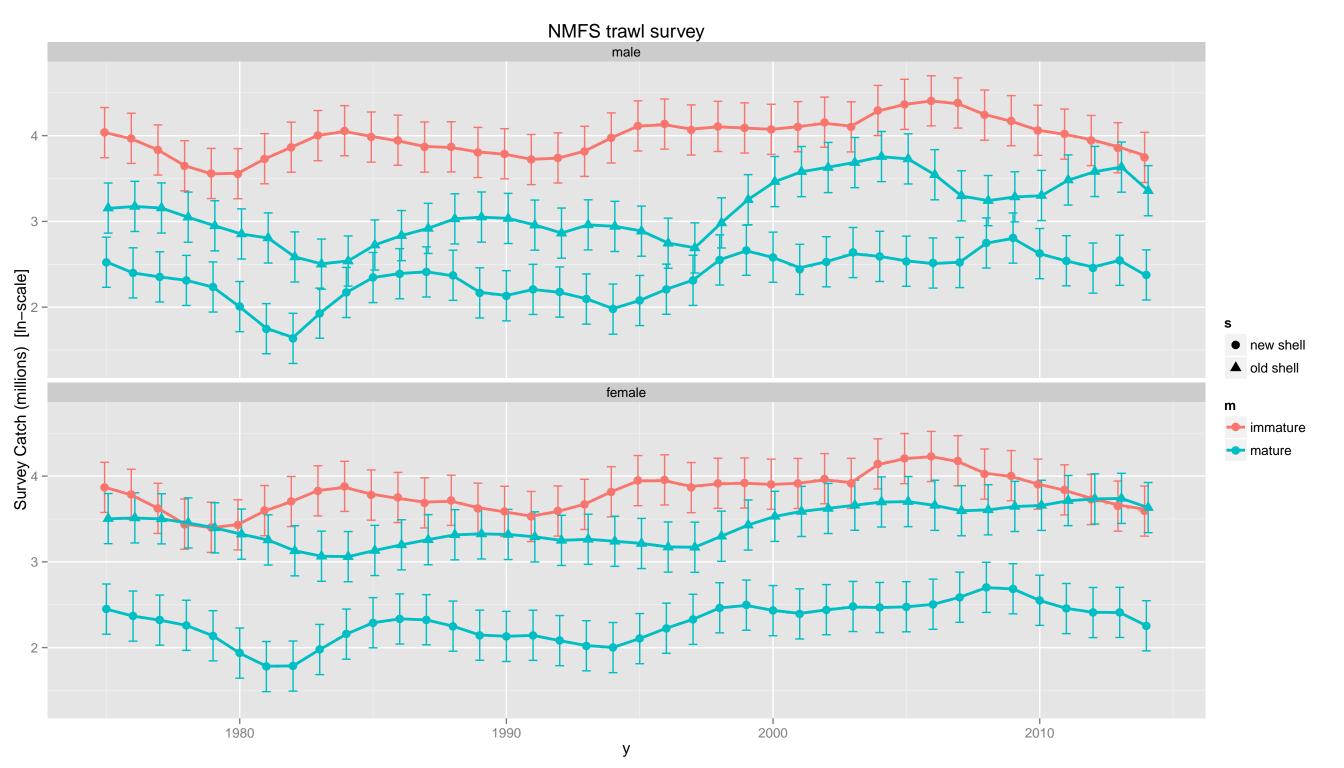
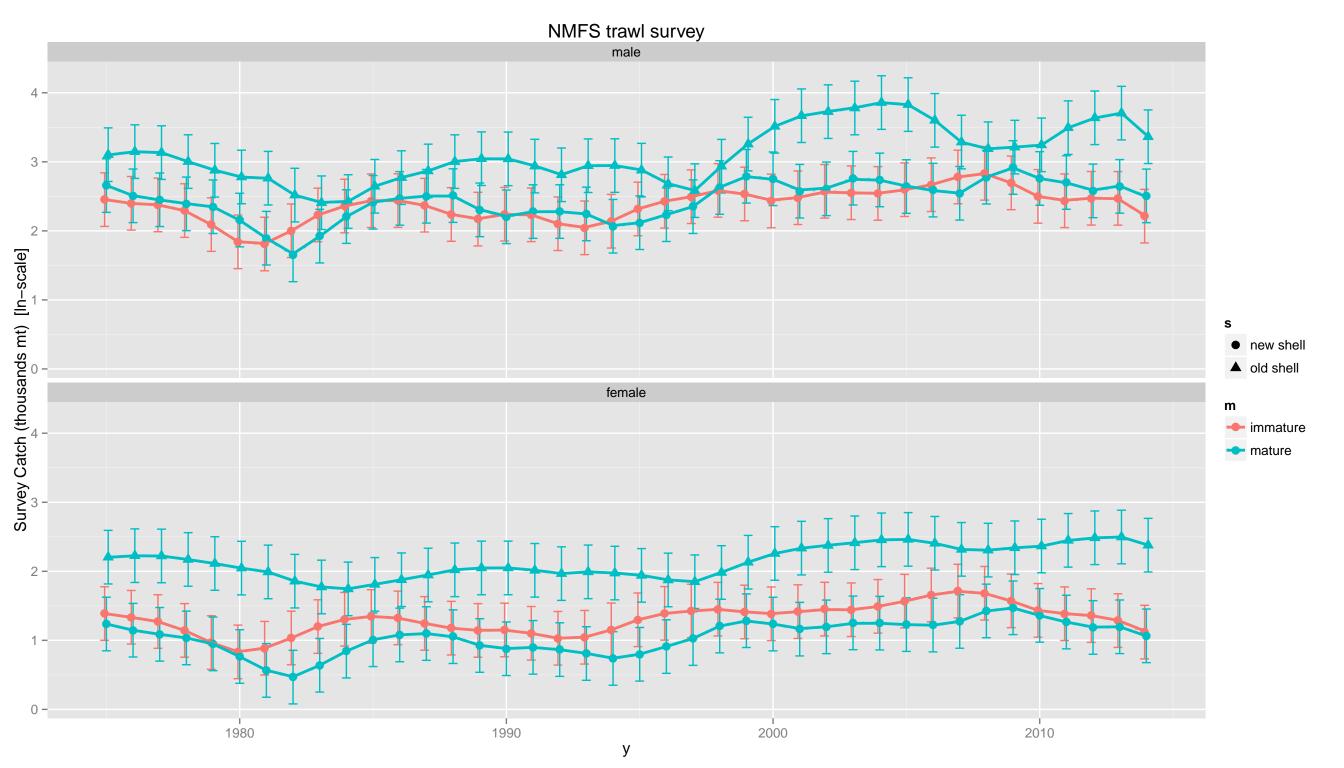
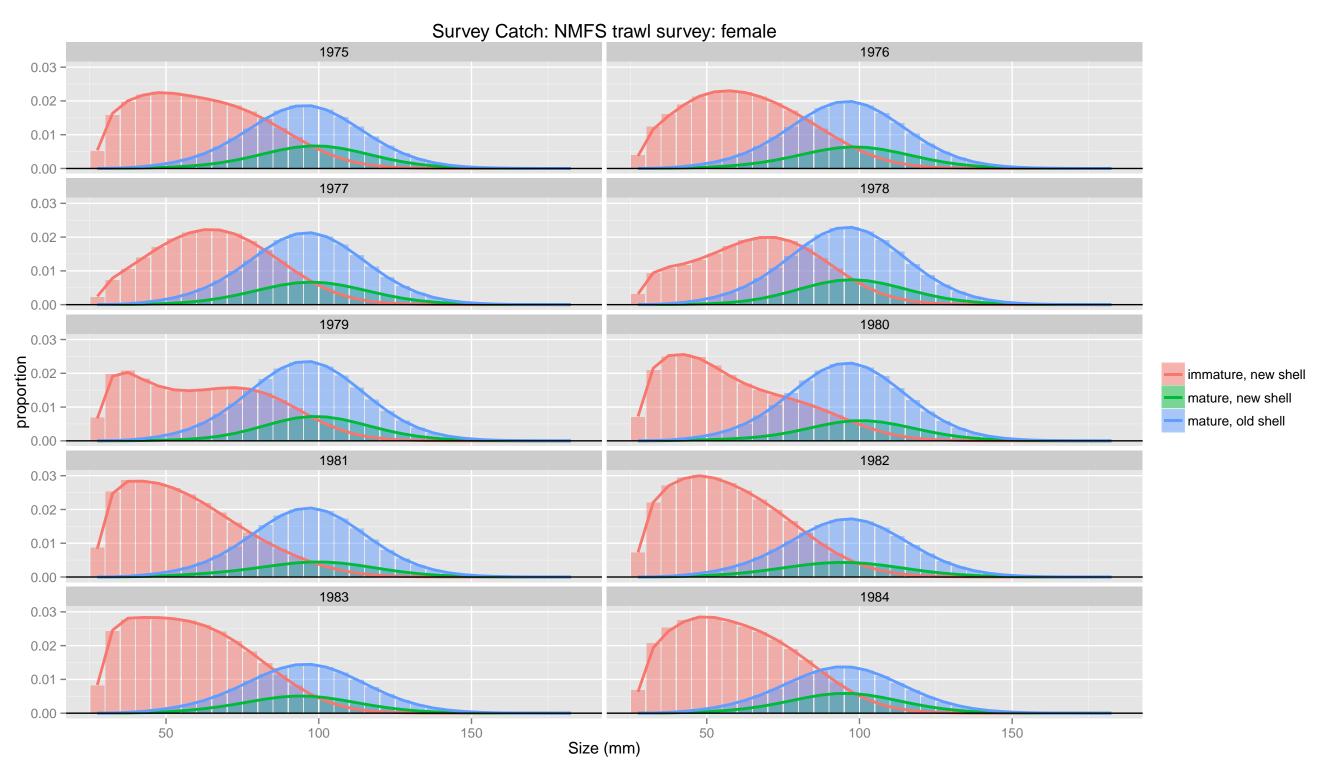


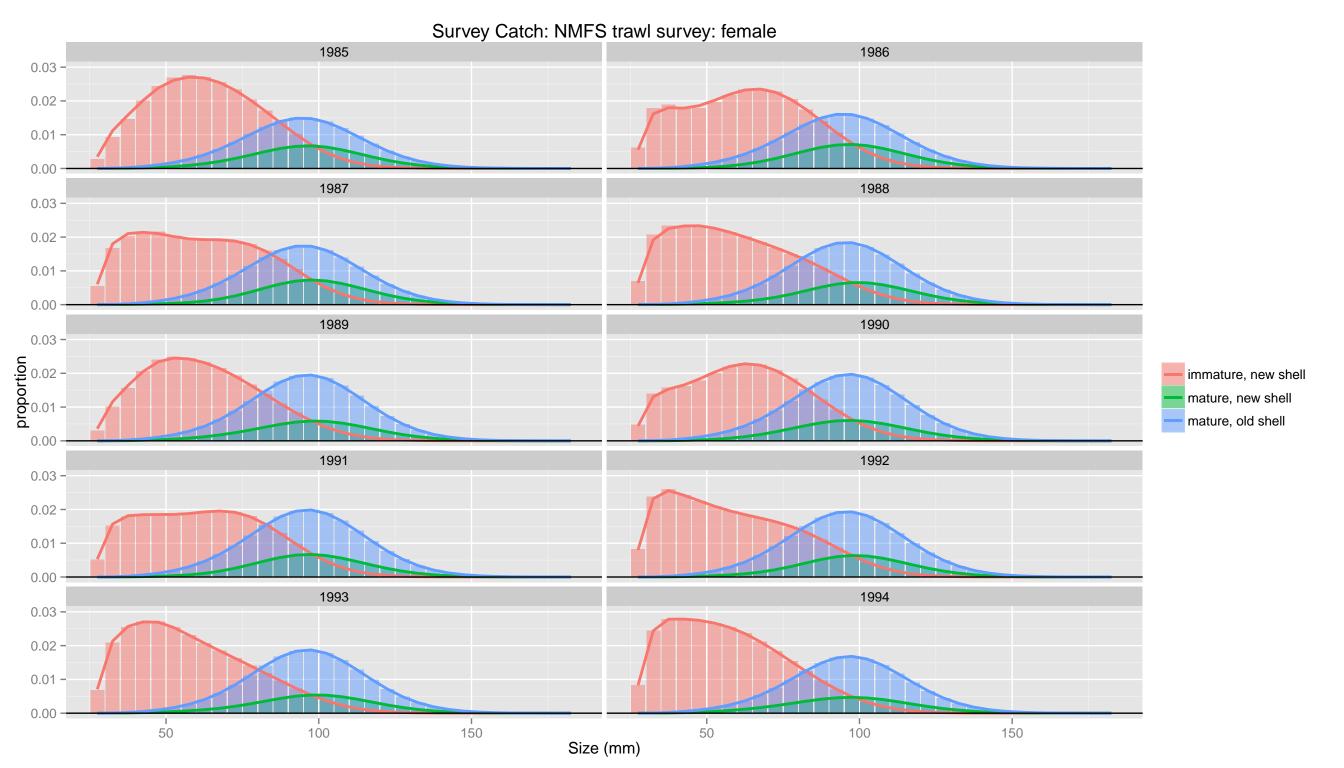
NMFS trawl survey male 90 -60 -30 -Survey Catch (millions) S new shell ▲ old shell female m immature mature 60 -30 -0 -1990 1980 2000 2010

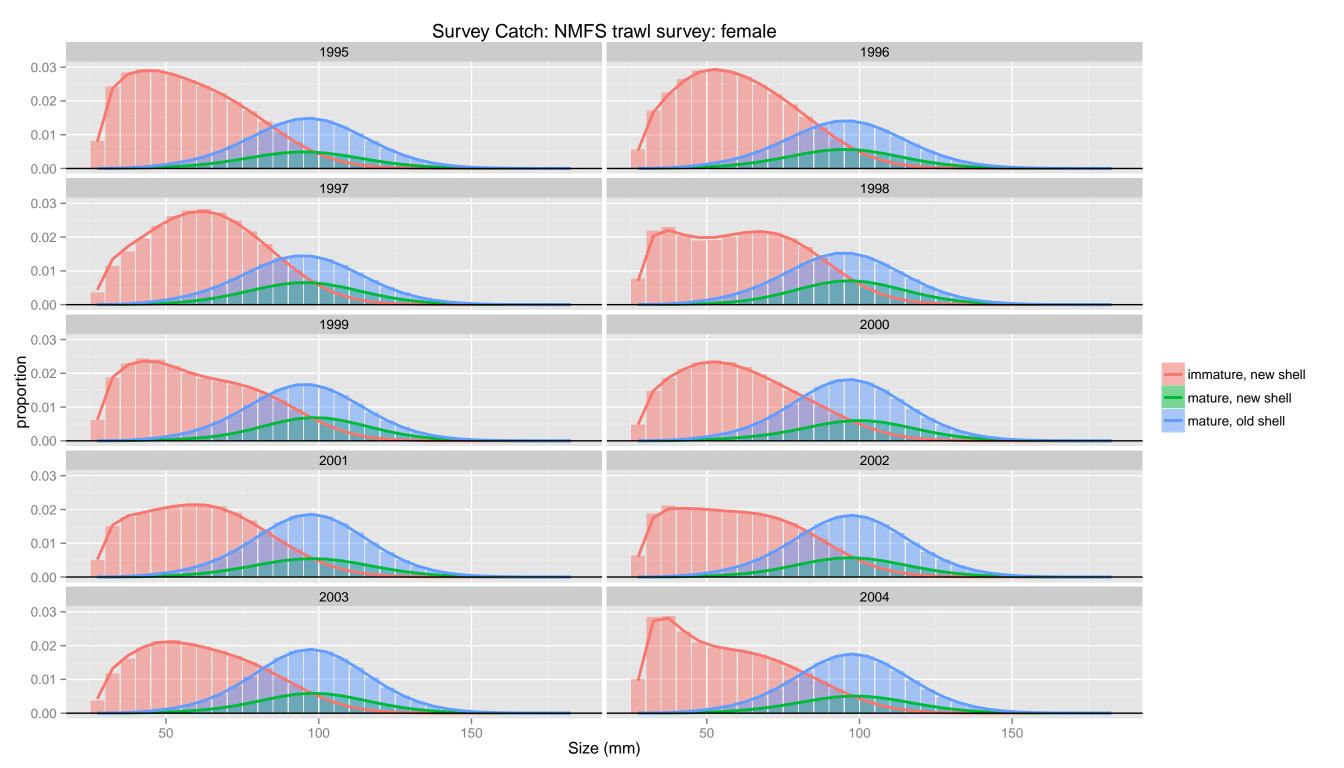


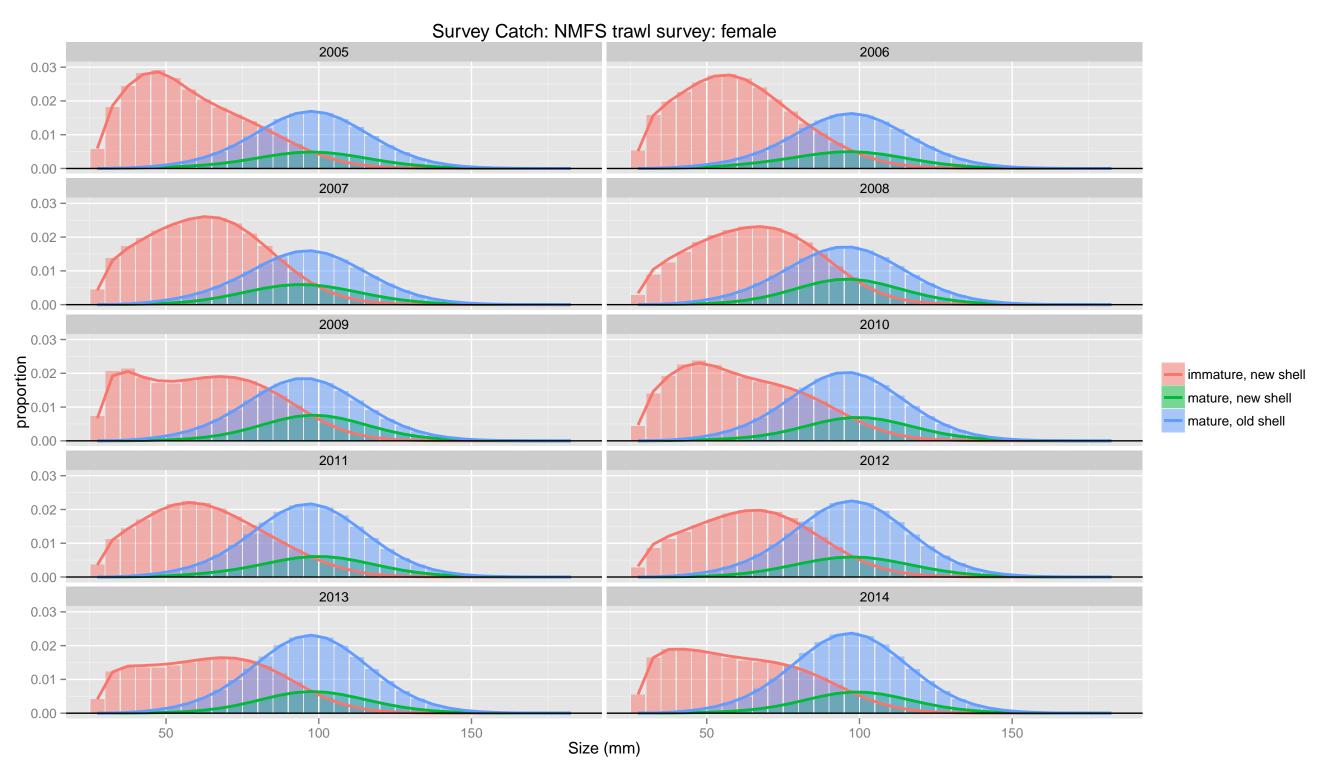
NMFS trawl survey male 60 -40 -Survey Catch (thousands mt) S new shell ▲ old shell female m immature mature 40 -20 -0 -1980 1990 2000 2010

