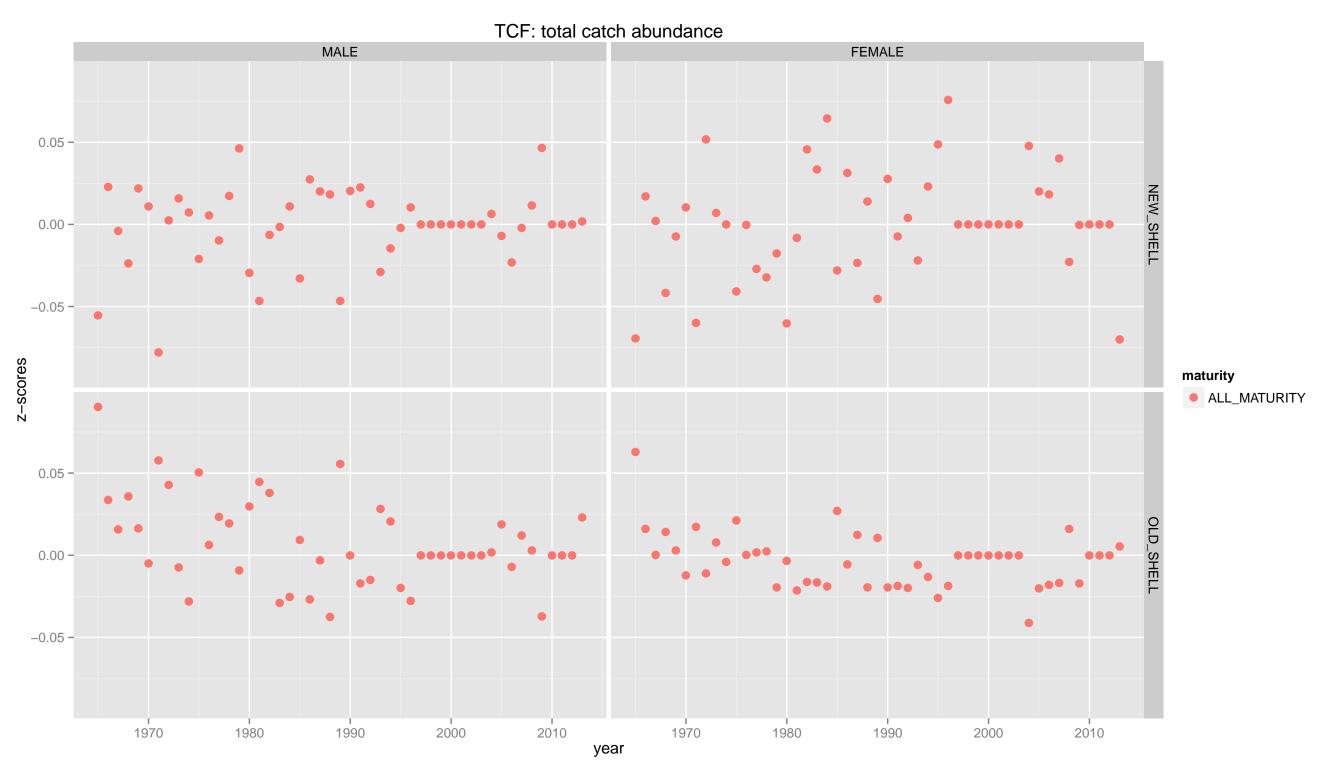


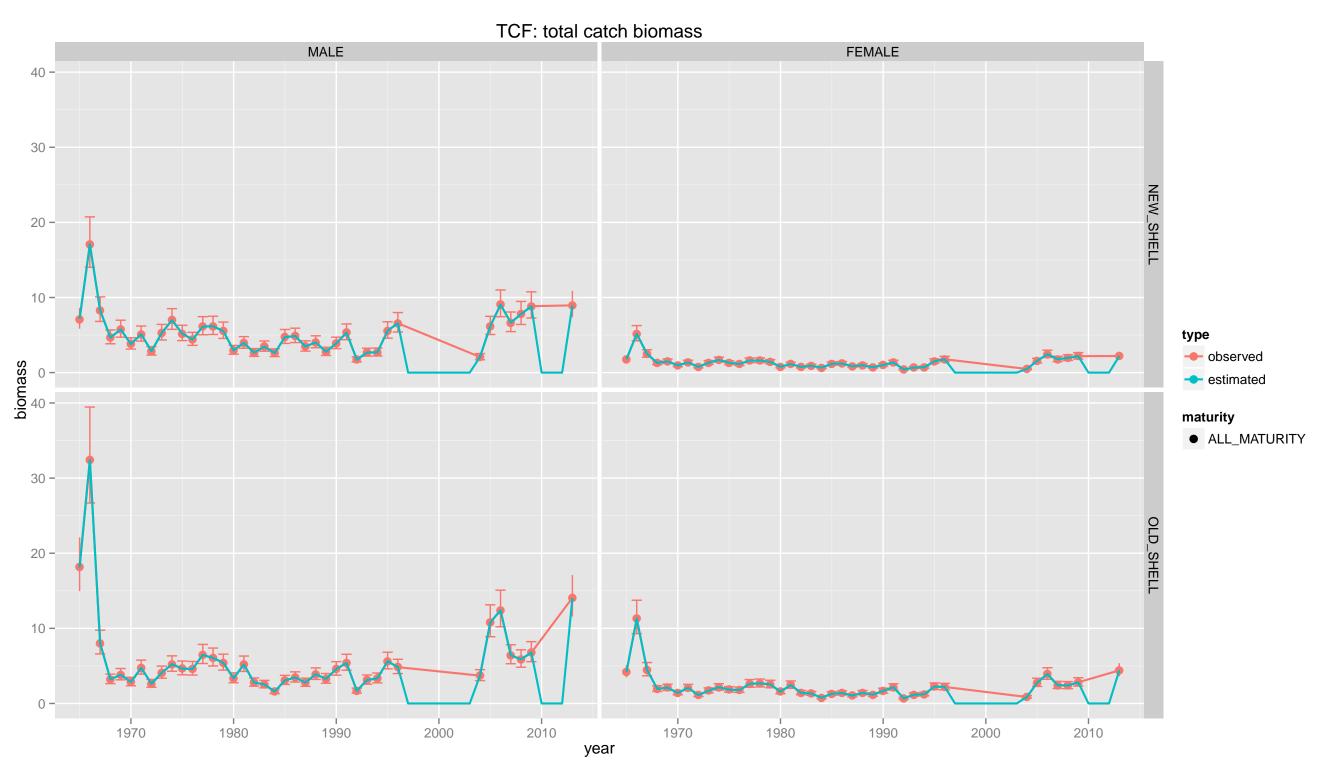