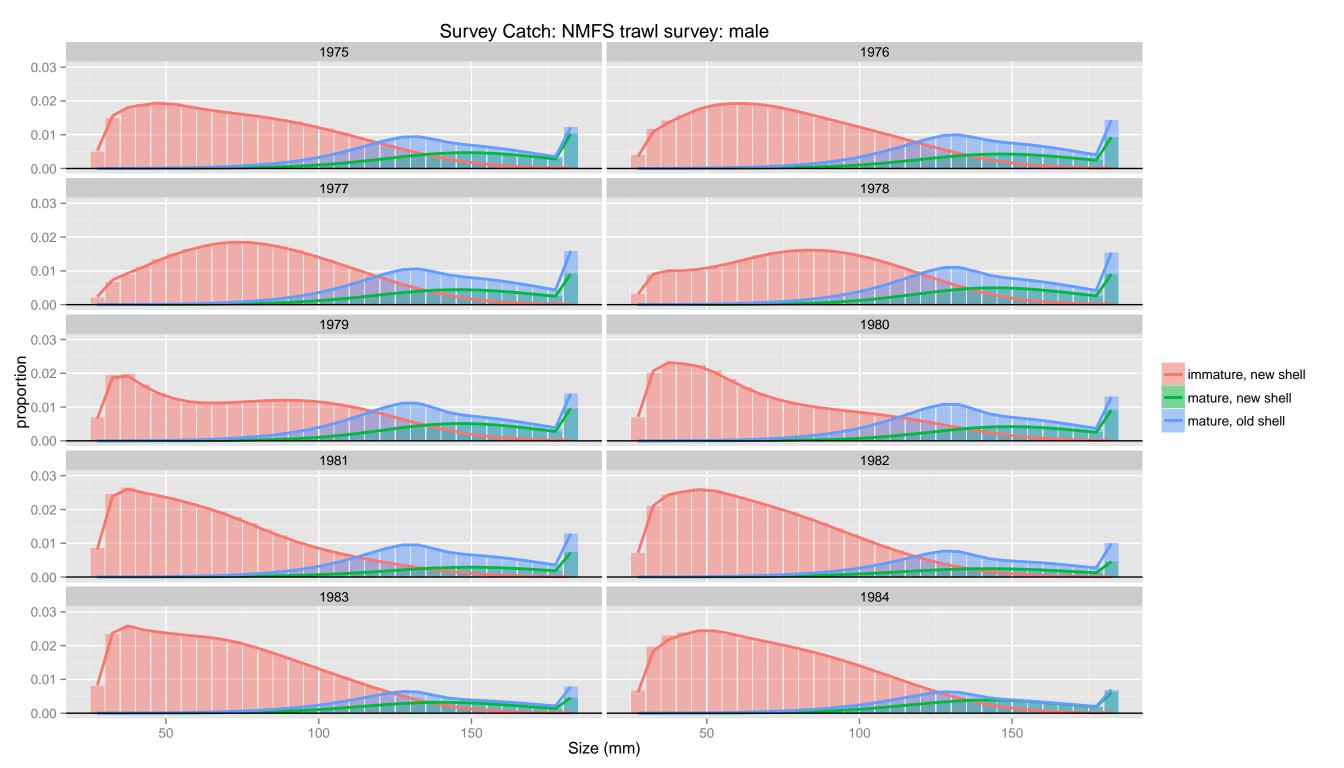


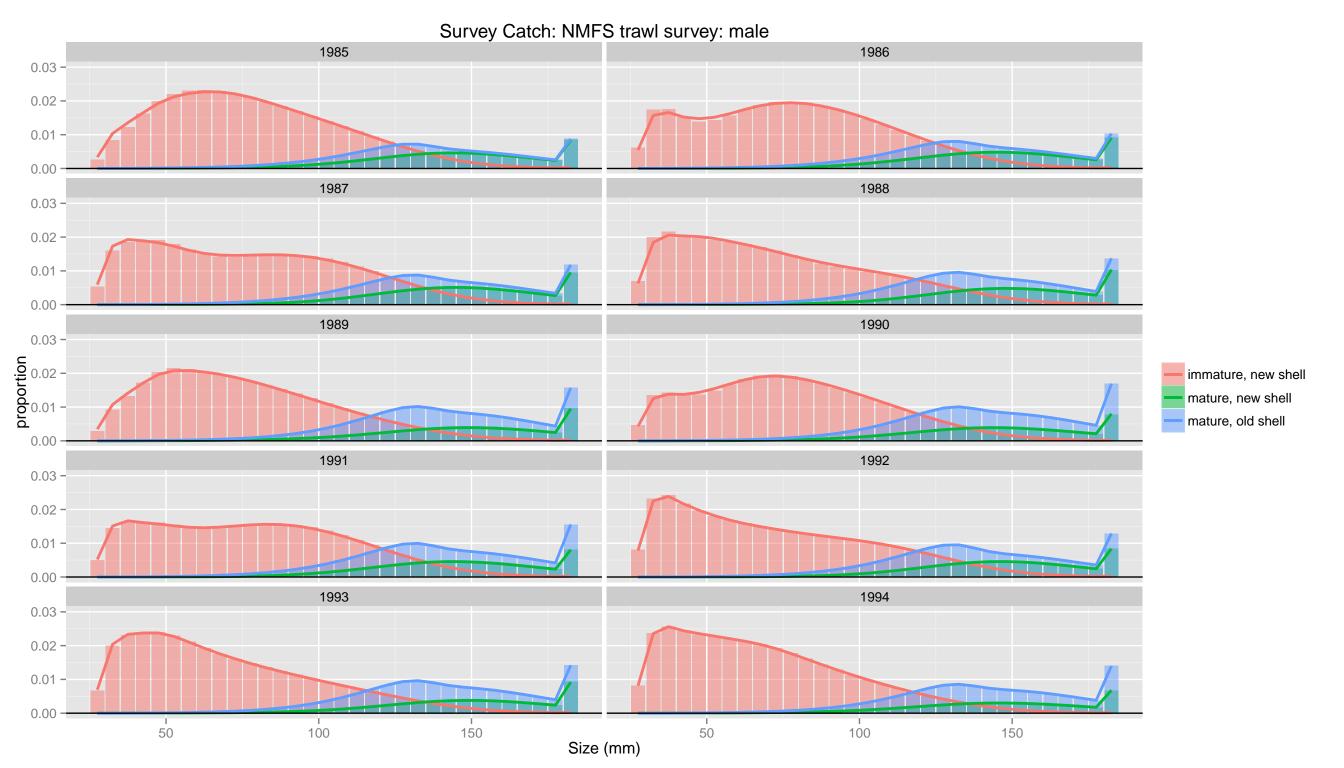


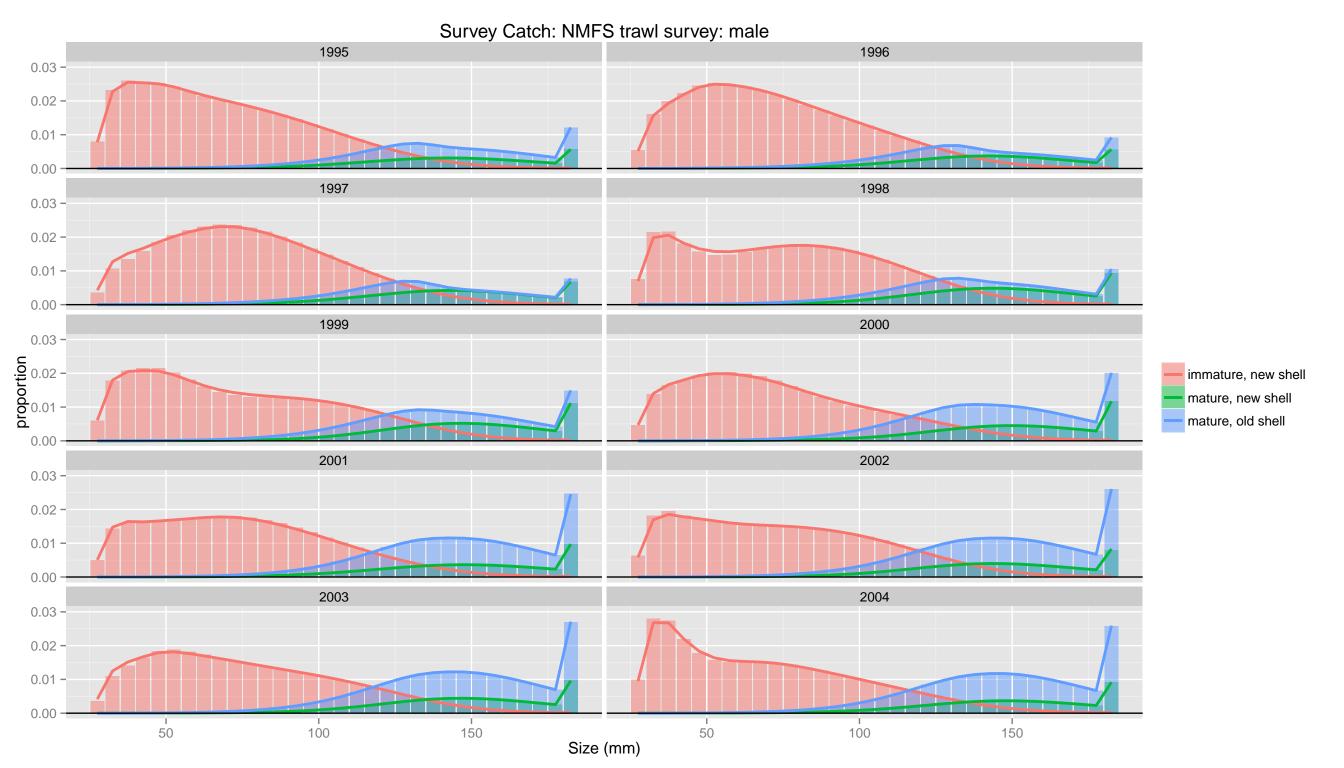


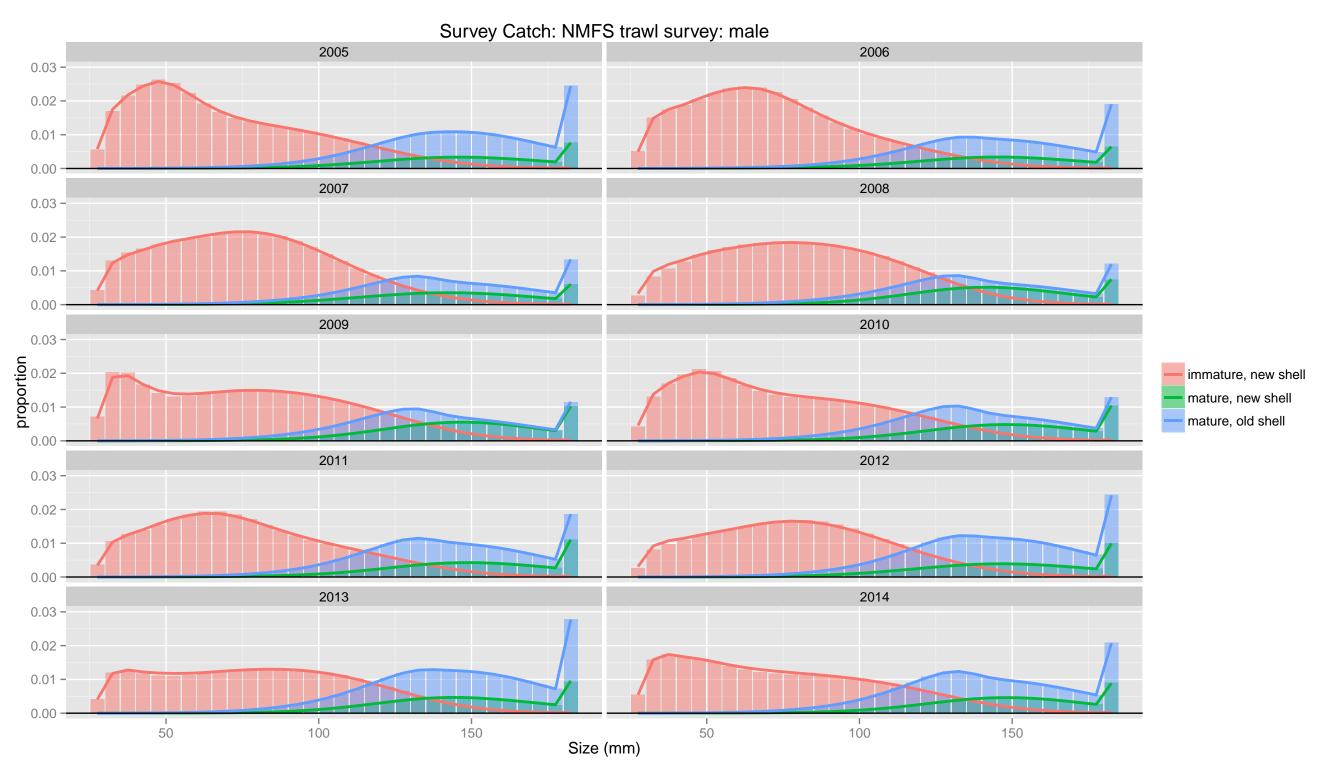


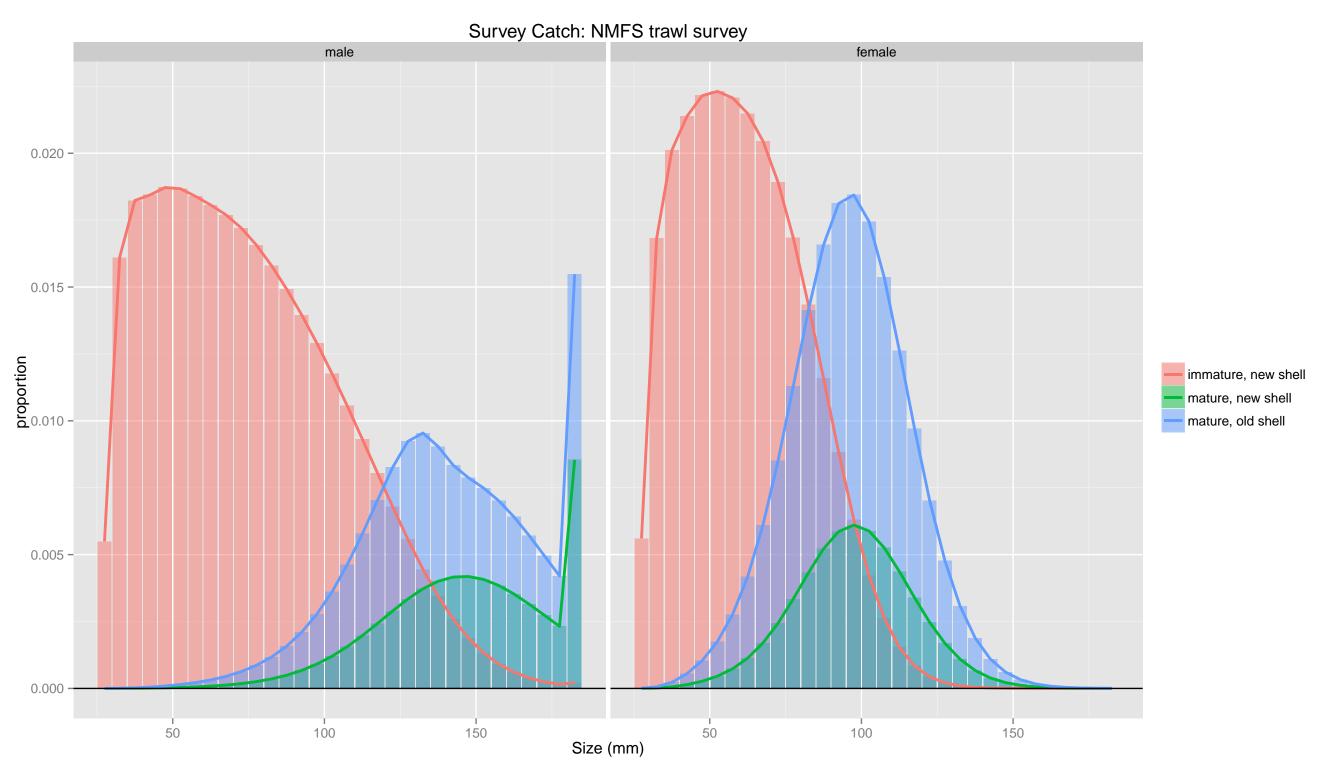


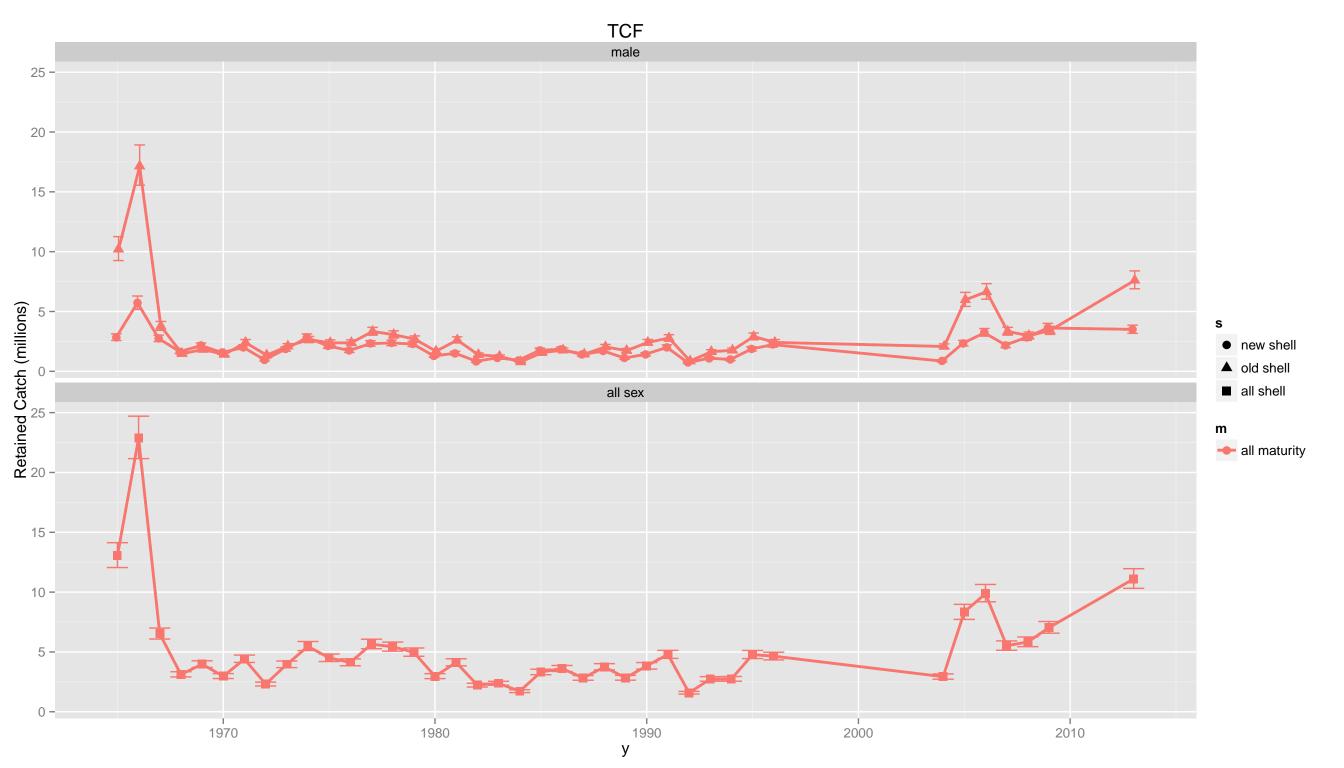


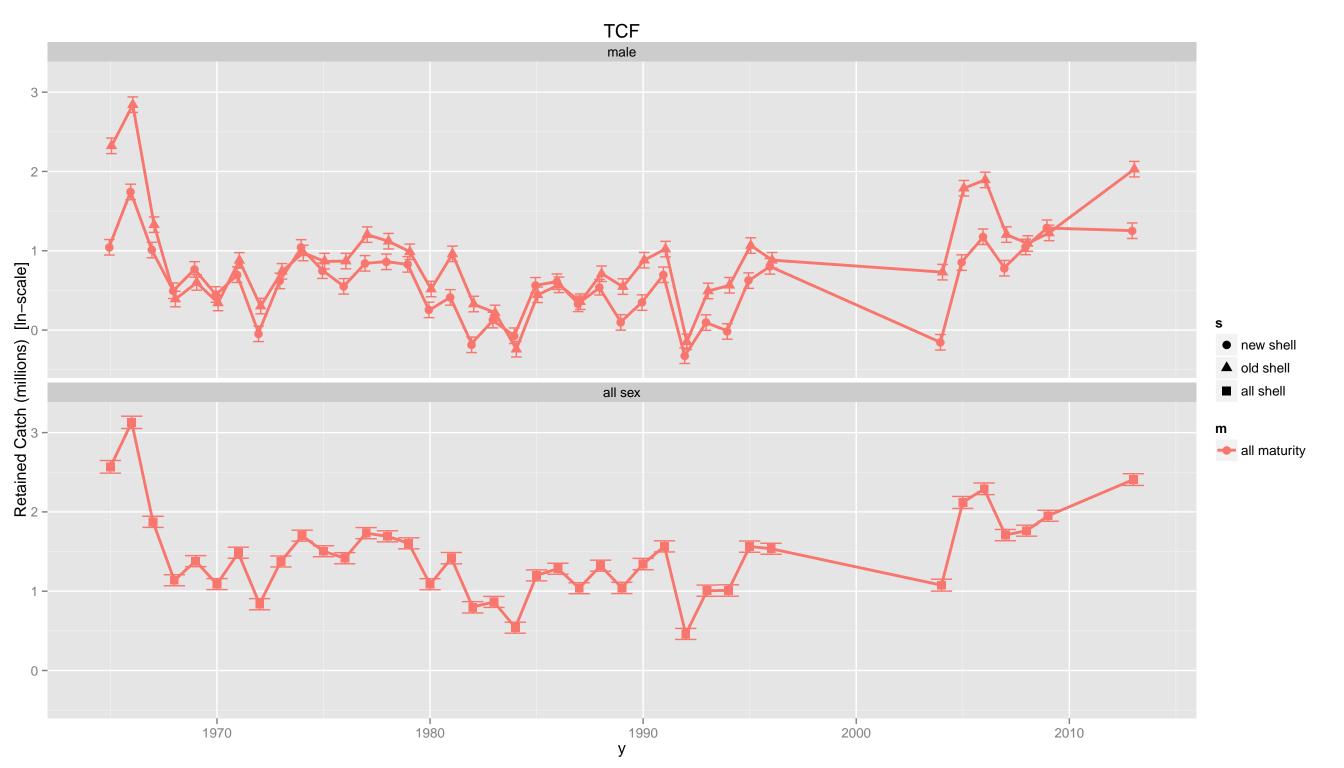


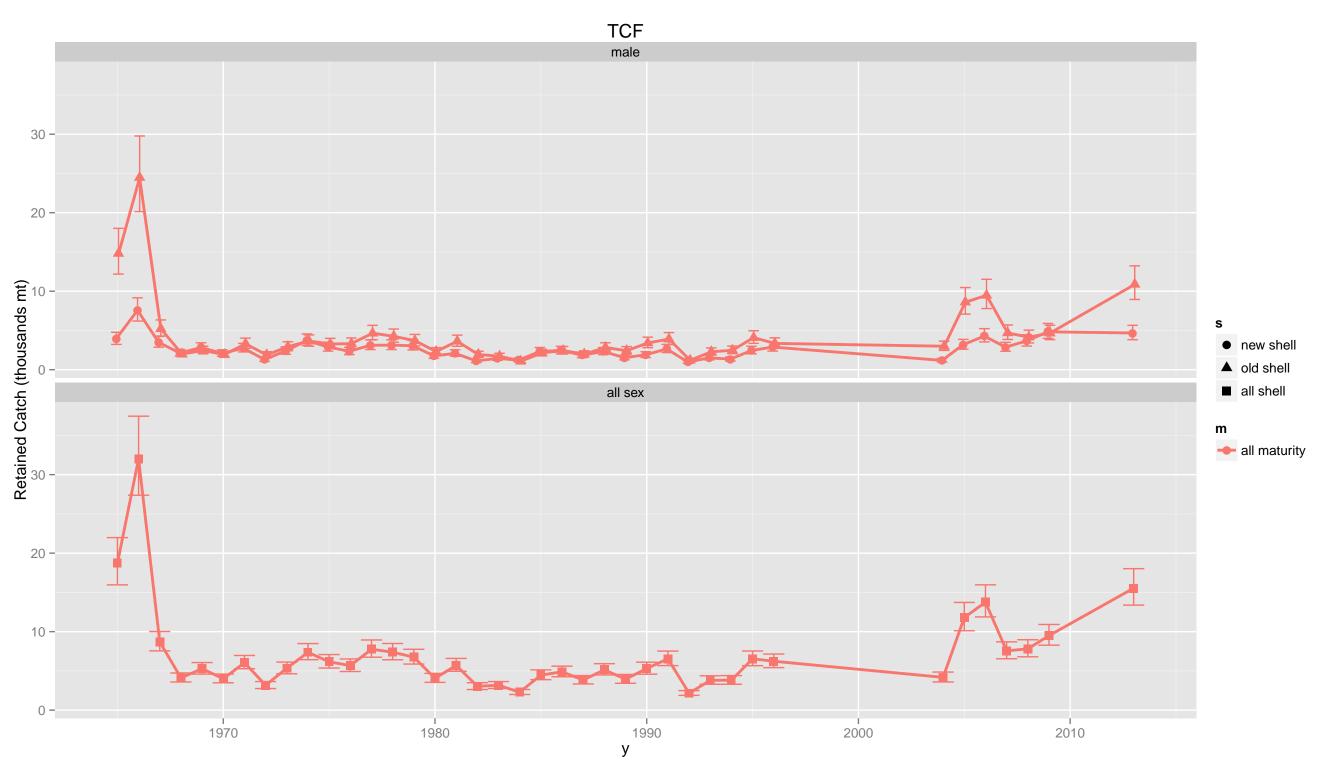


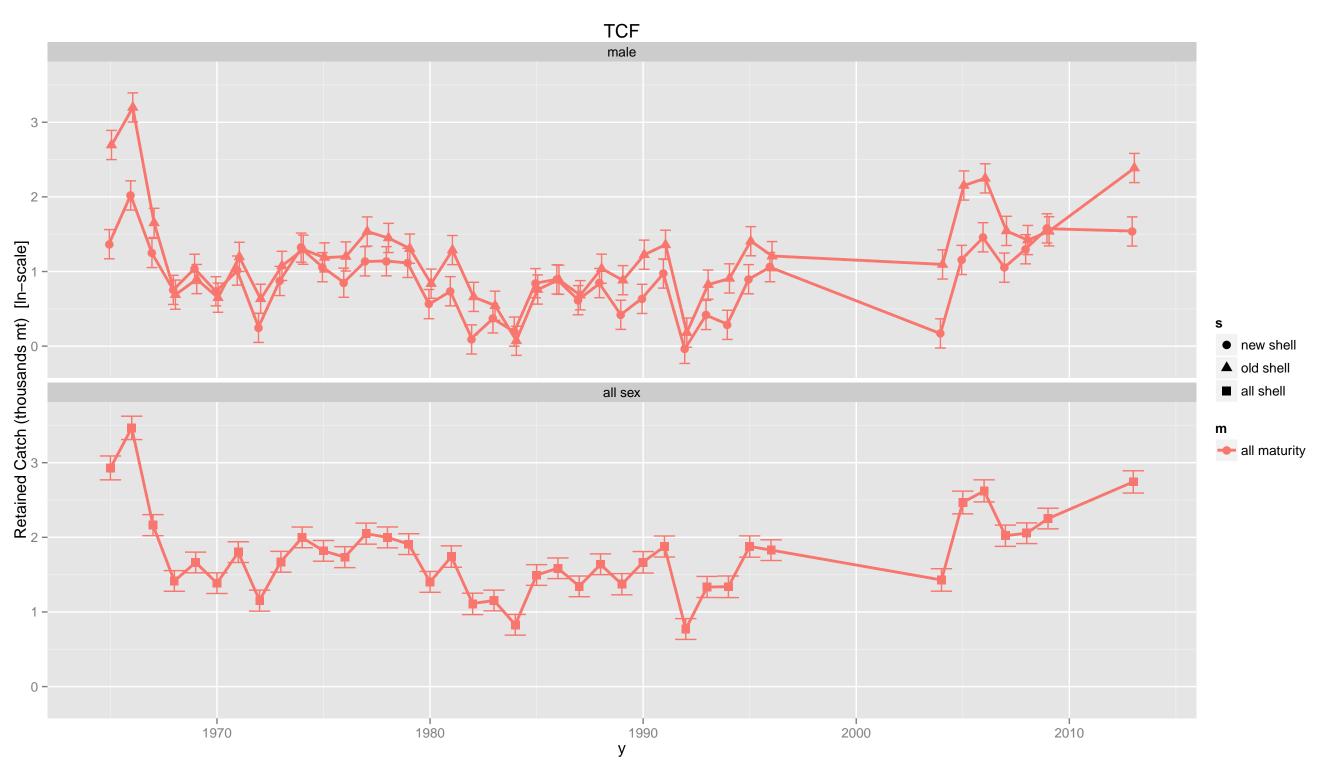


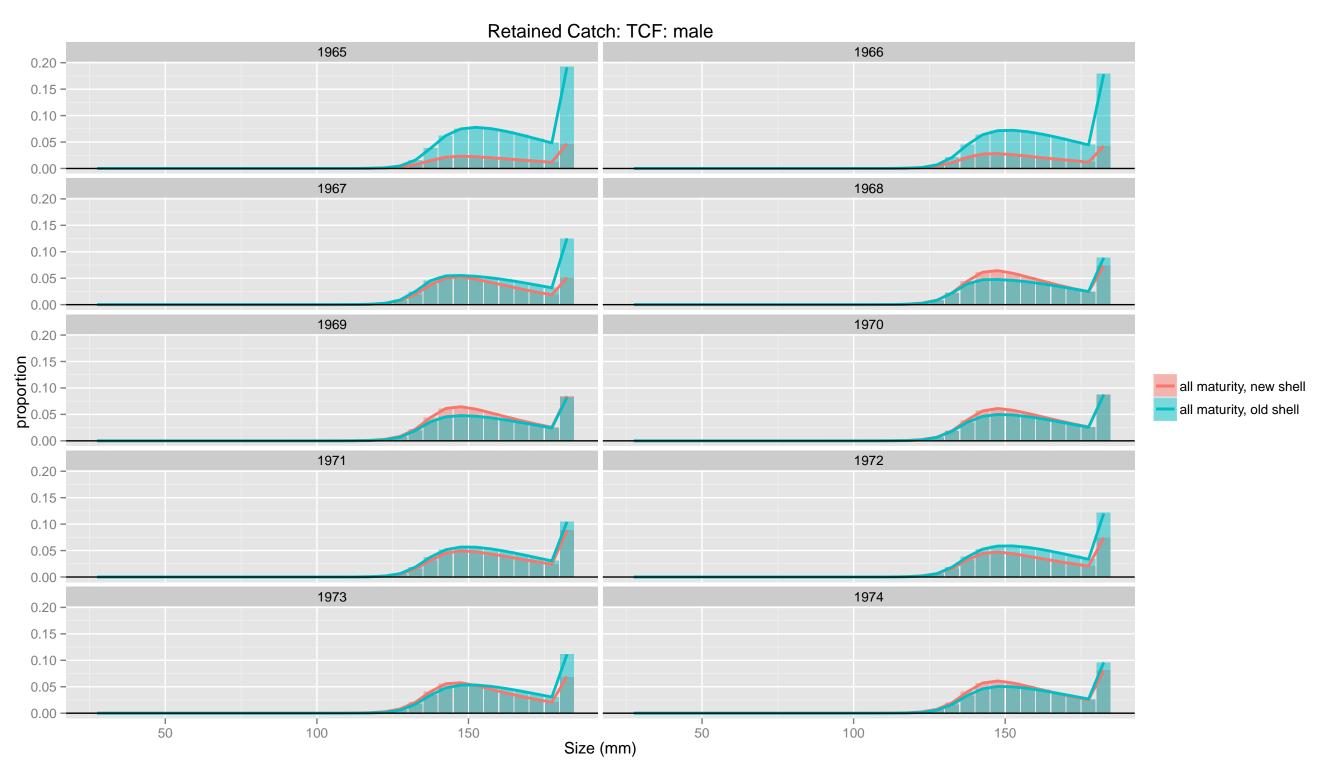




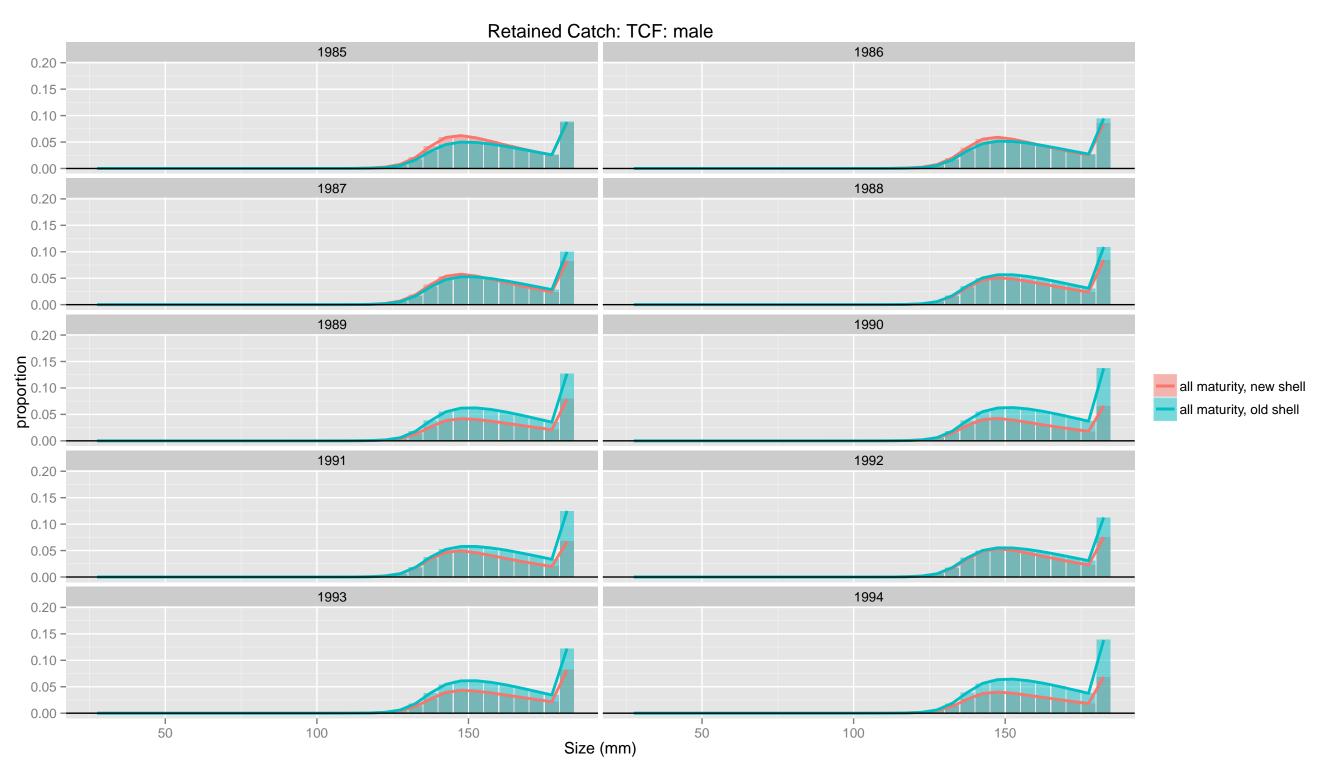


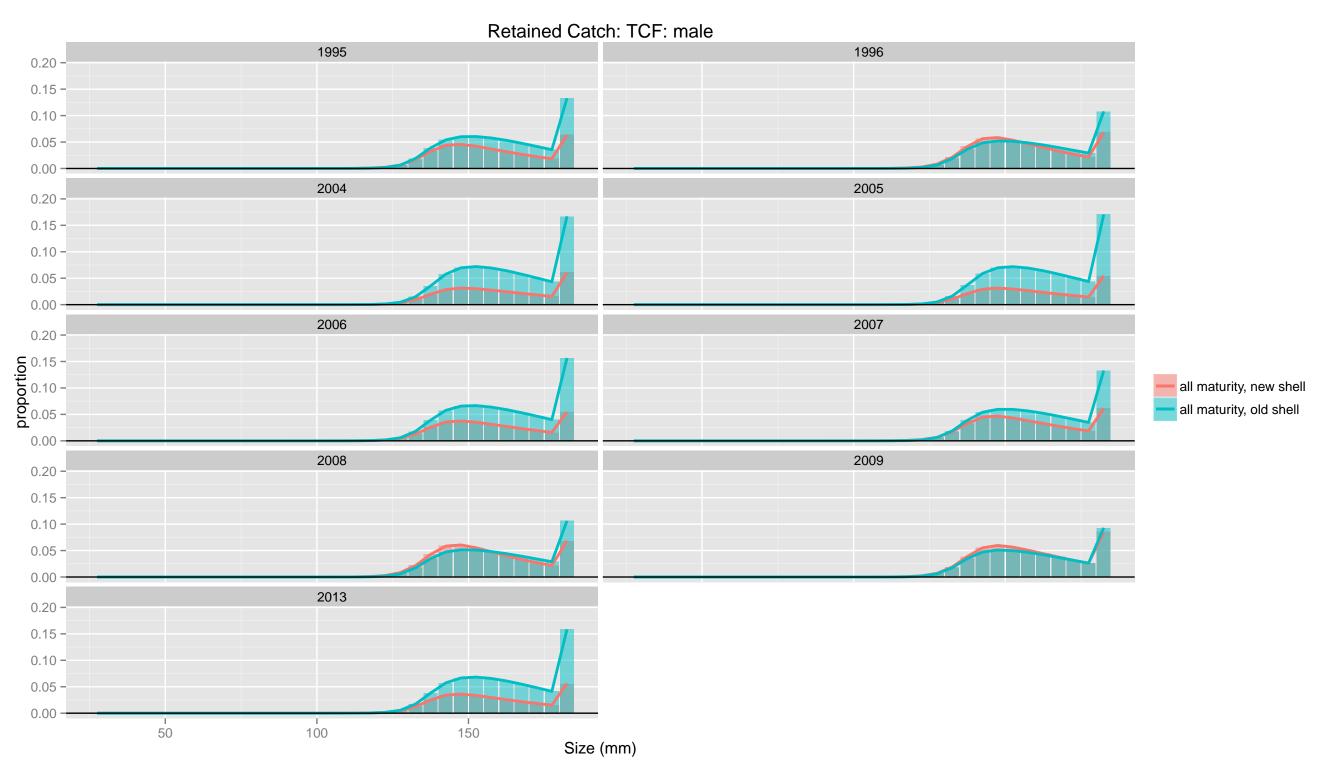


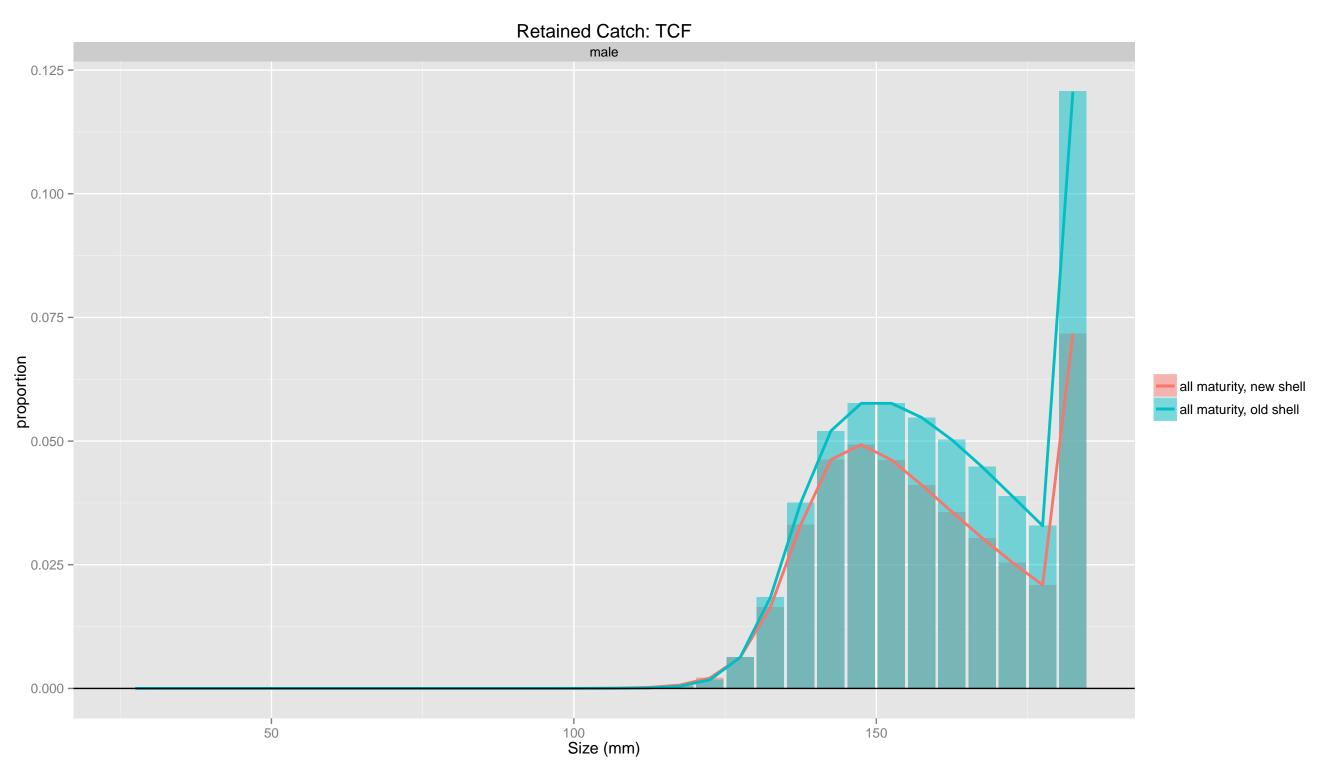


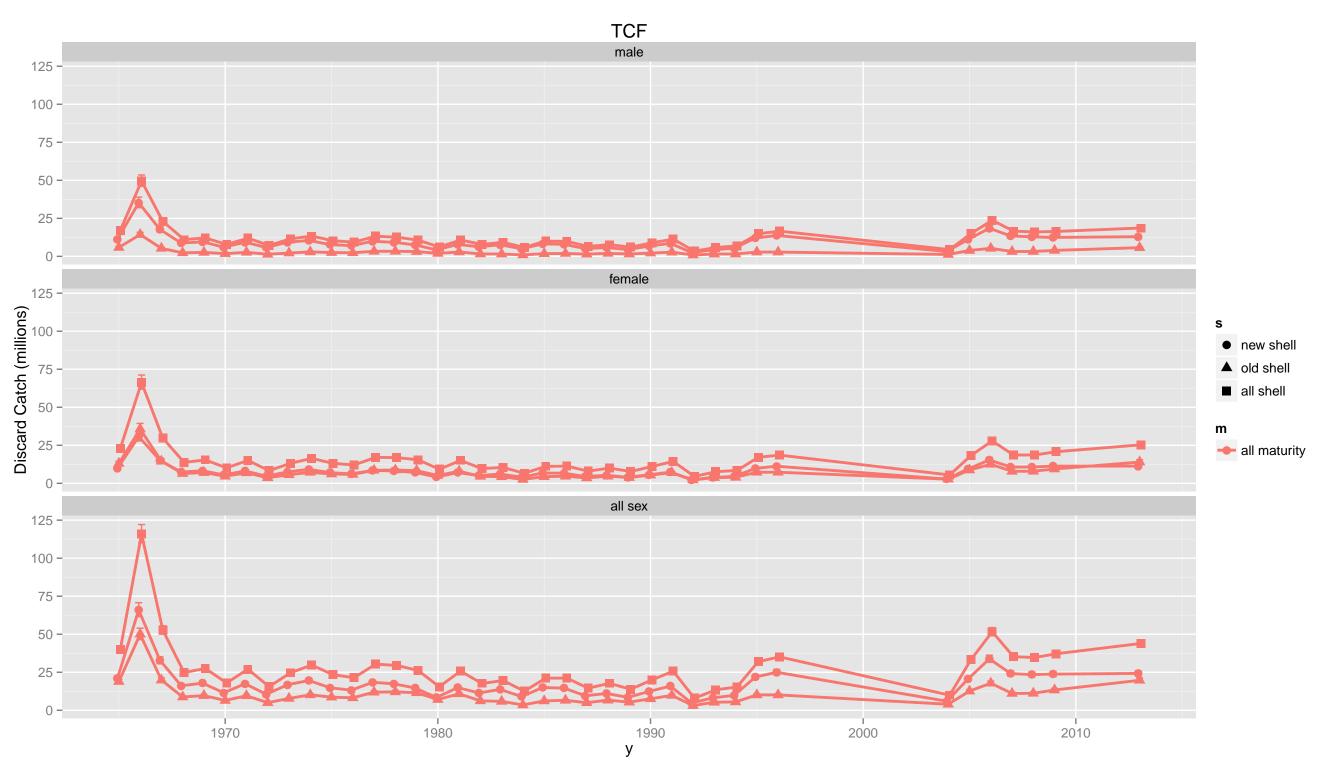


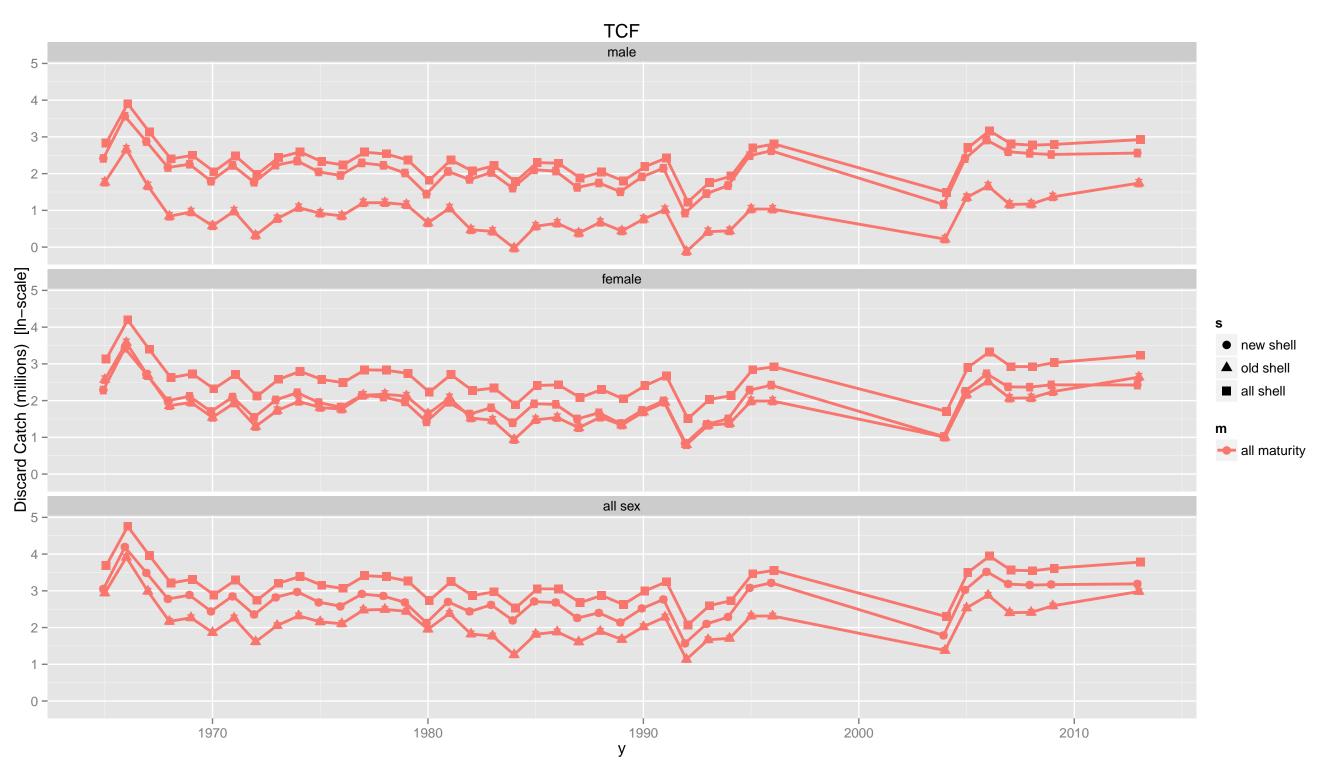