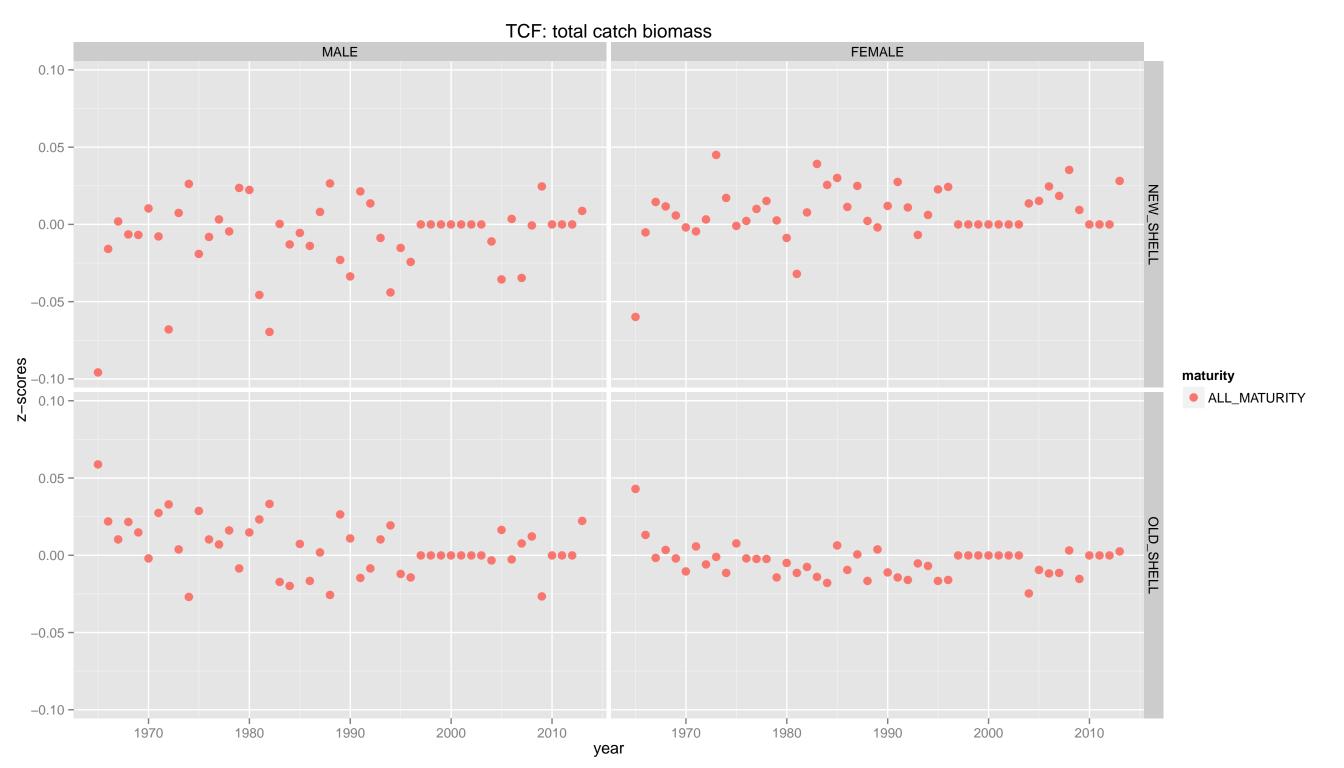


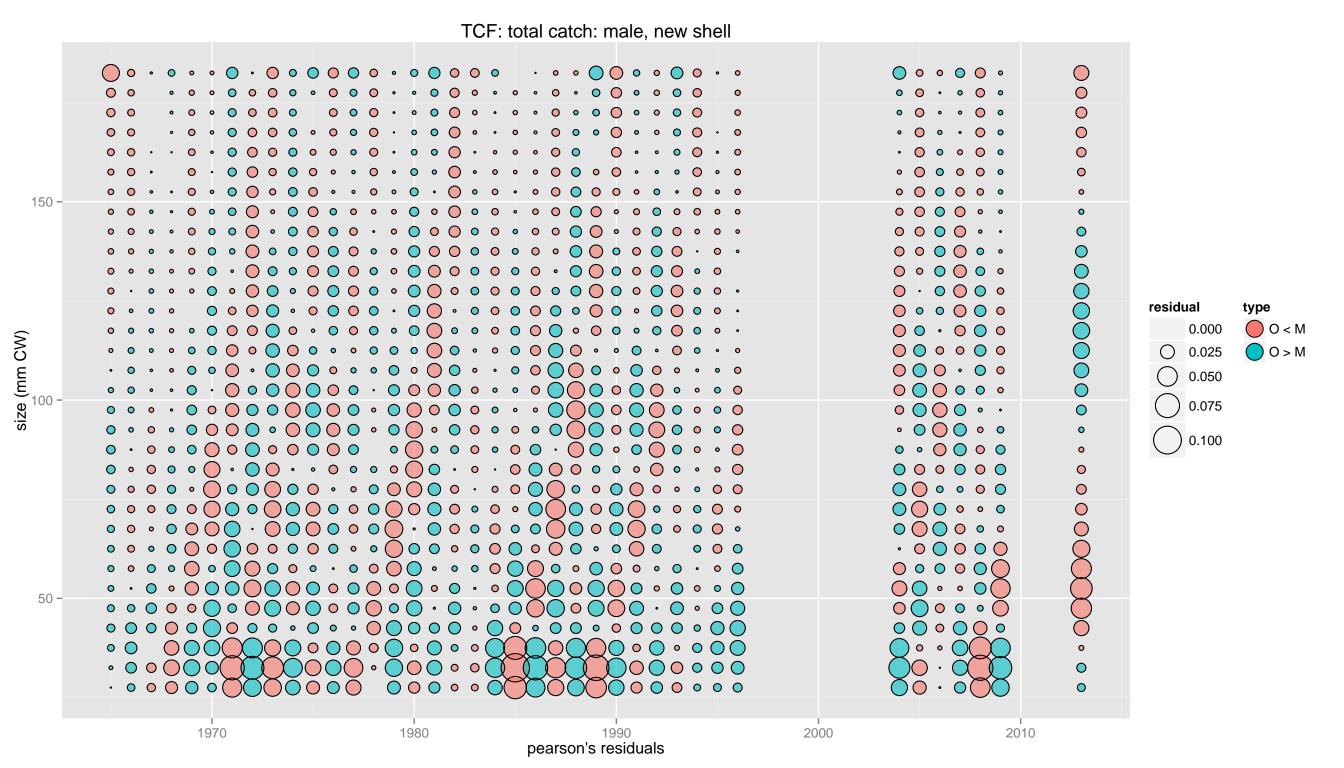


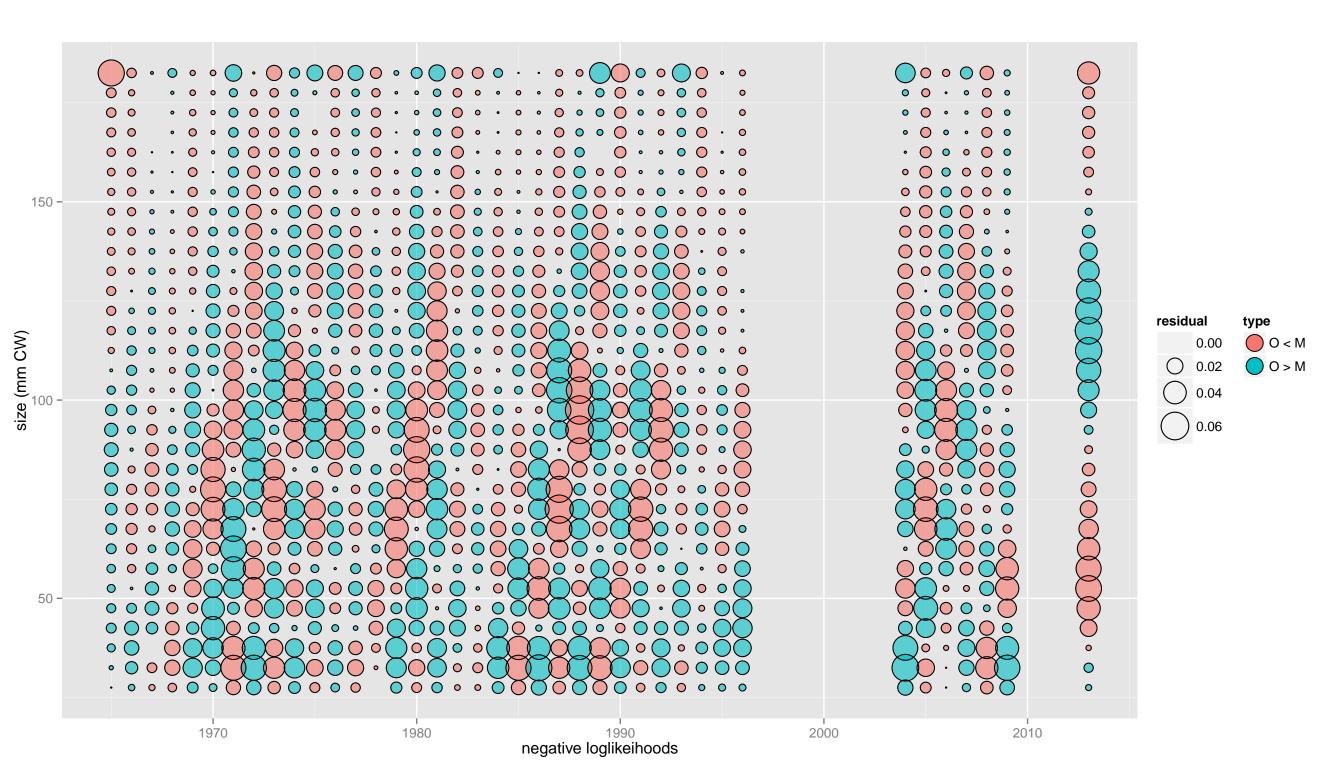












TCF: total catch: male, old shell 0 0 0 0 • 0 0 0 0 0 0 0 0 0 0 0 0 150 -0 residual type 0.000 size (mm CW) 0.010 50 -2000 1970 2010 1980 1990 pearson's residuals