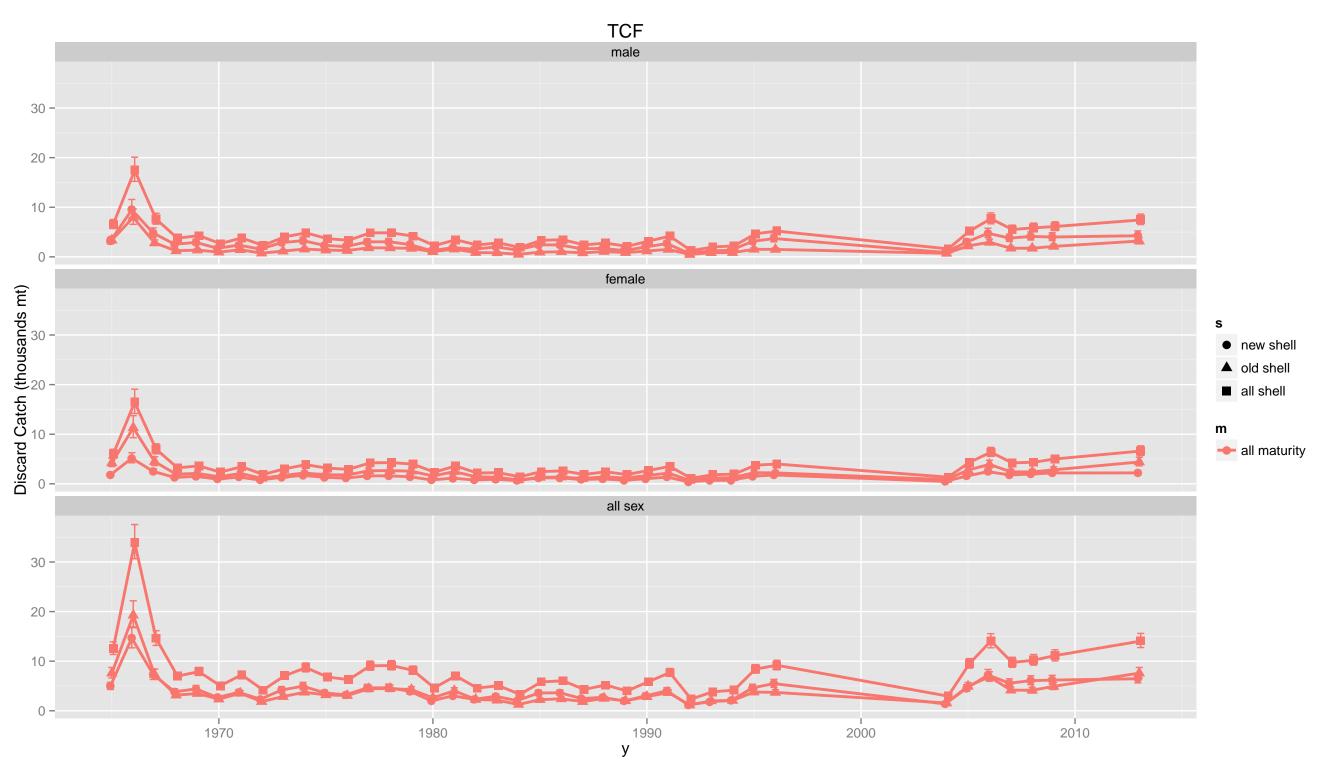


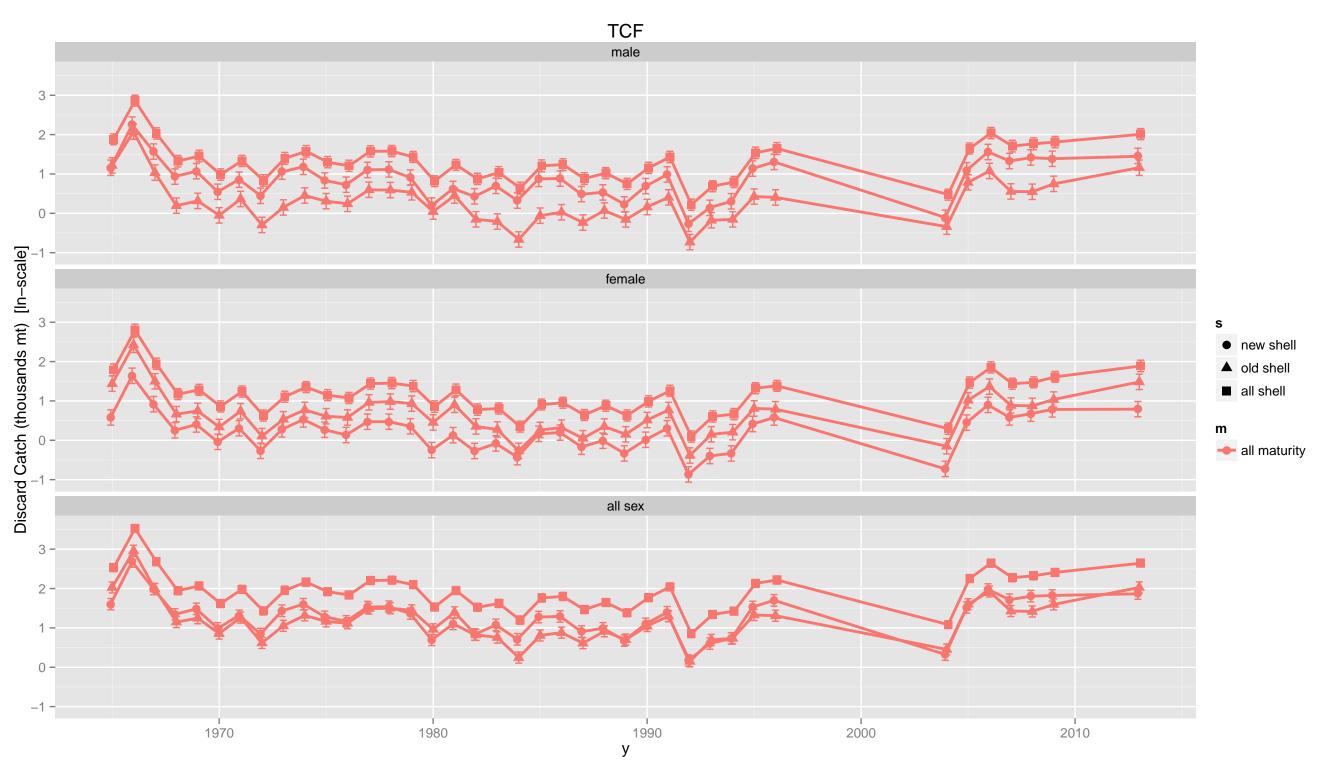


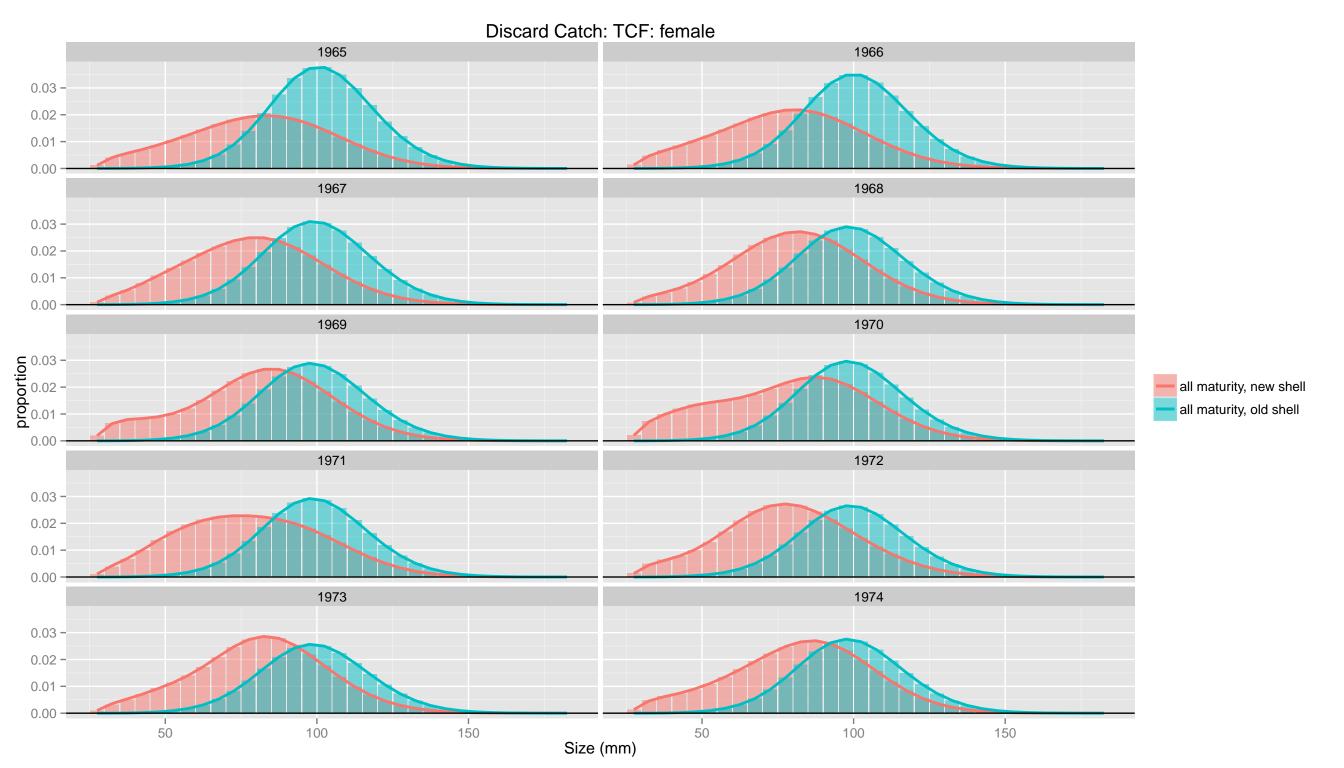


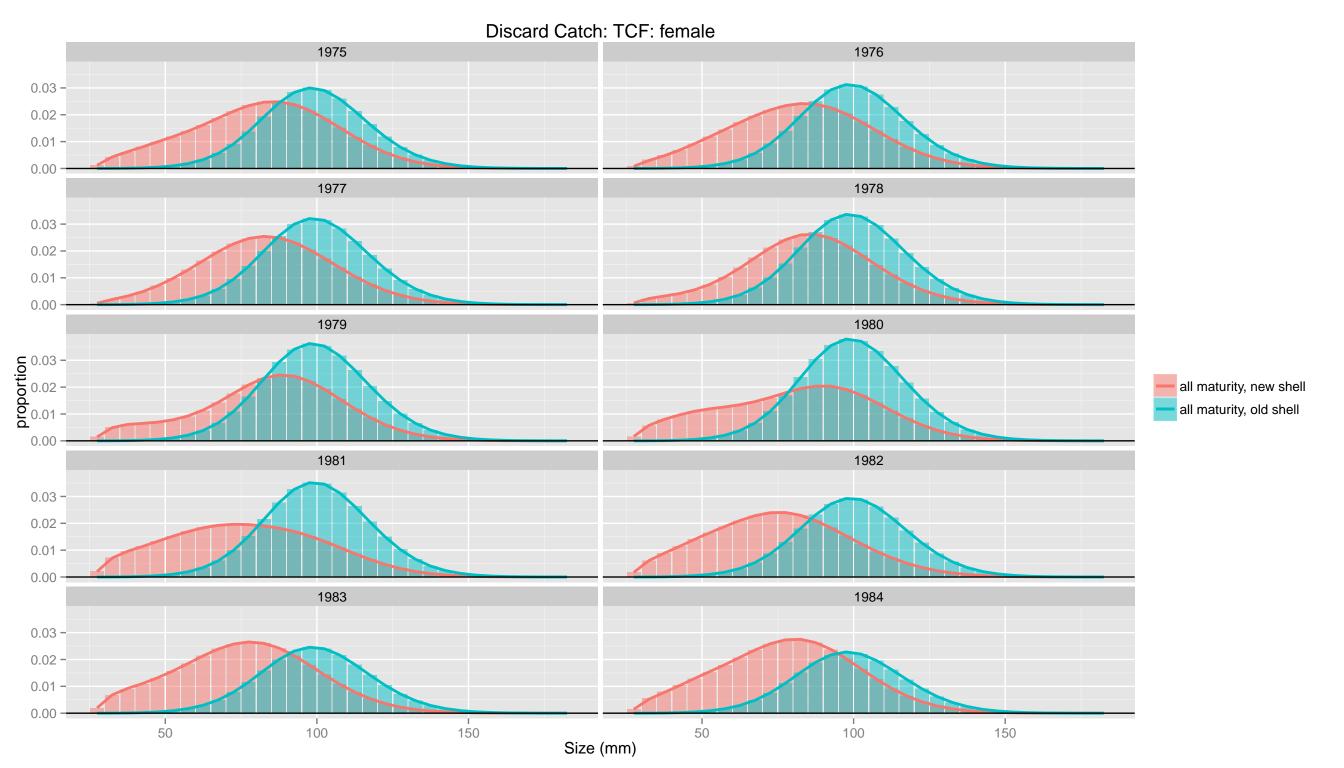


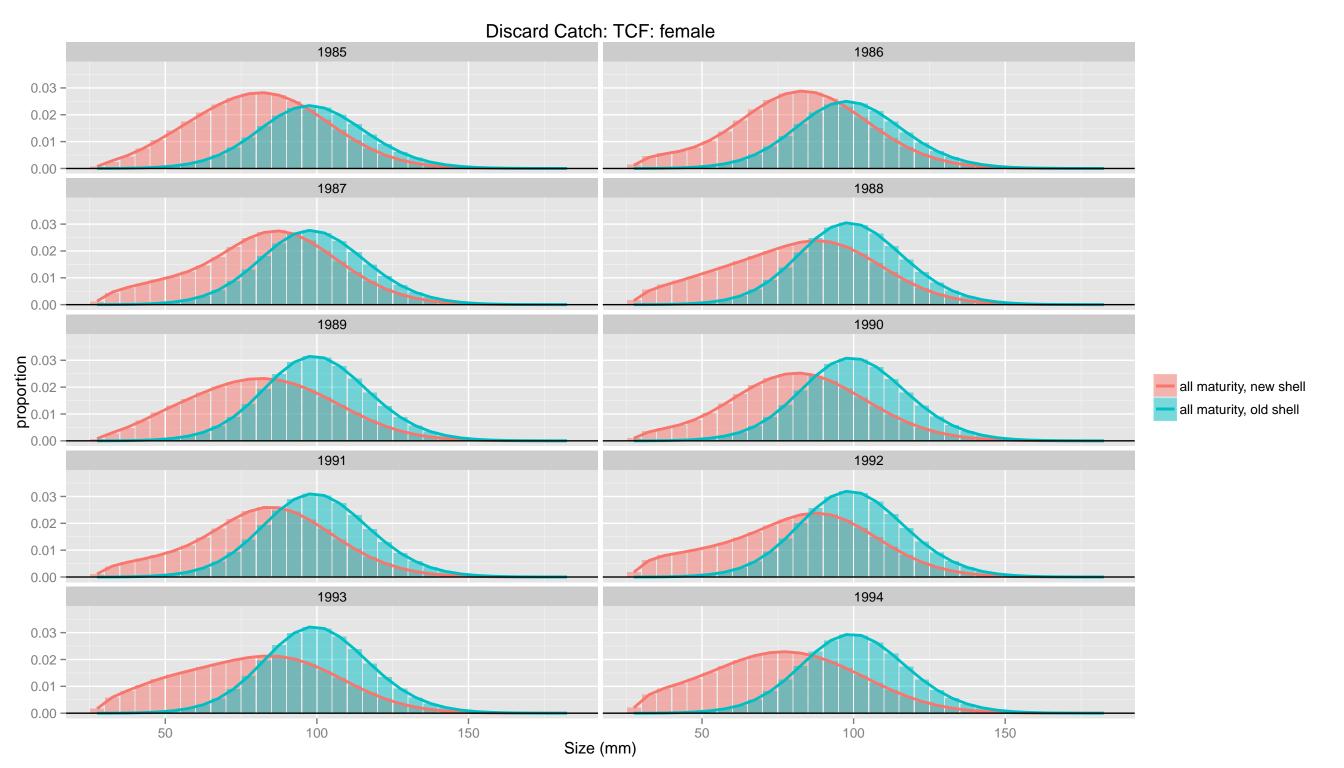


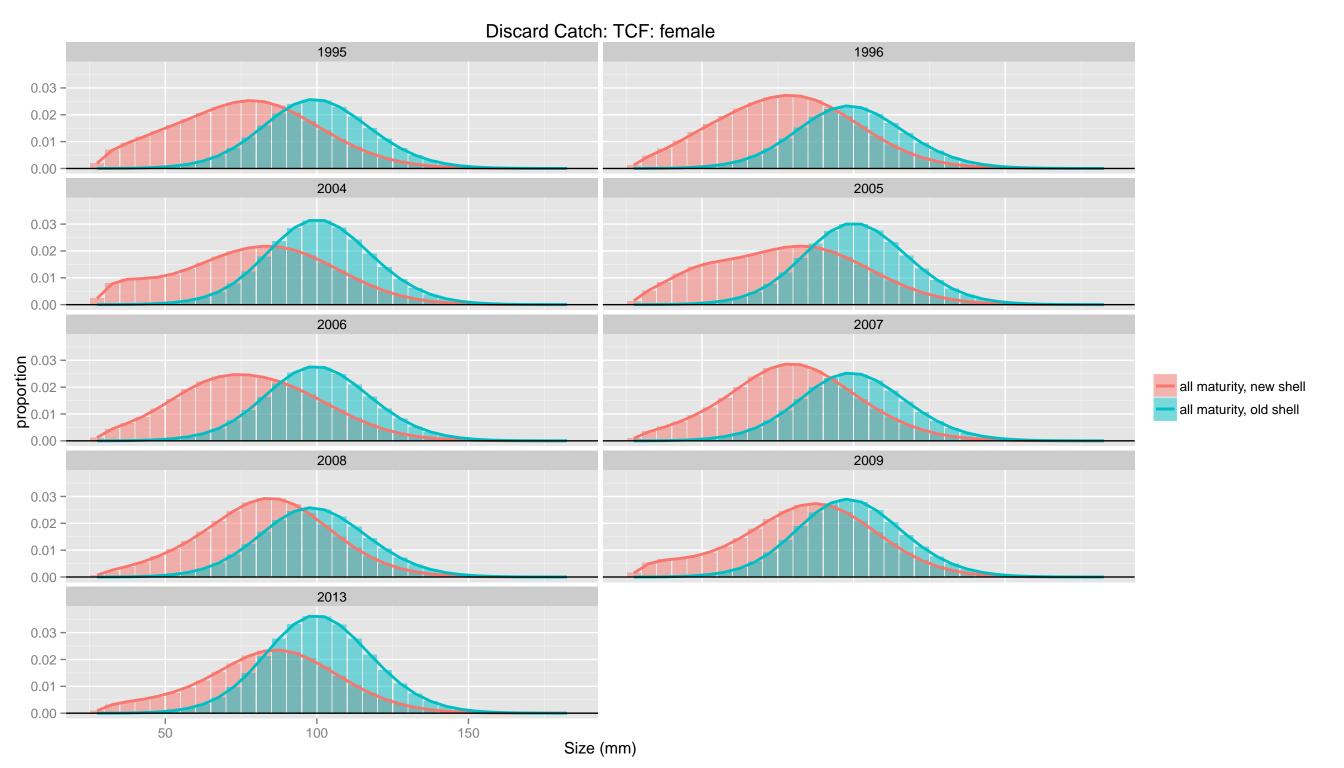


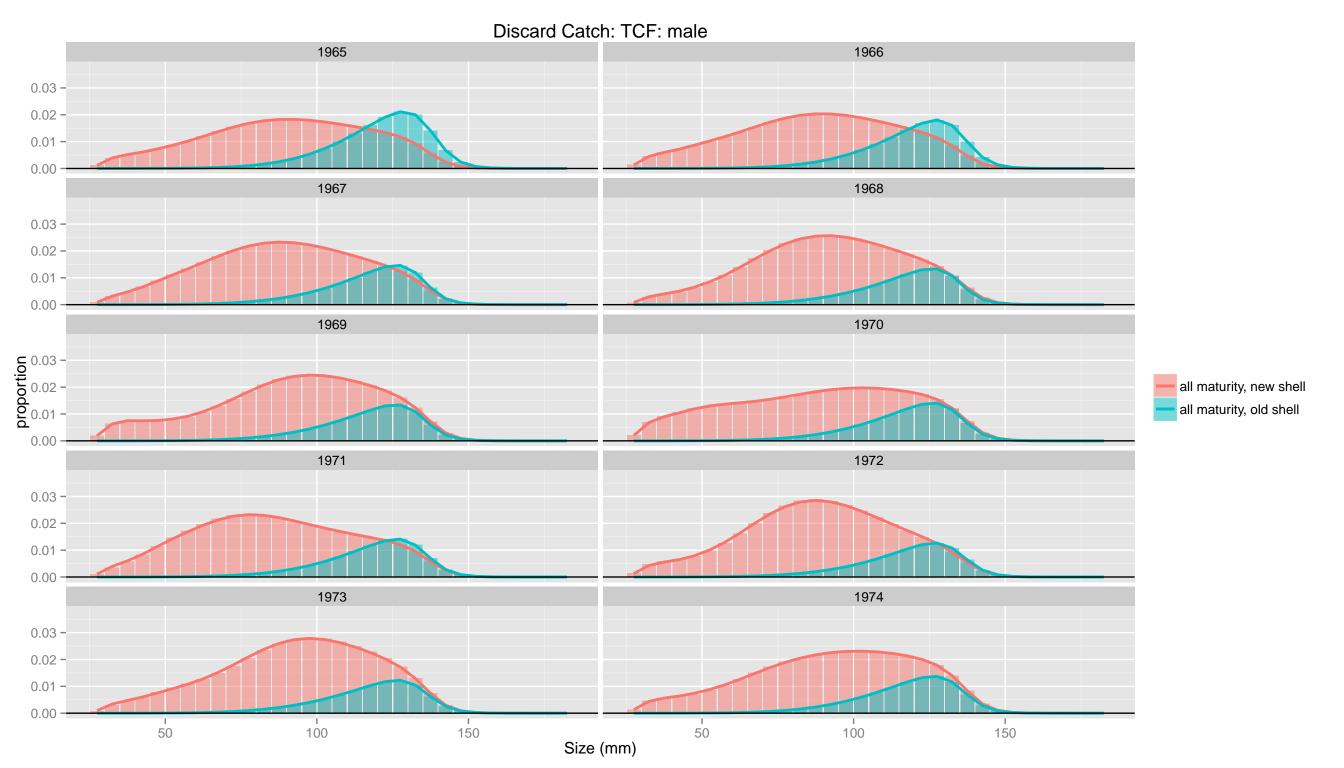


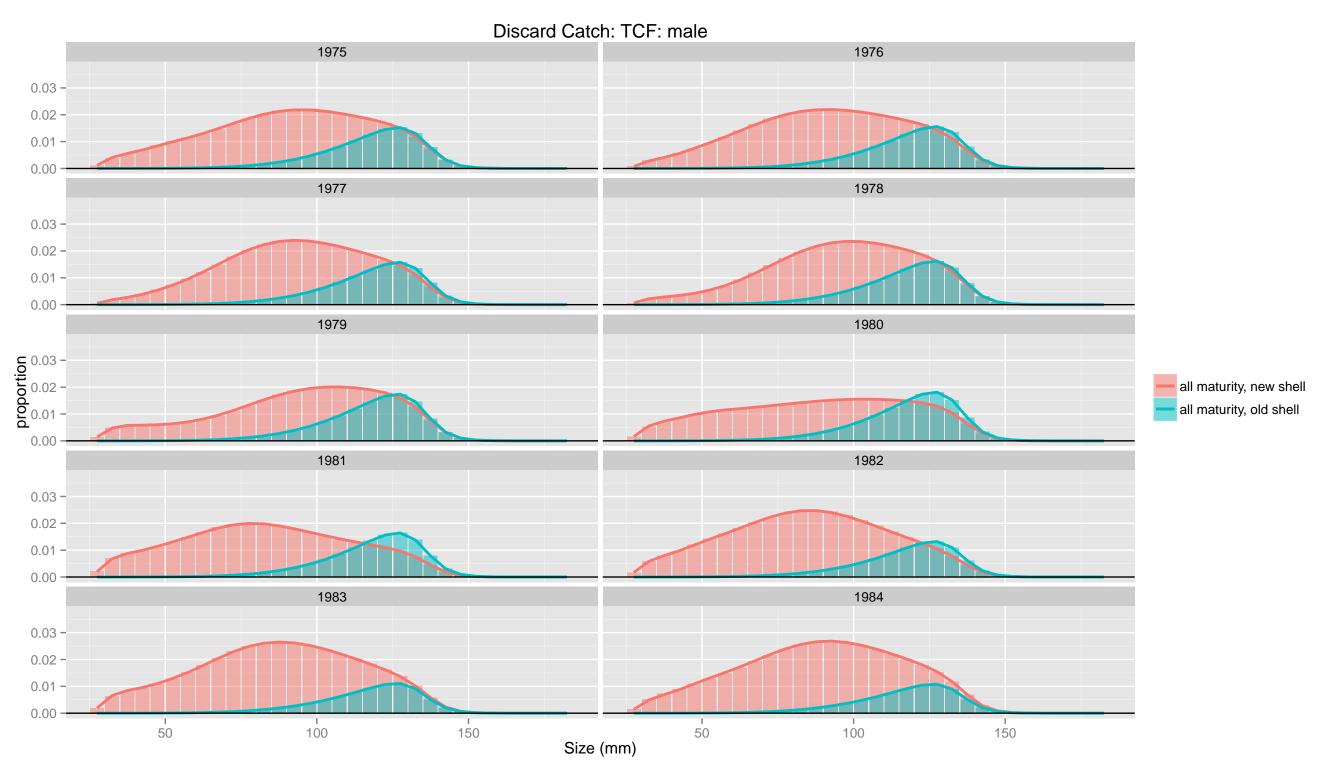


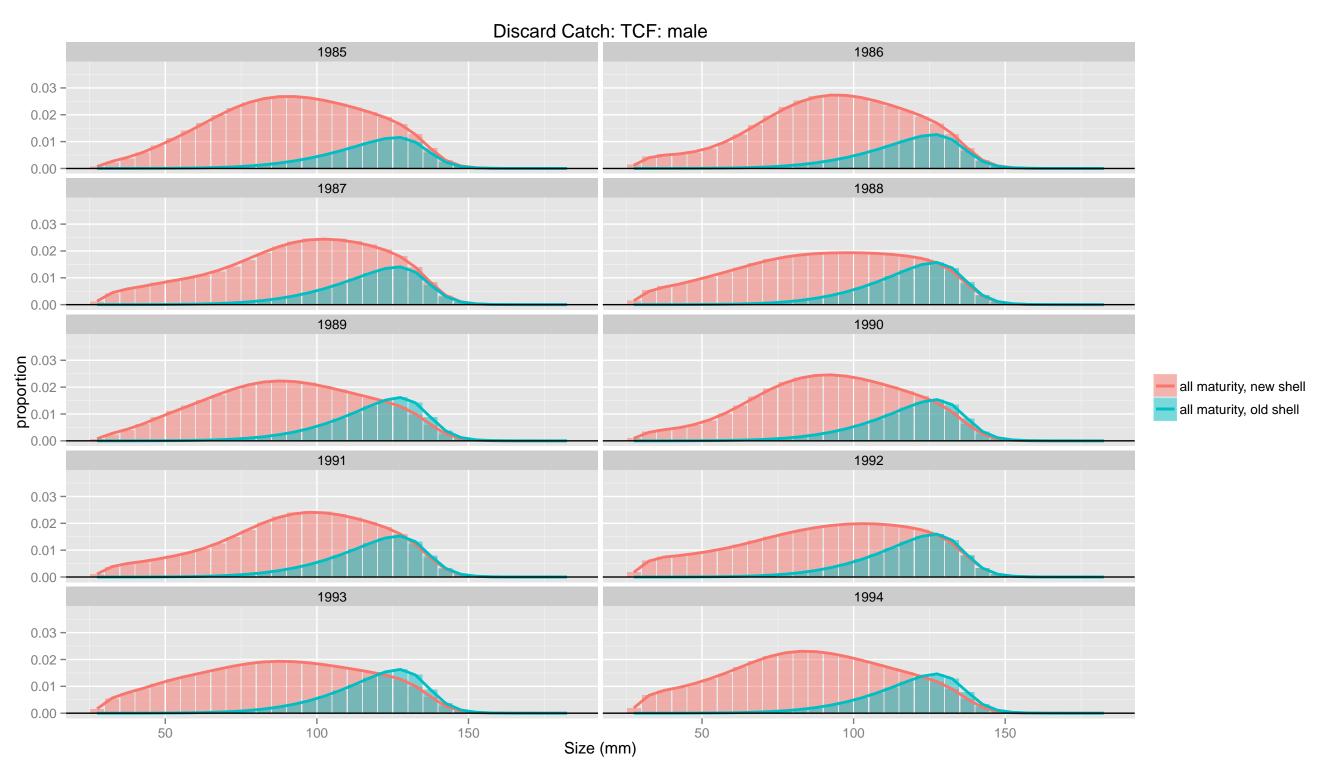


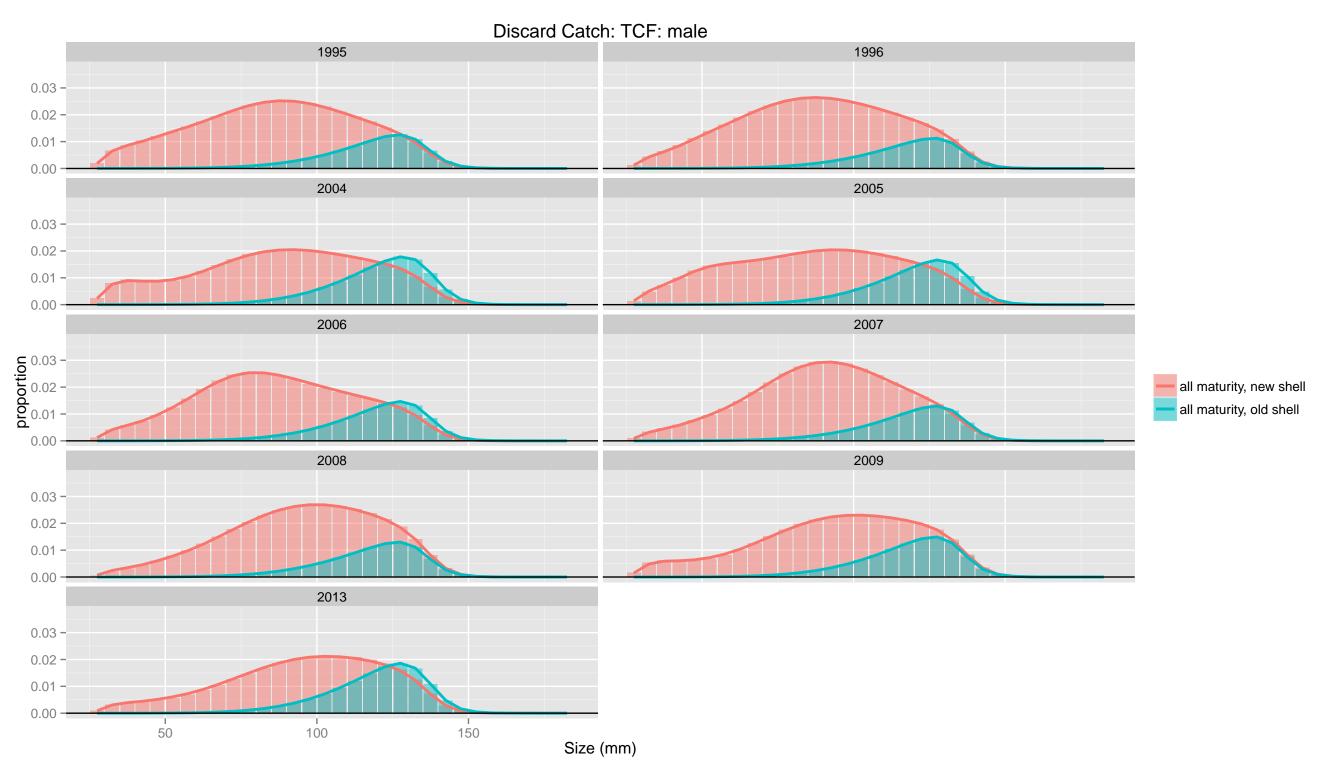


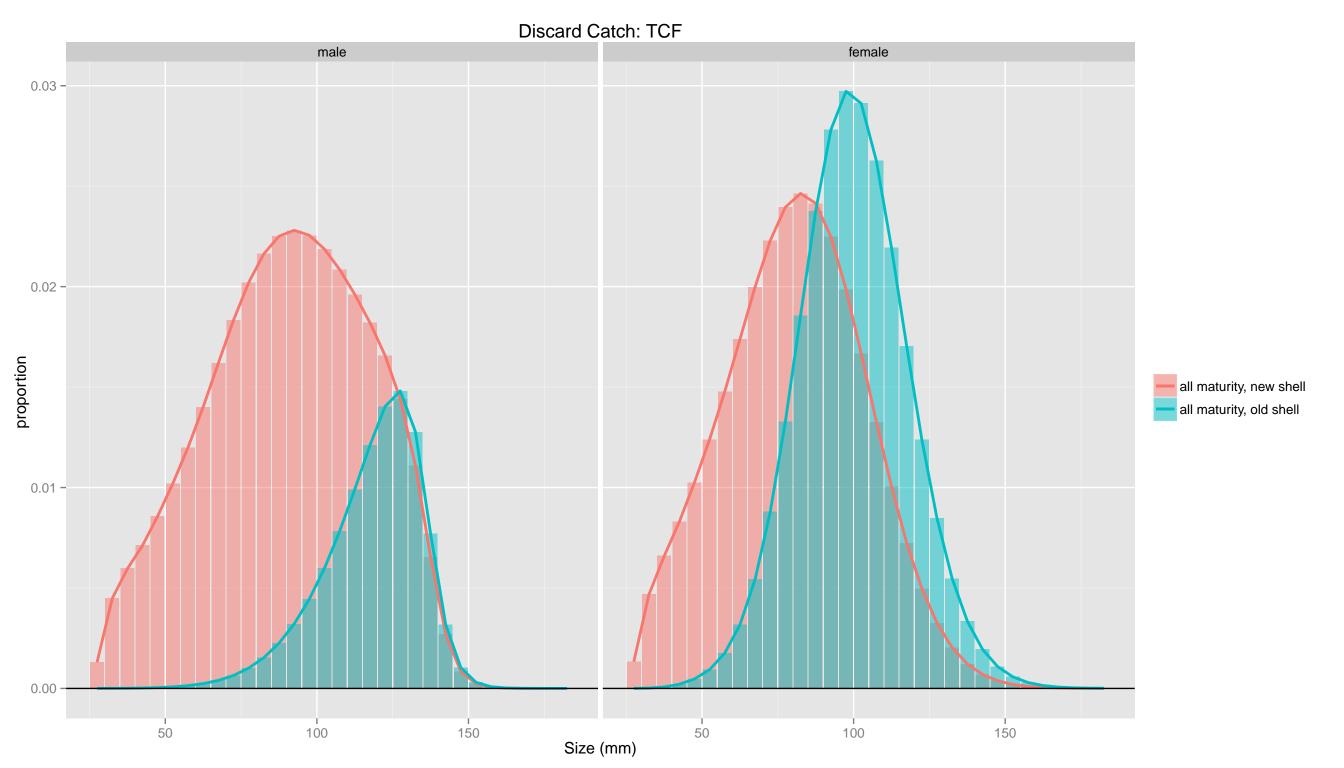


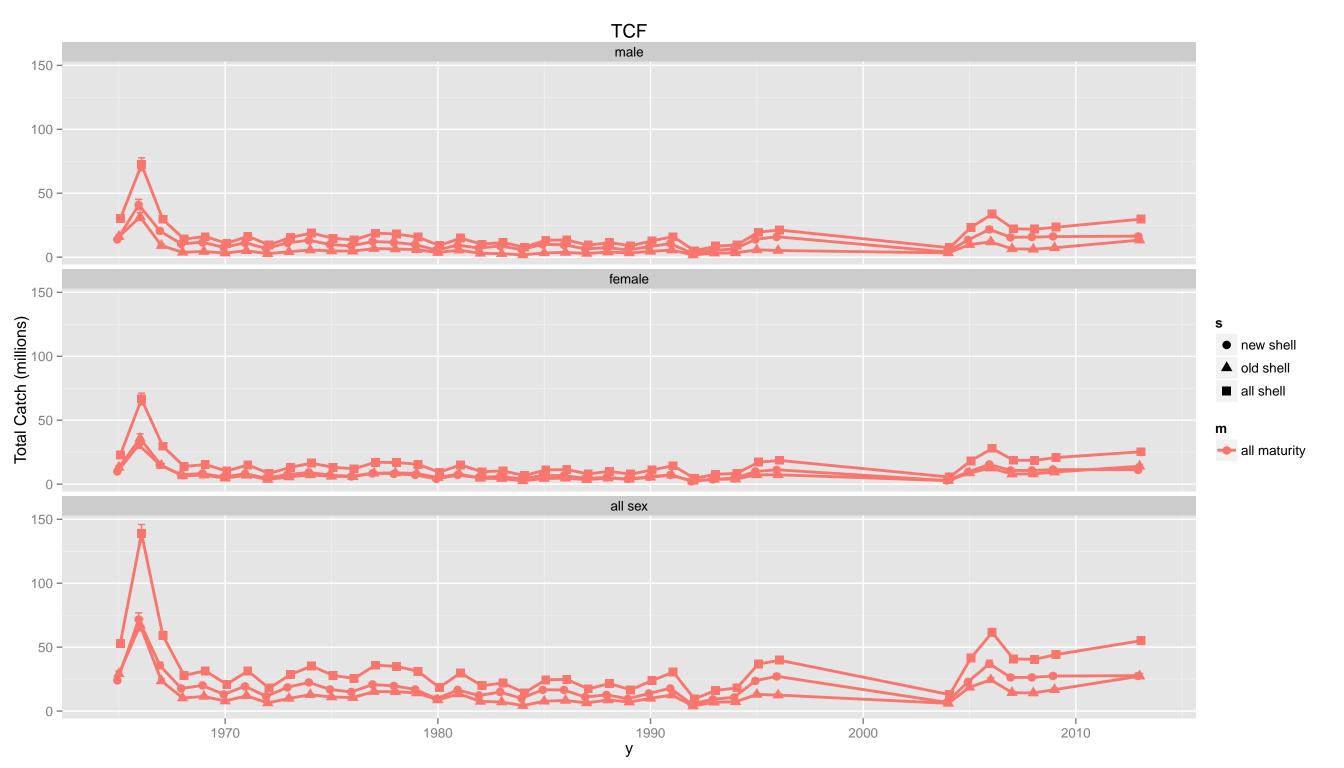


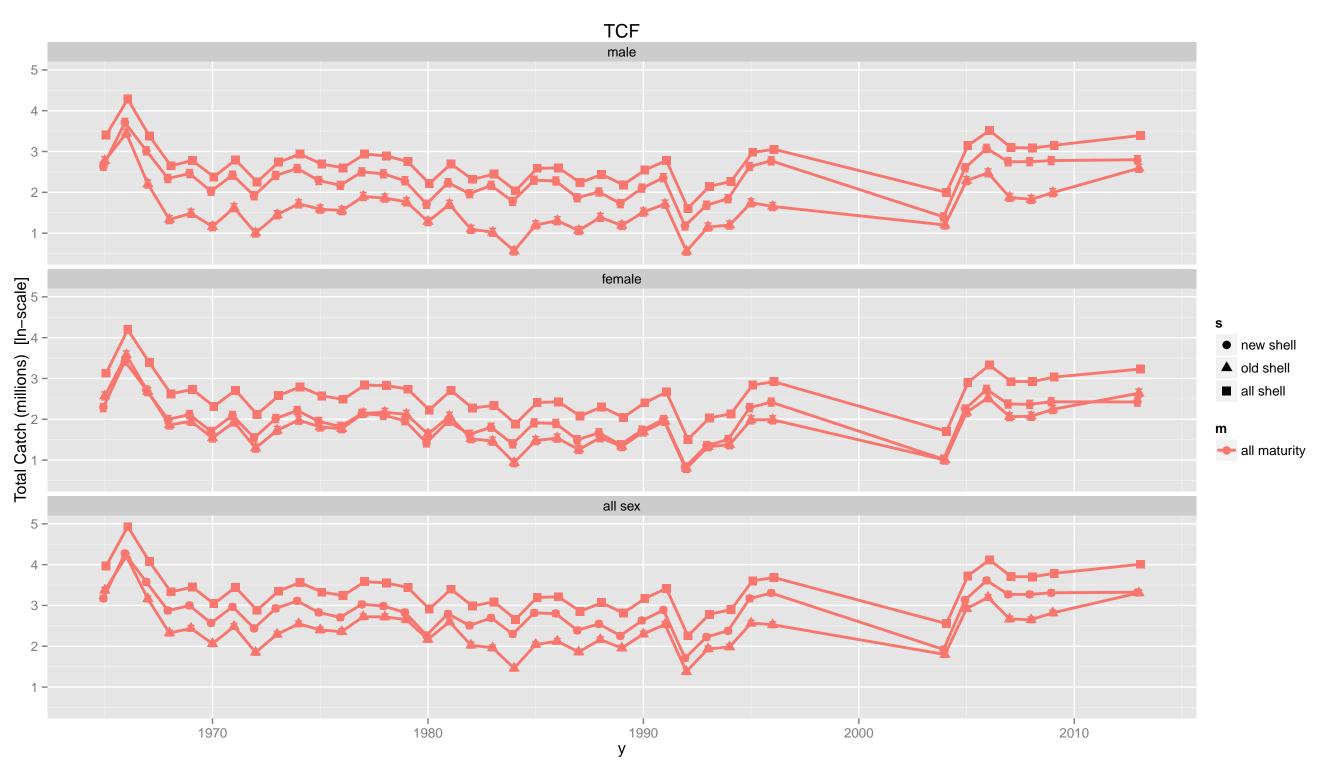


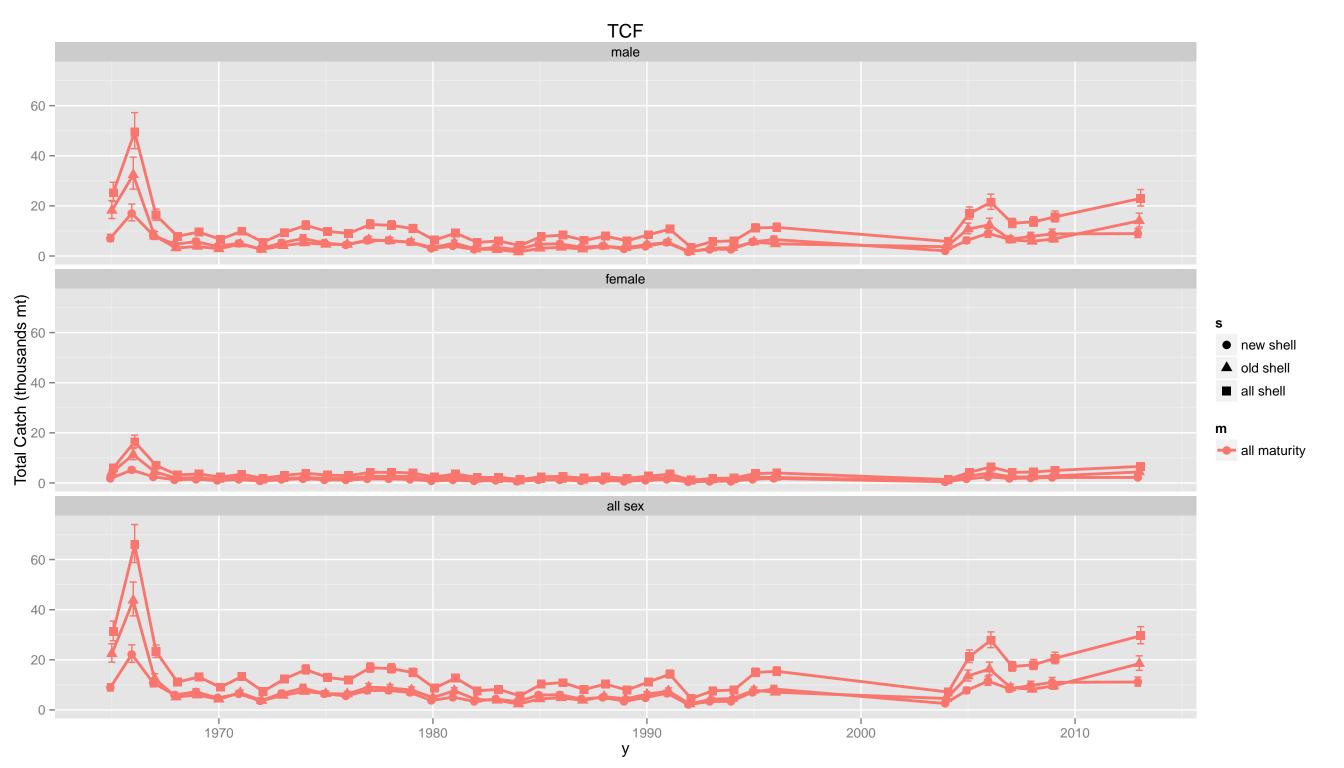


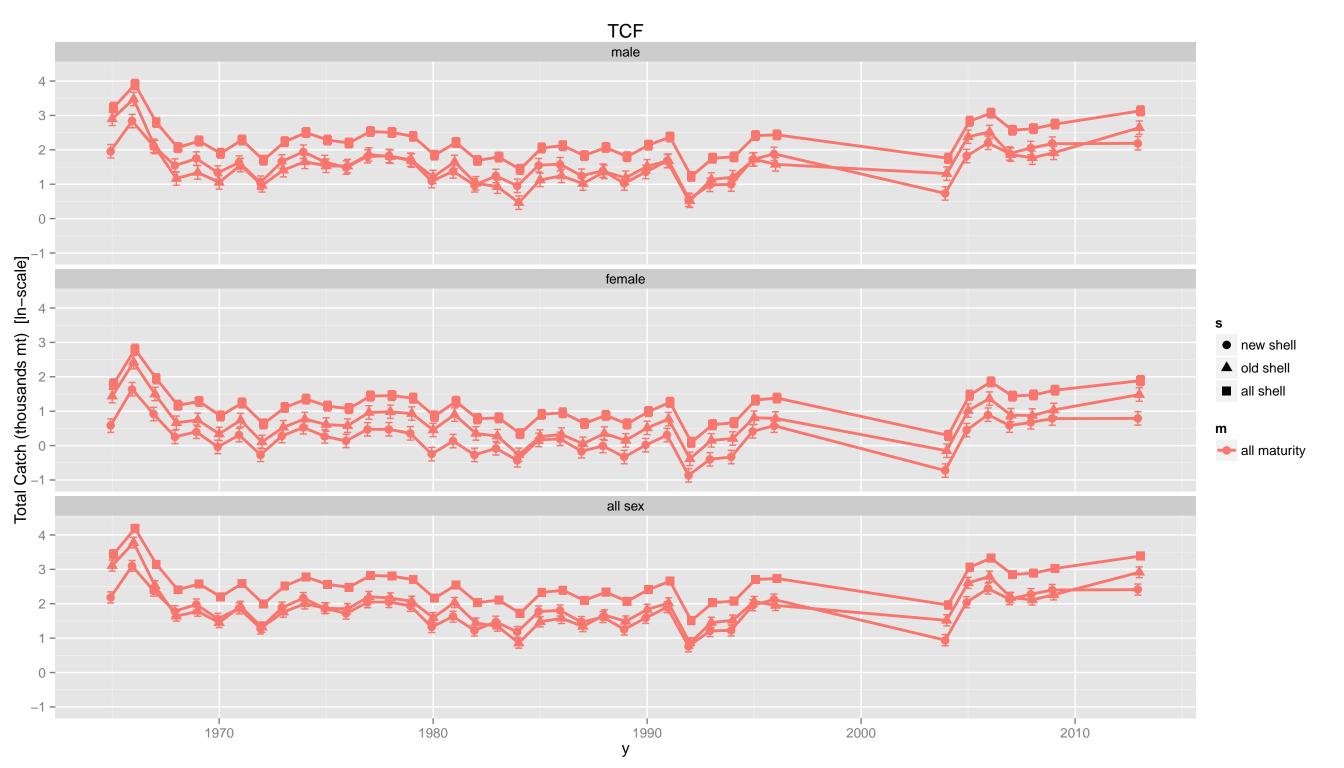


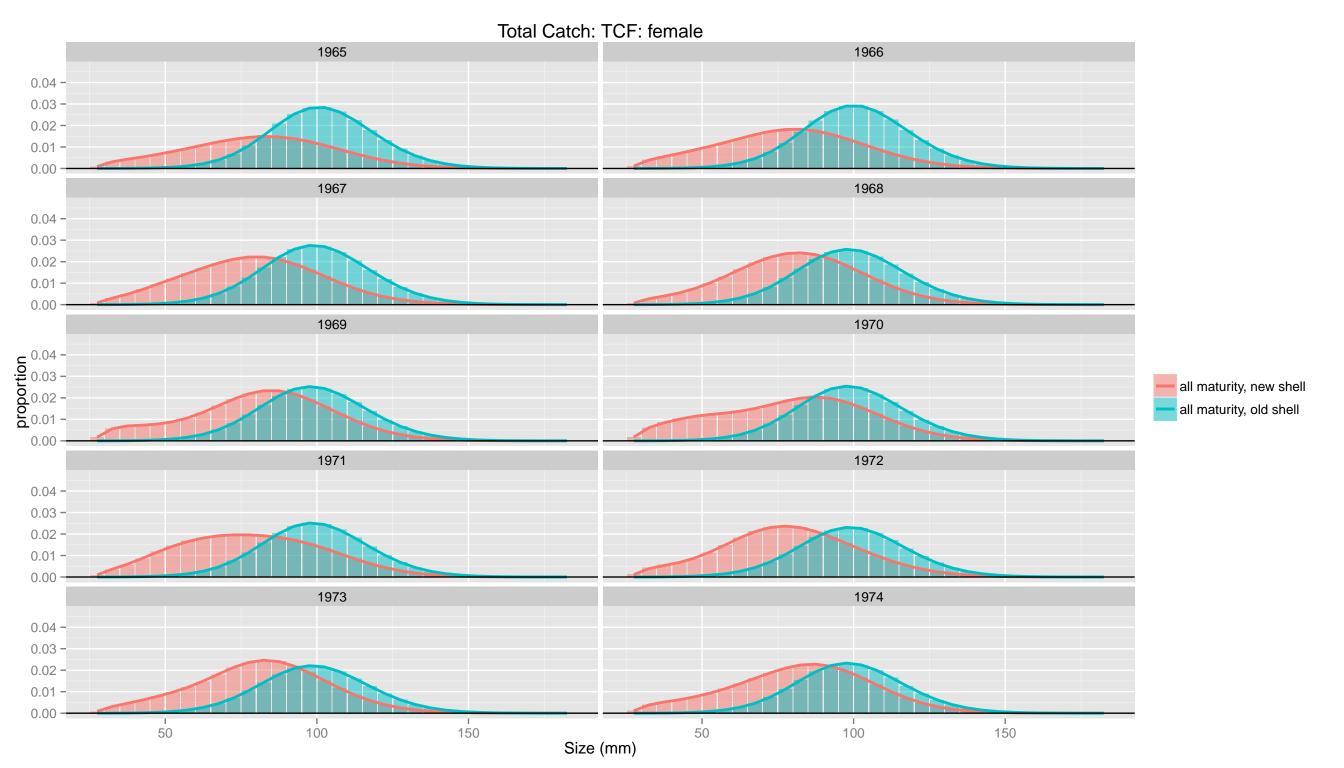


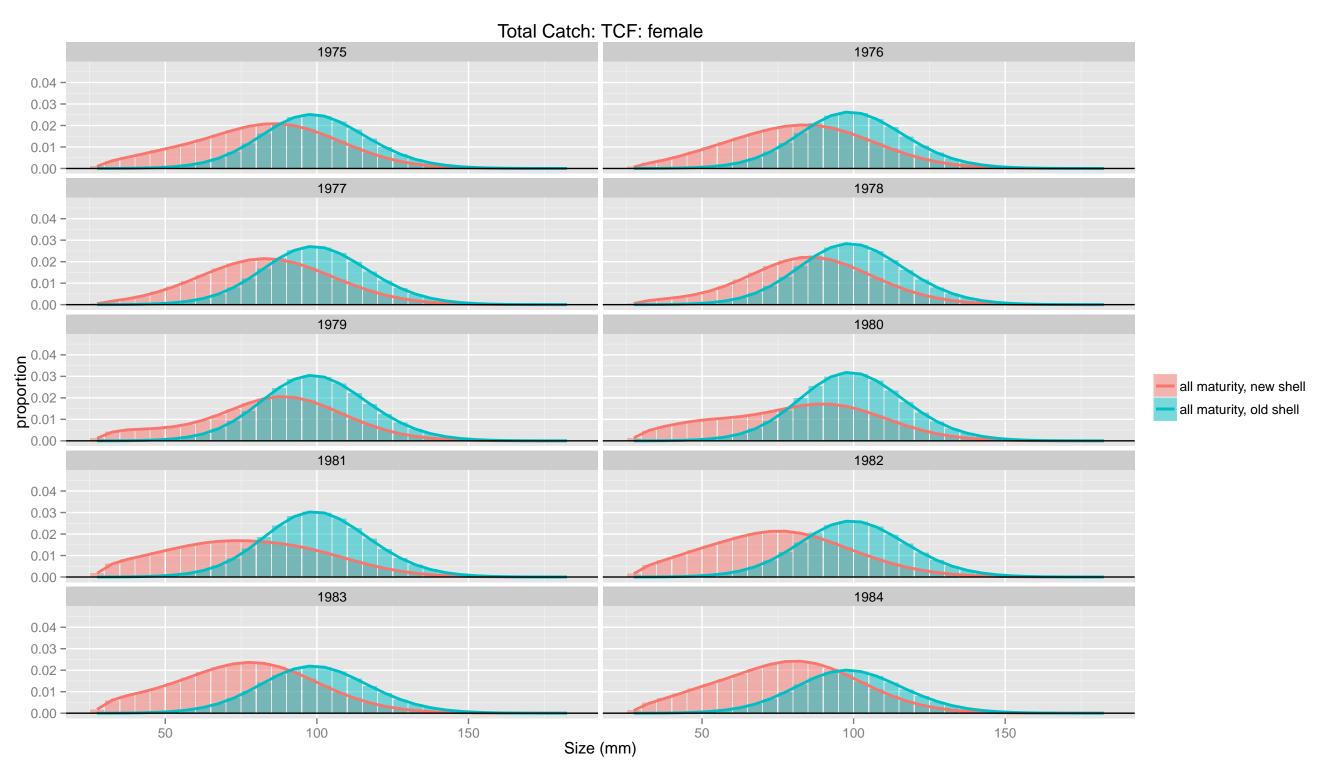


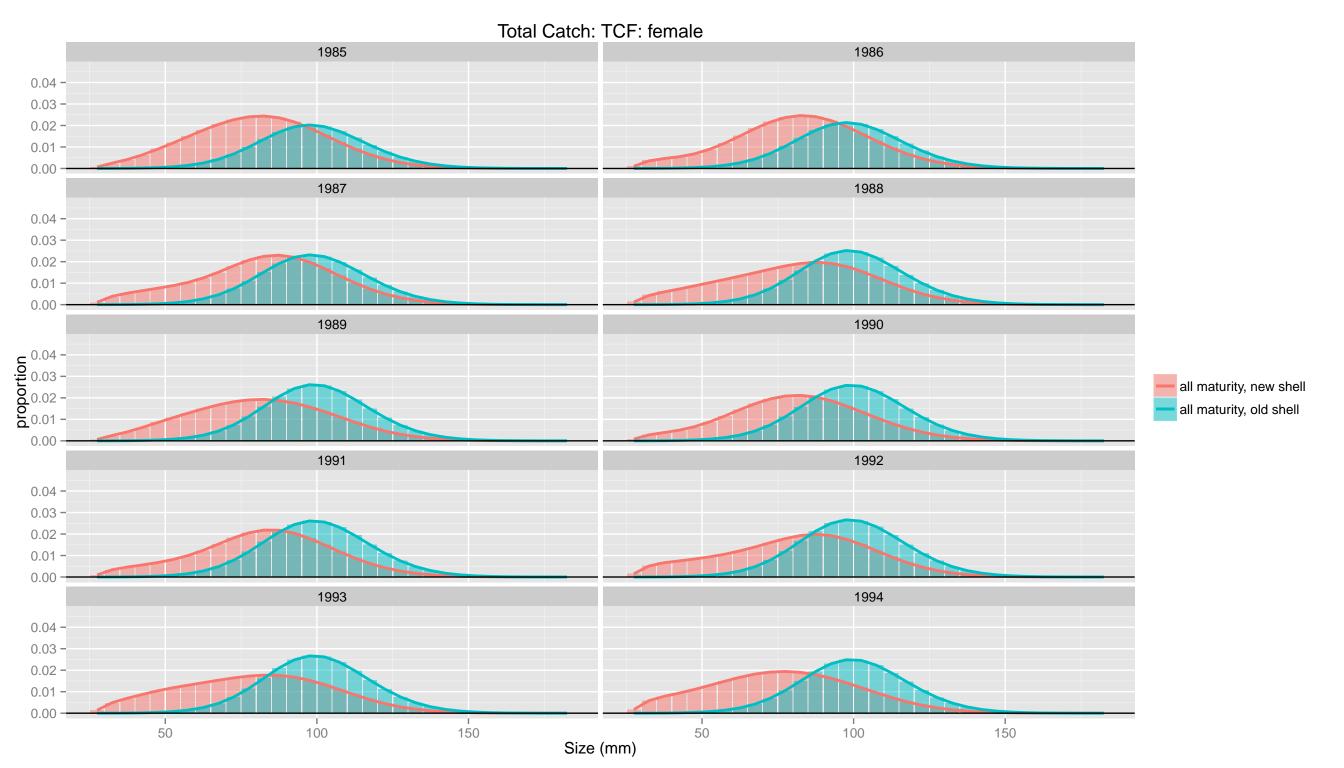


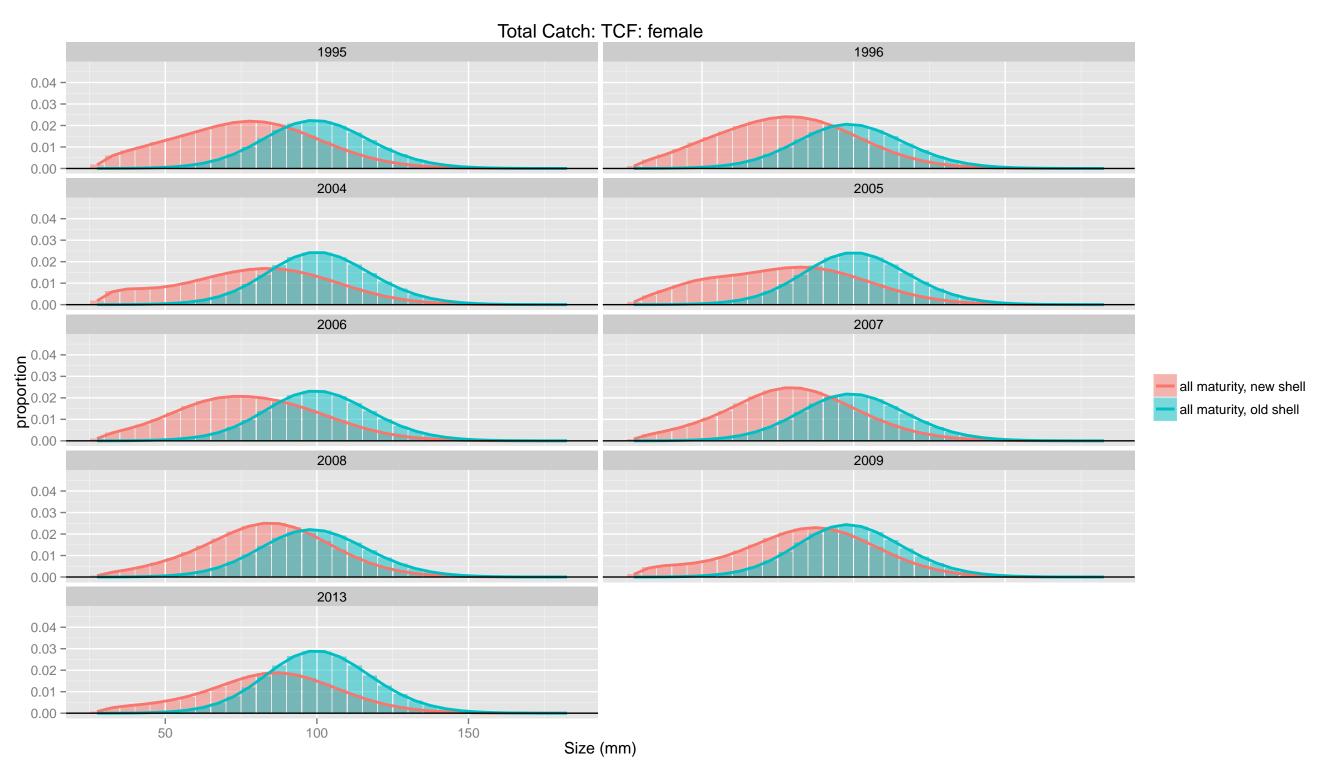


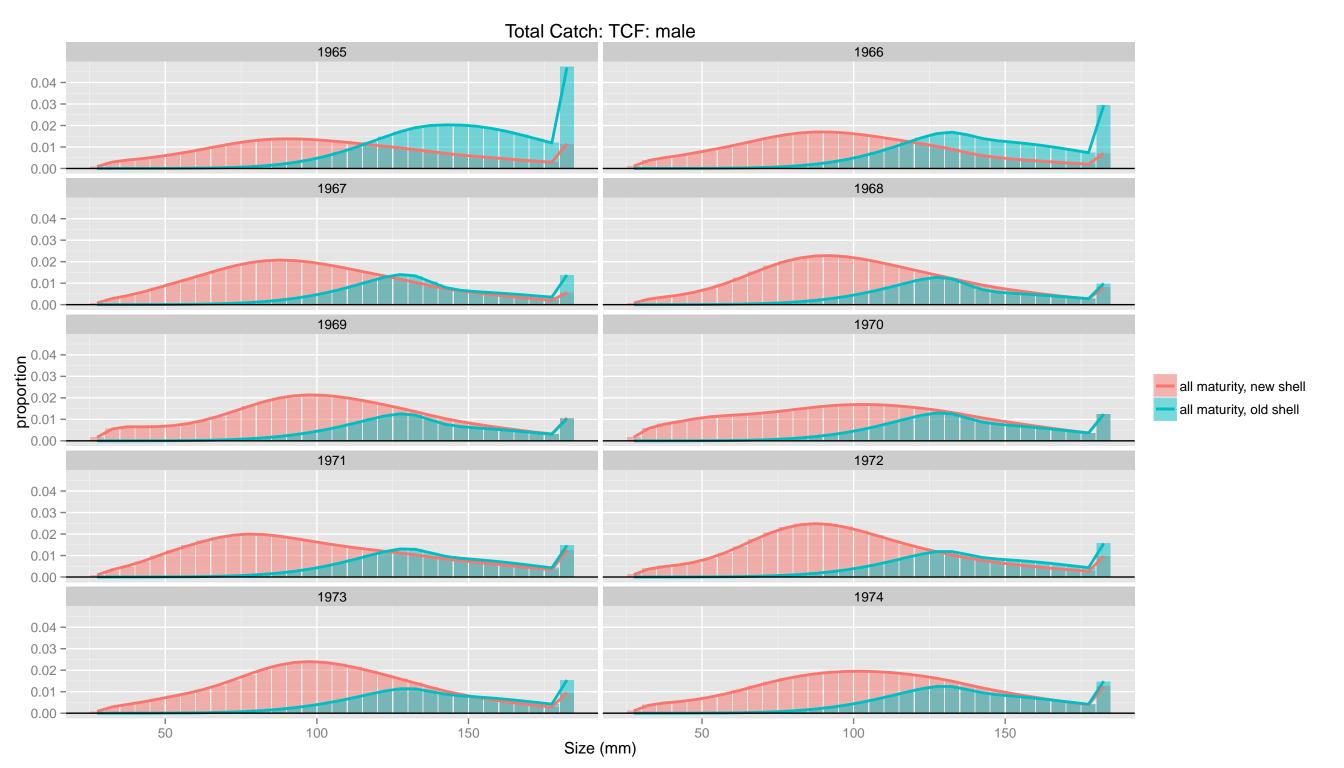


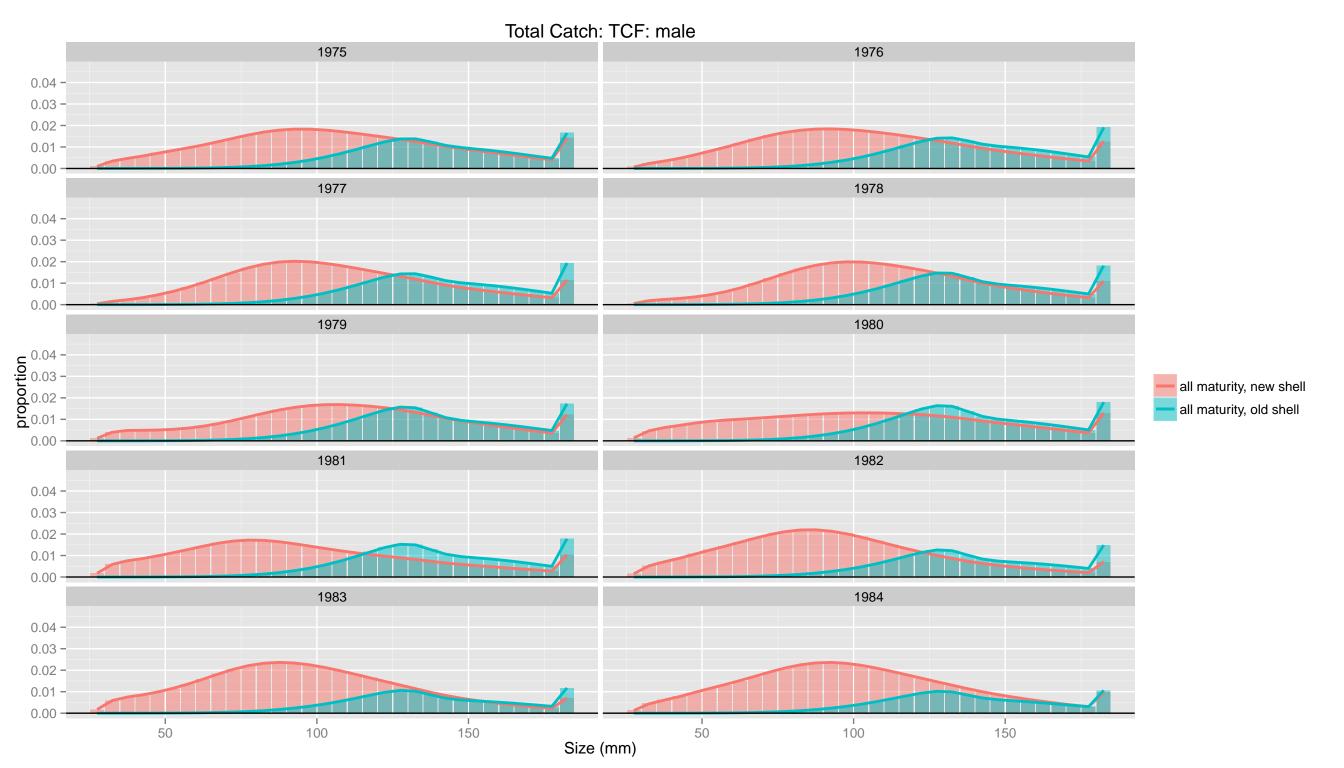


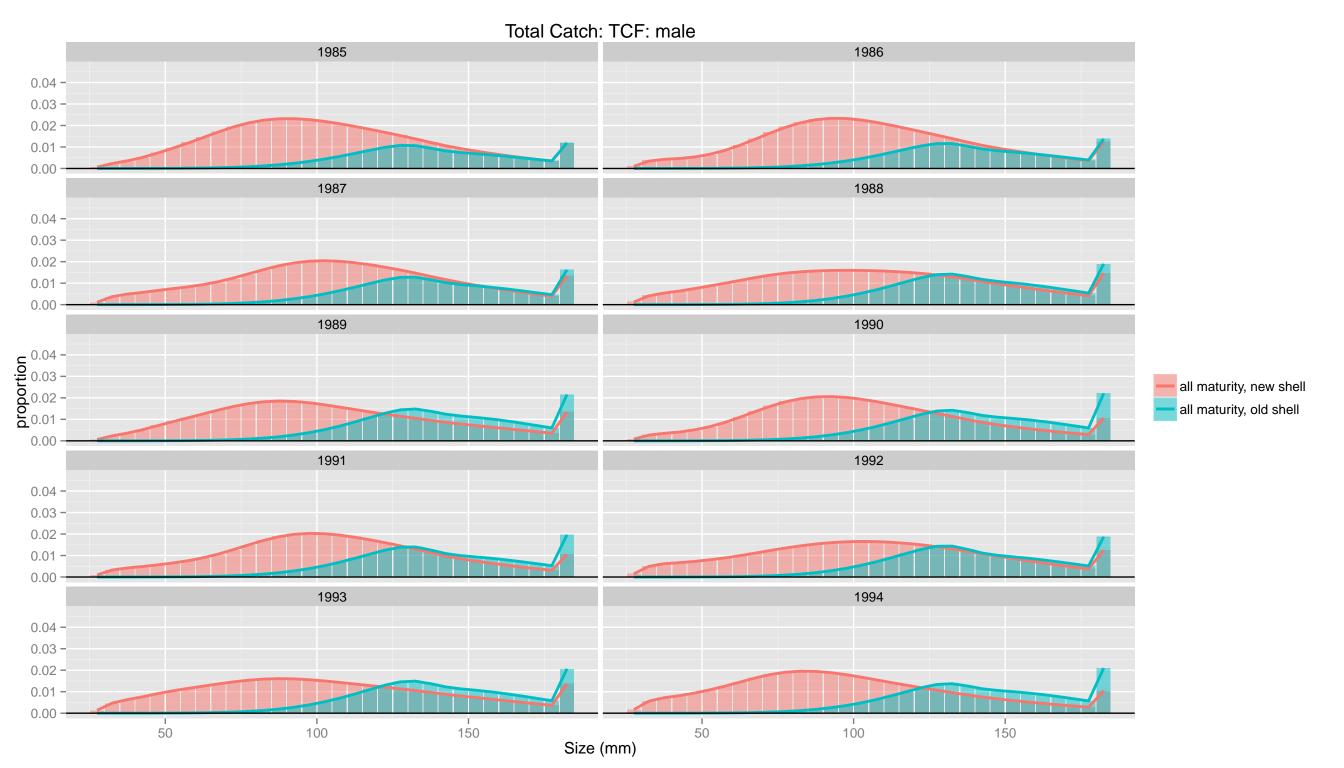


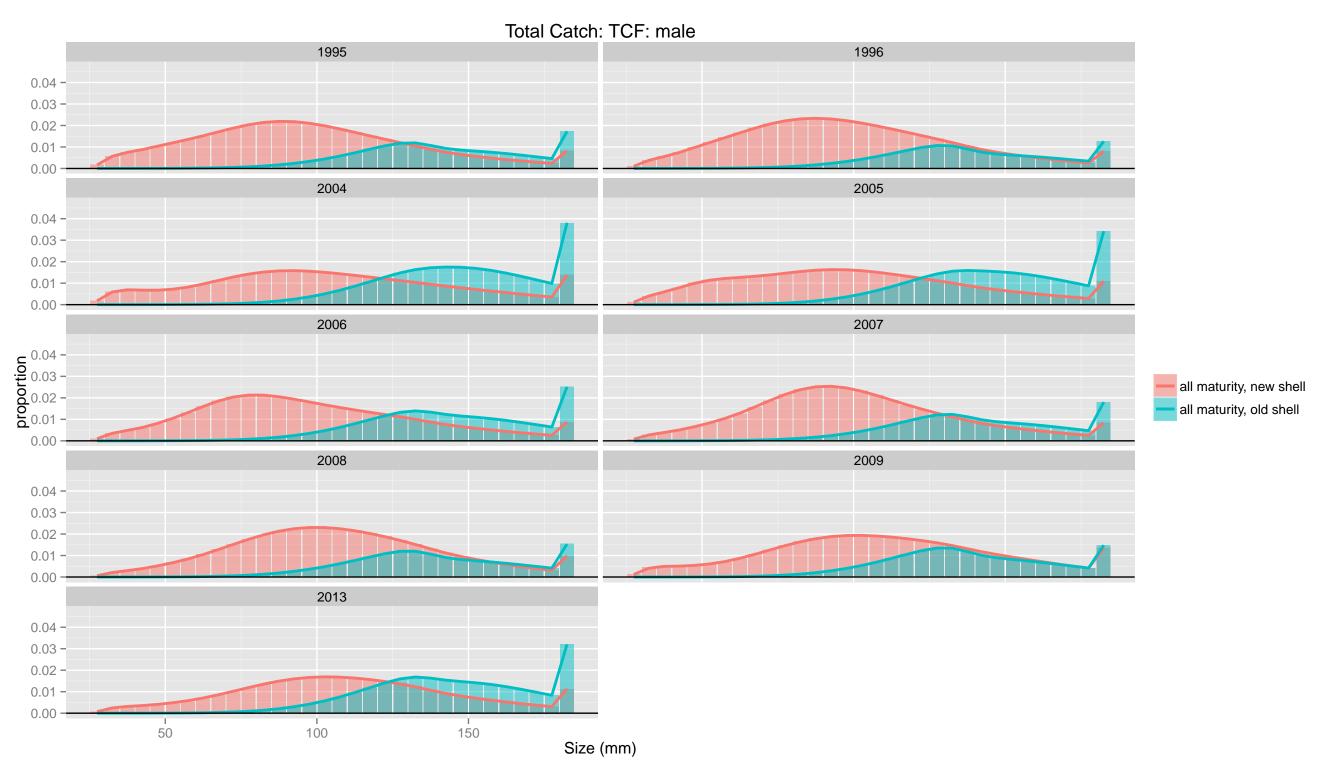


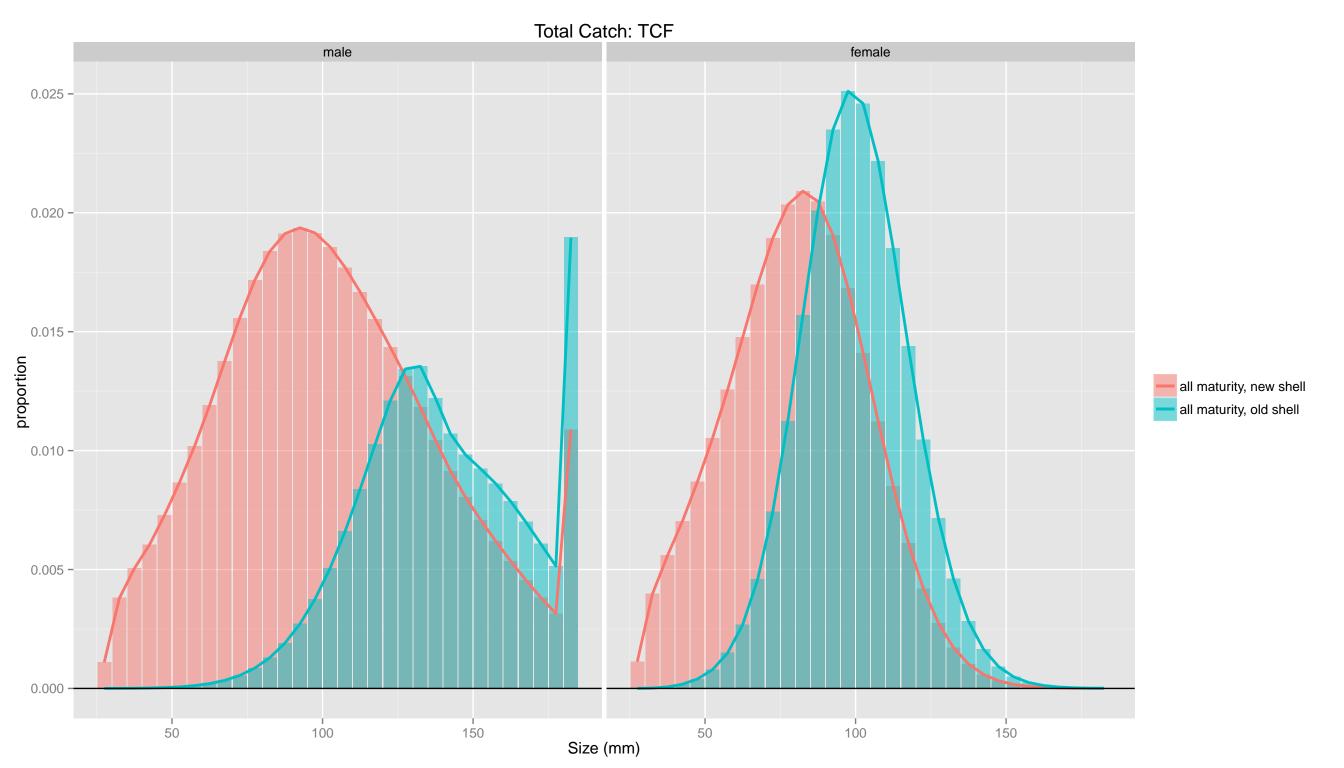


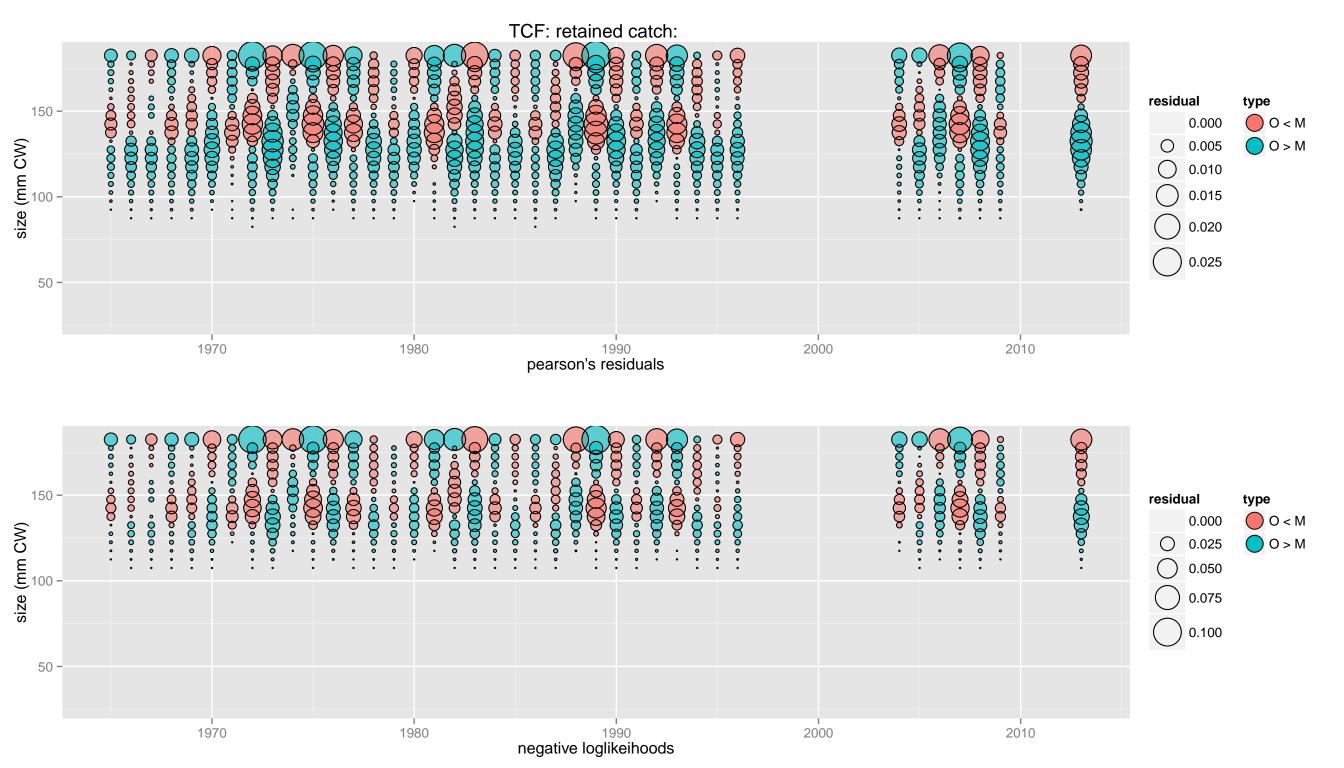


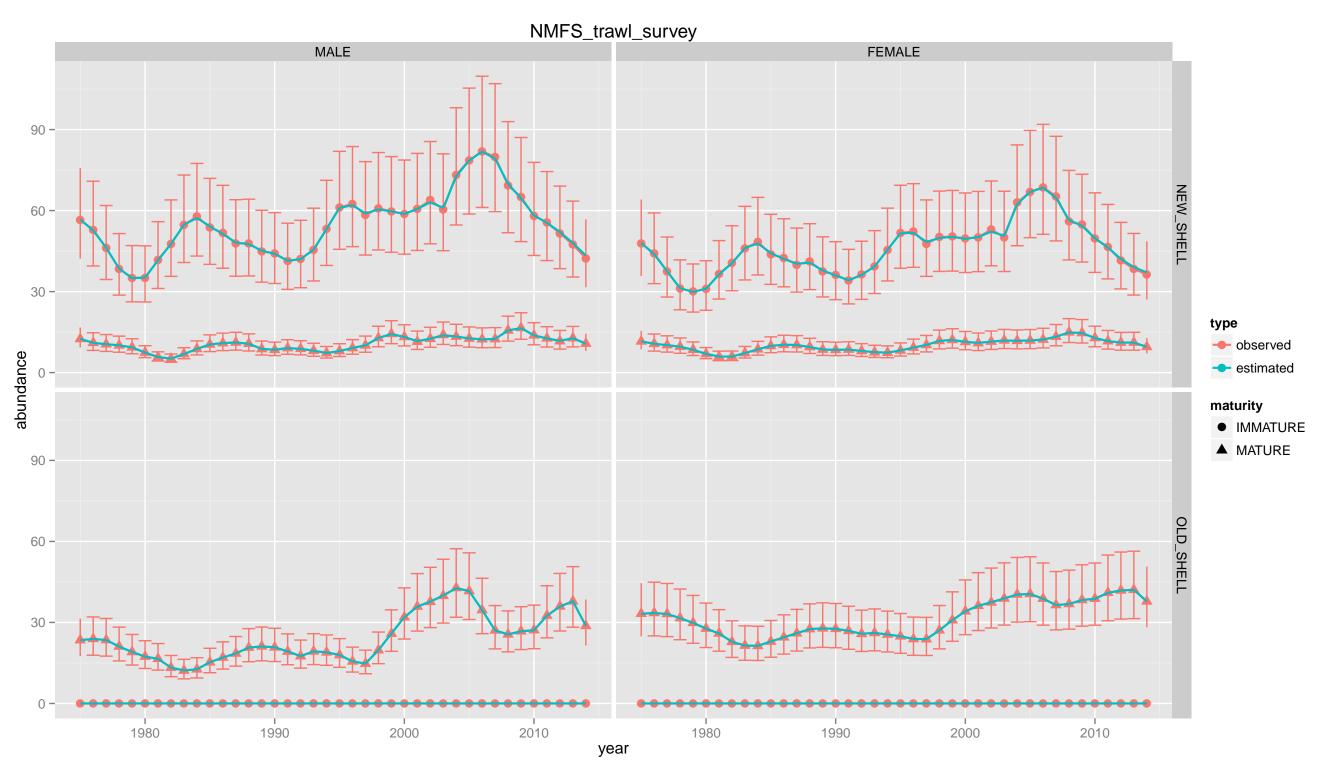




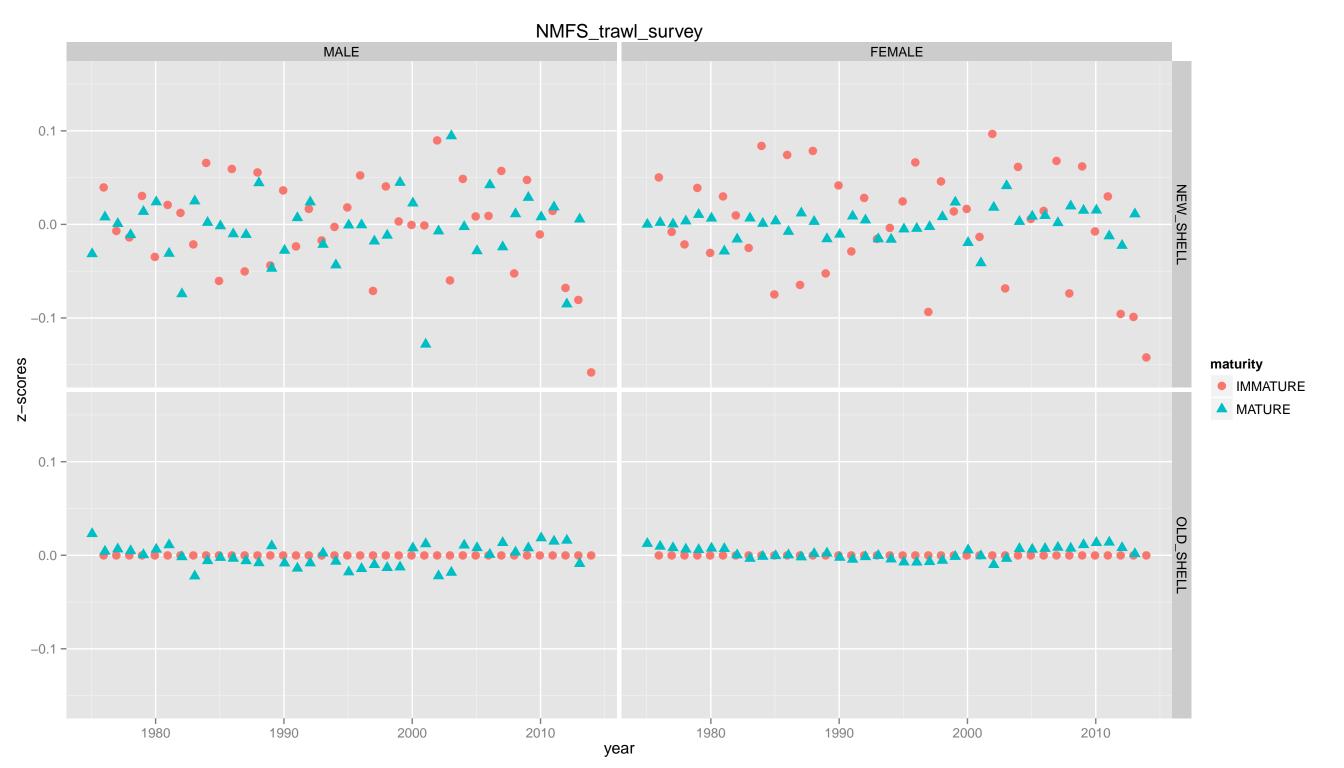


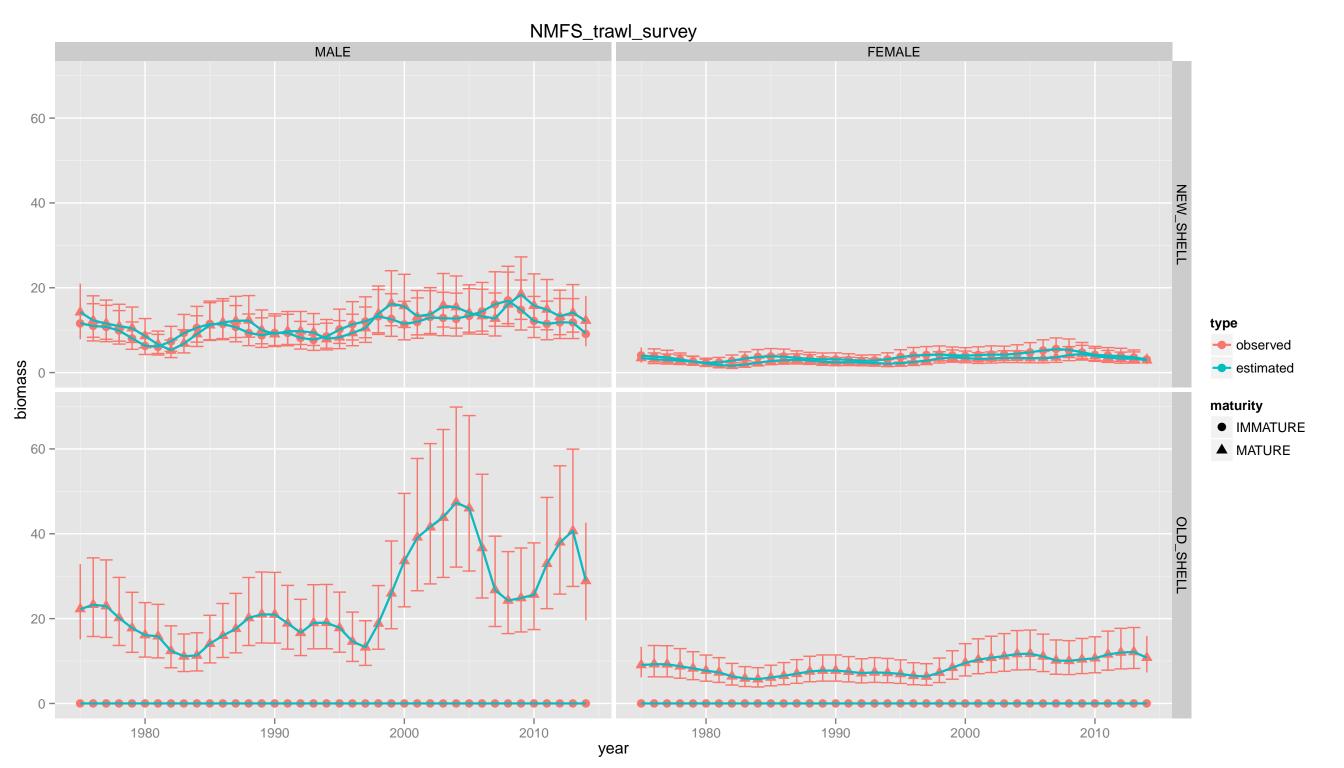


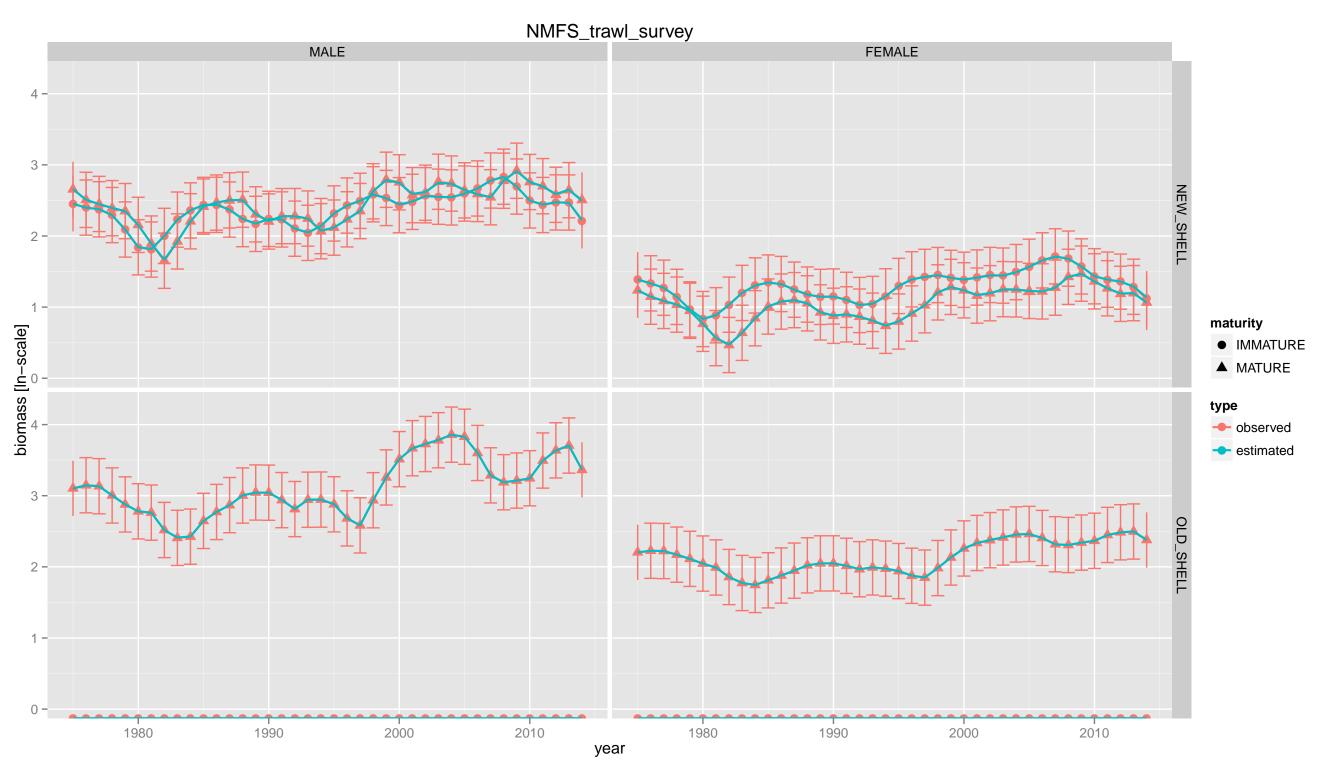


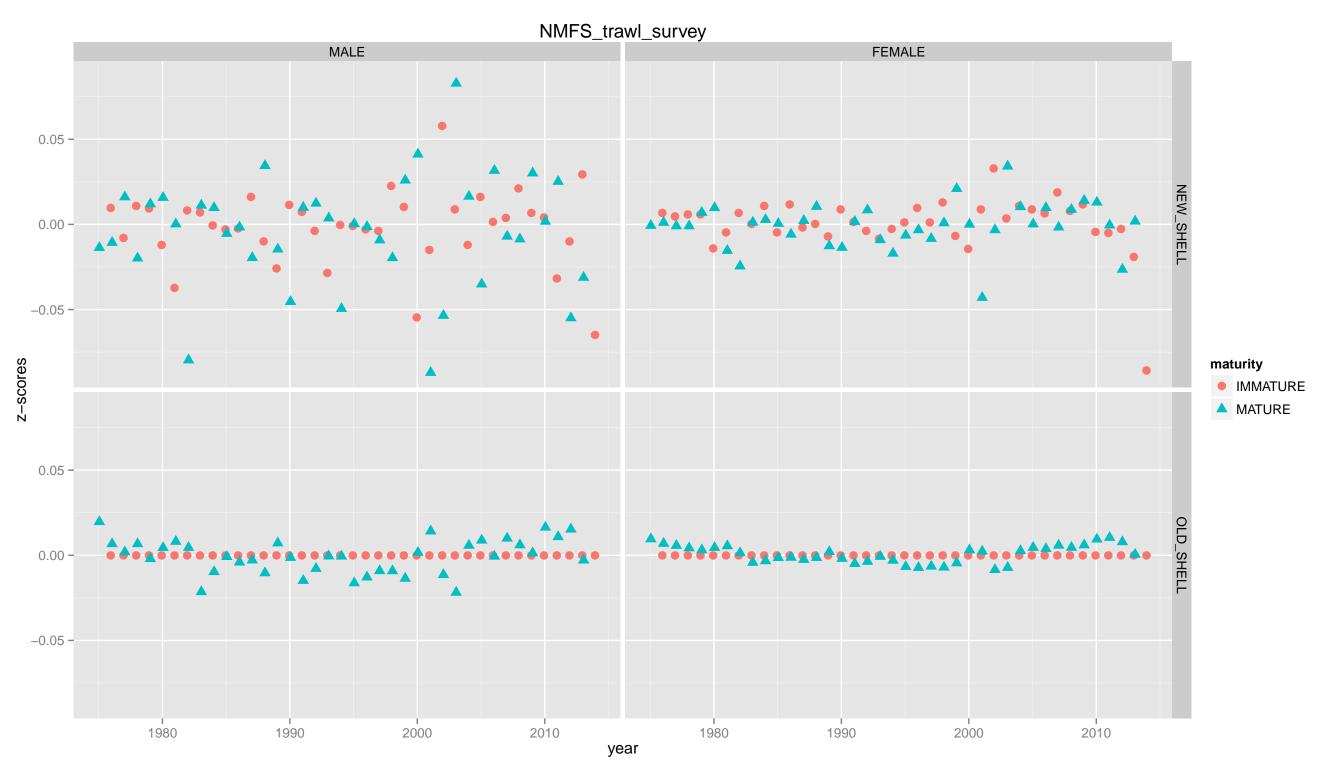


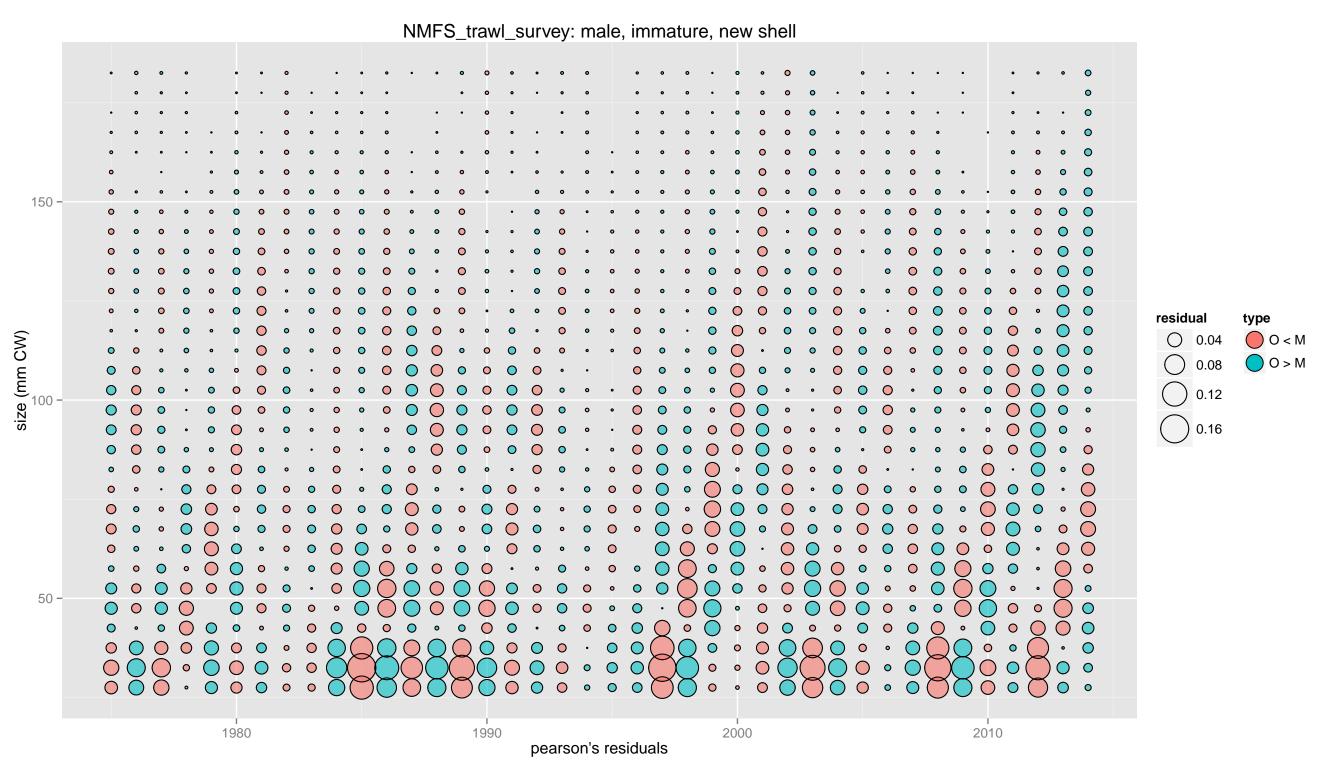


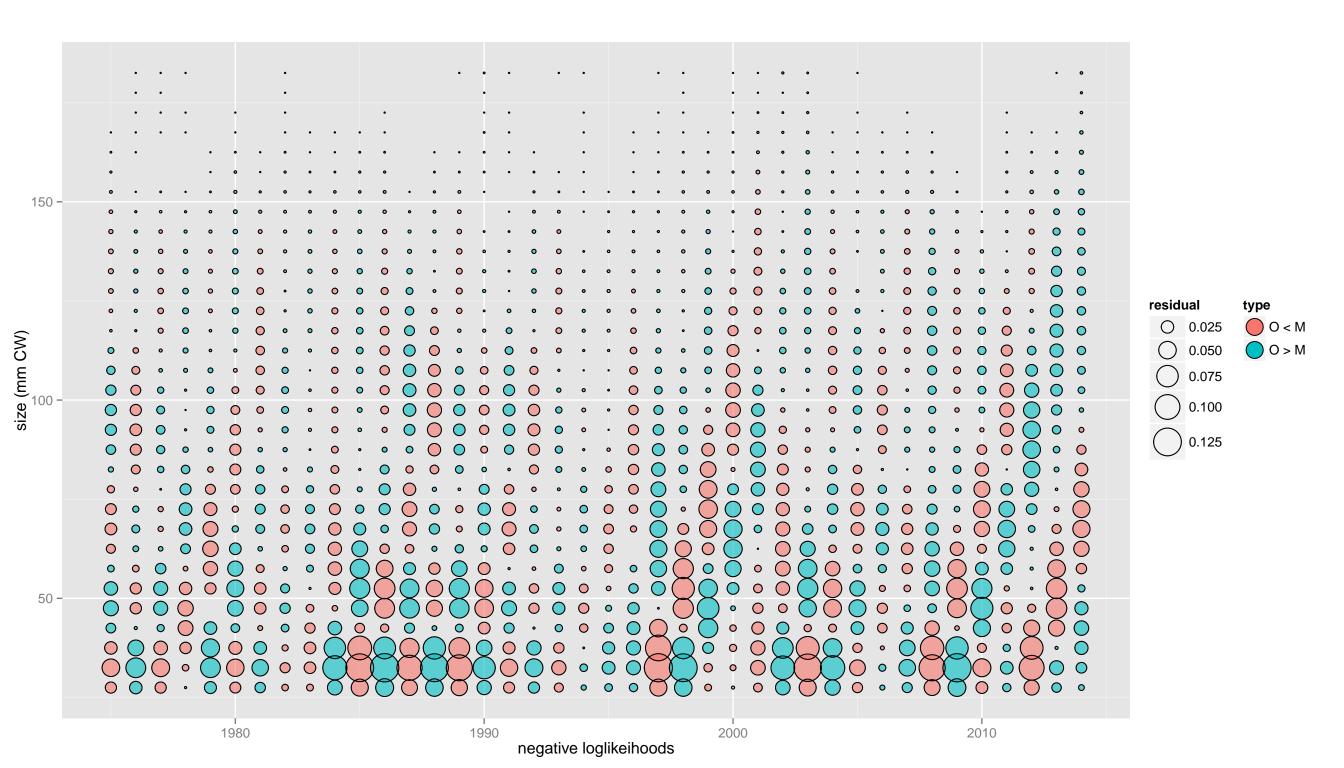


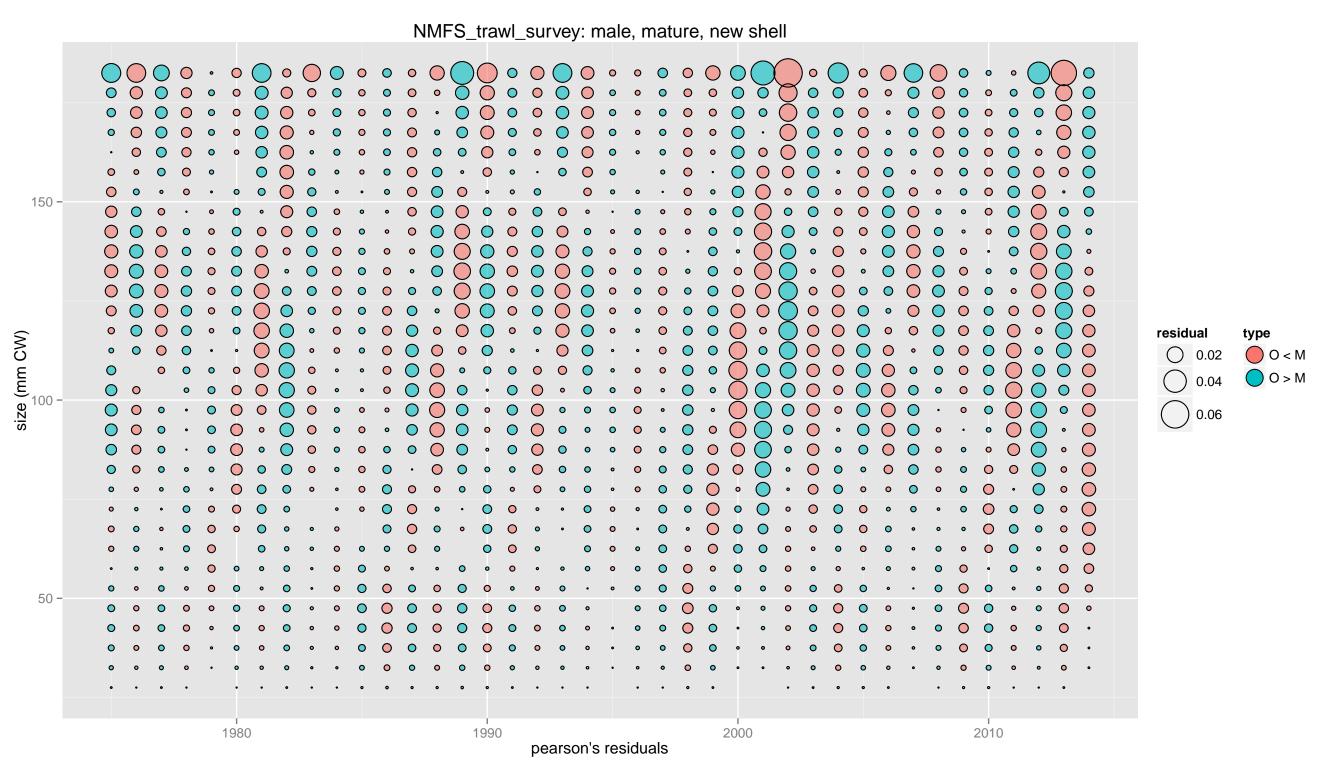




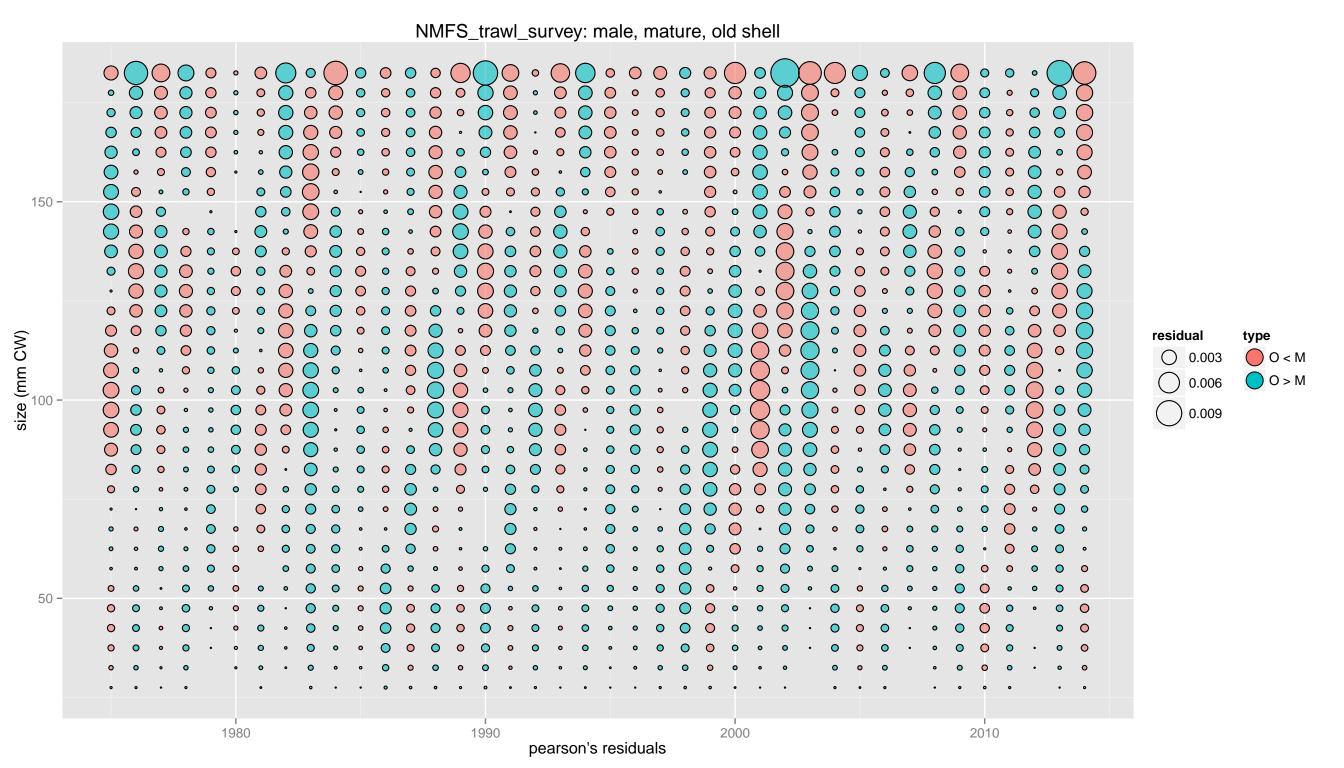


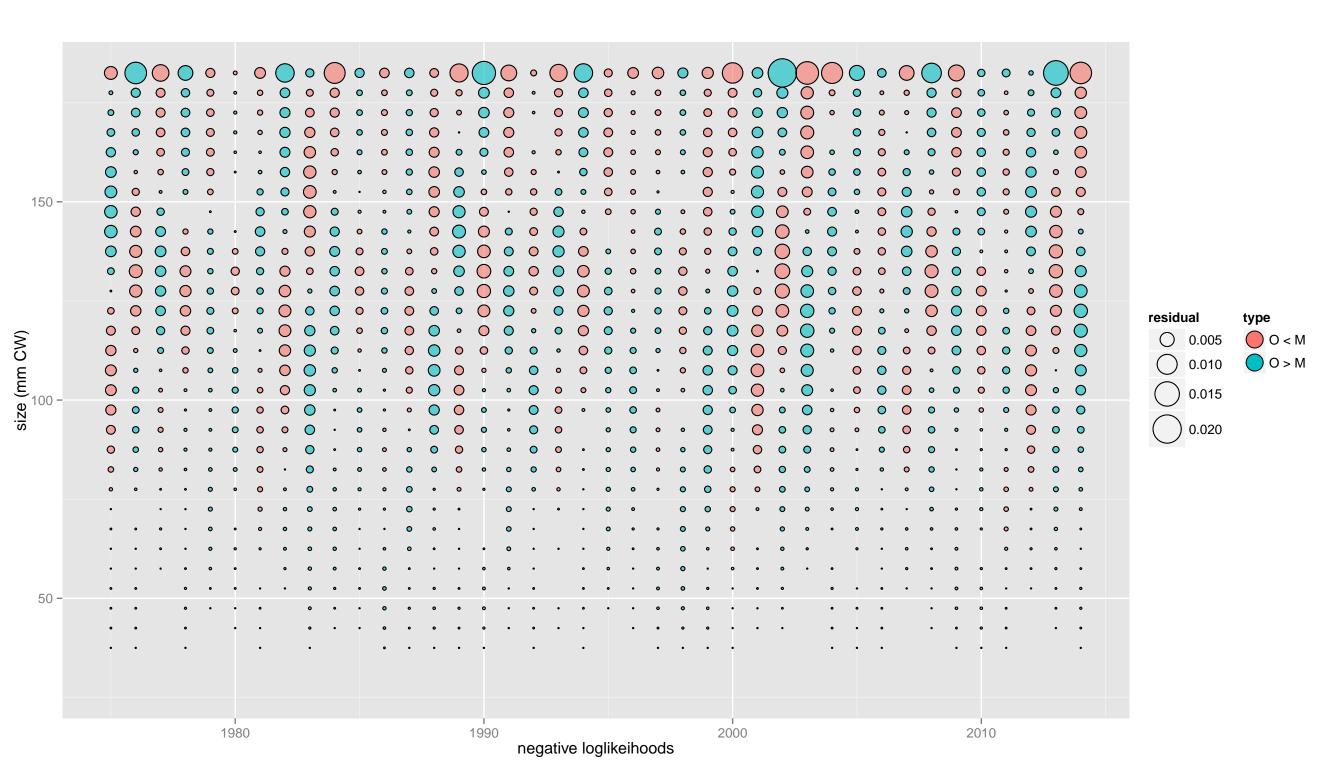


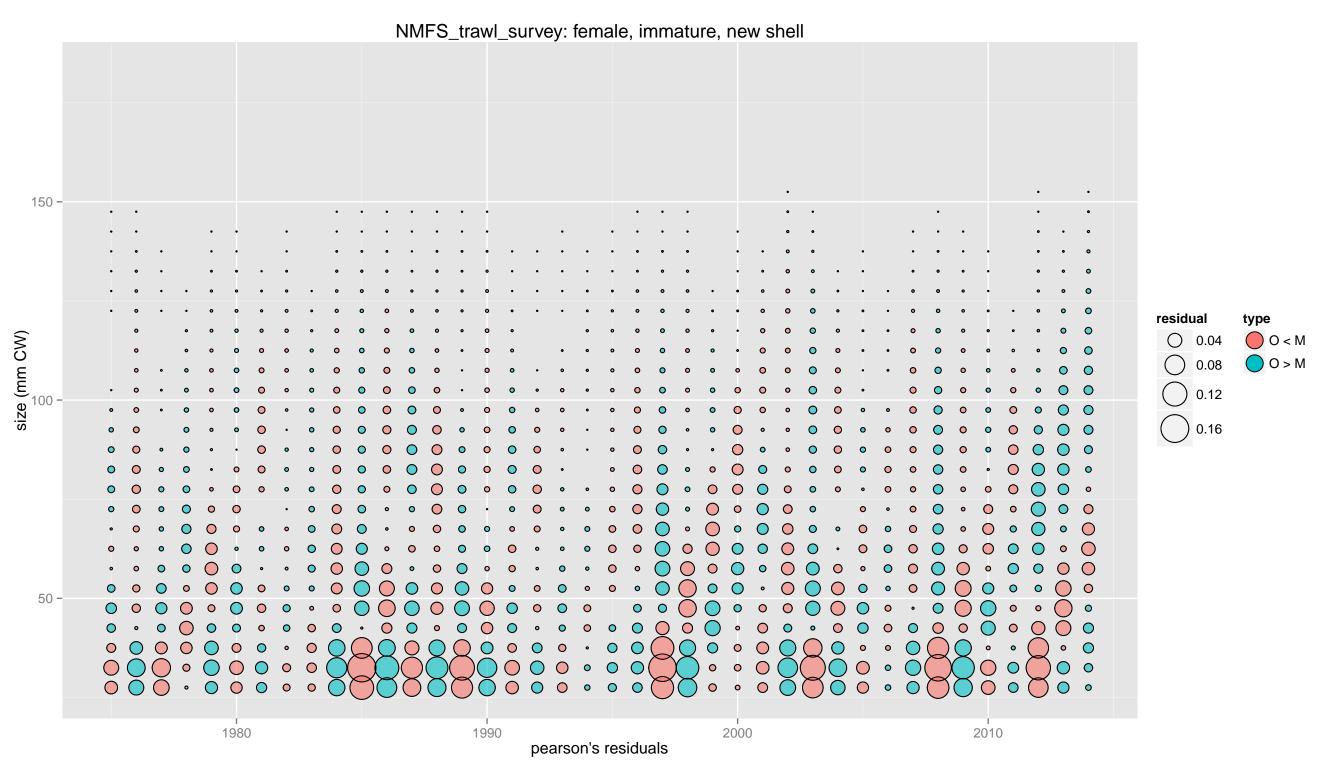




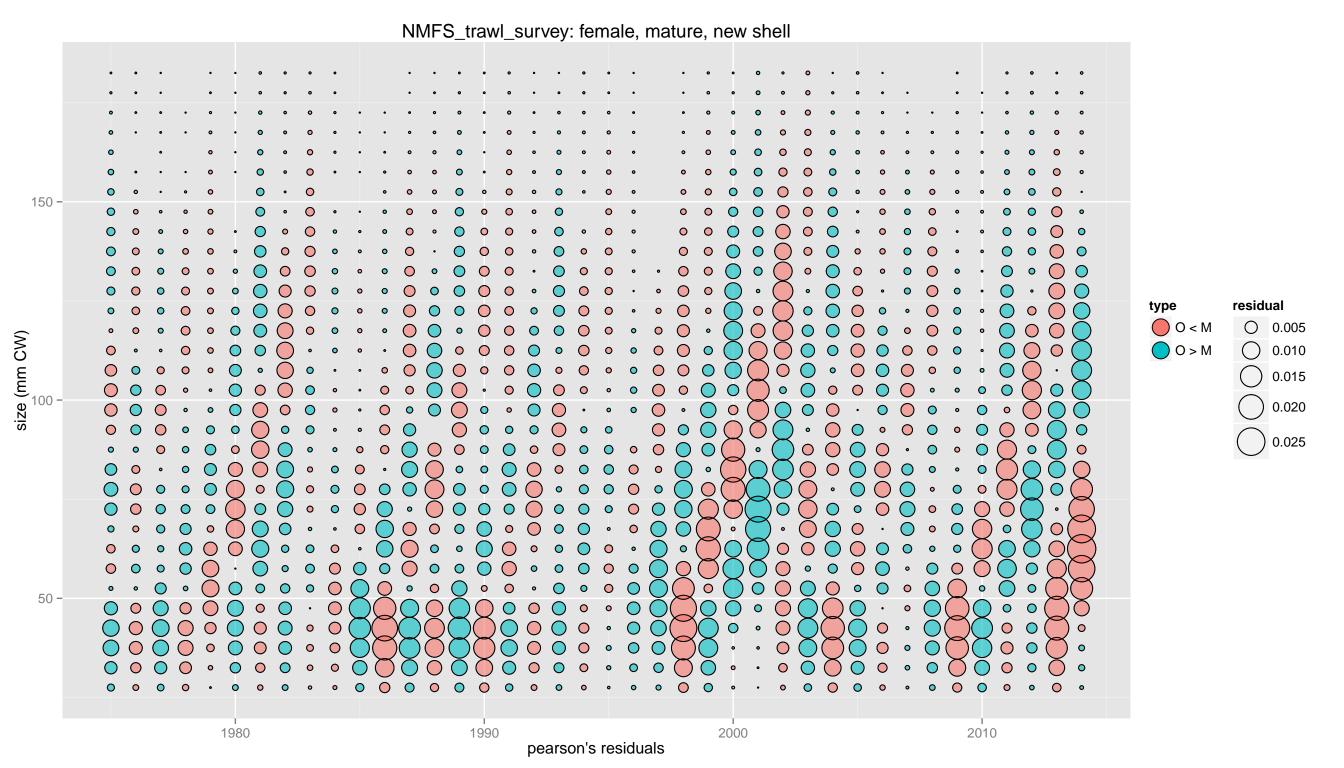


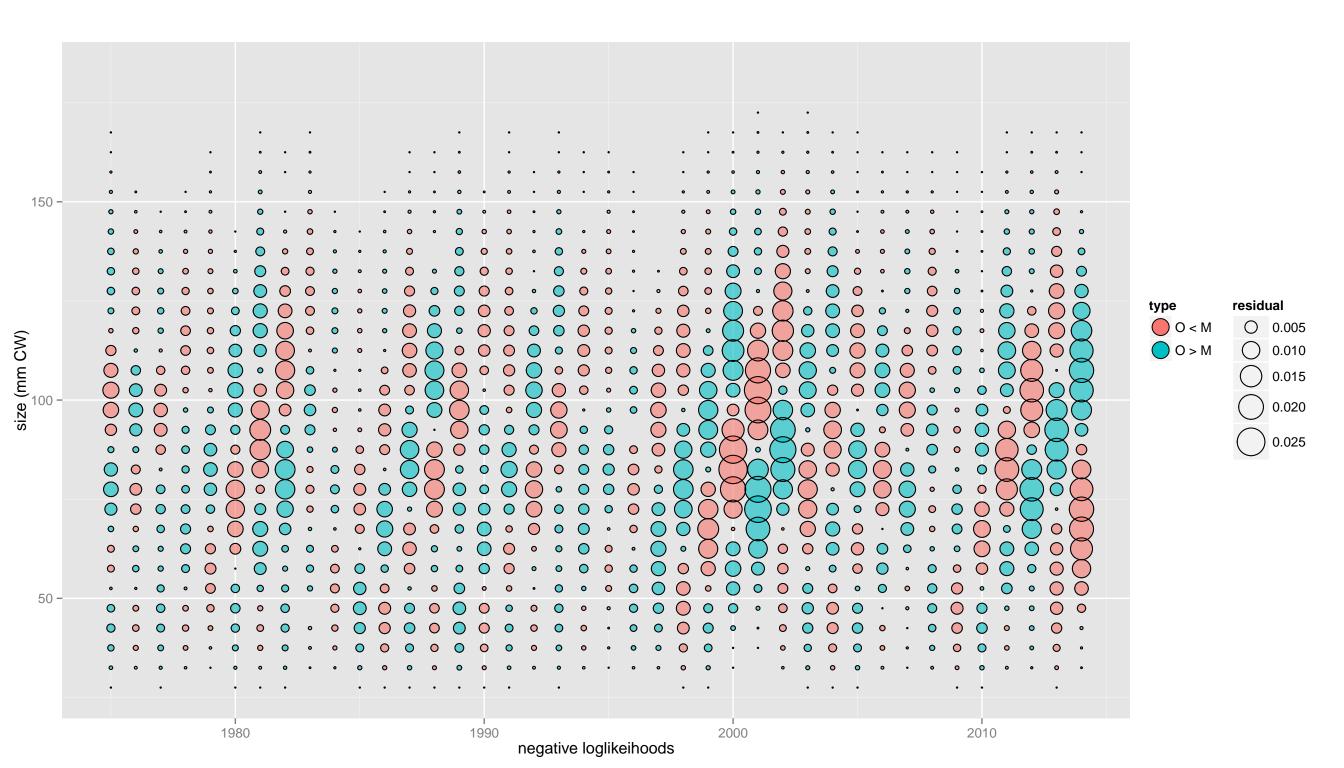


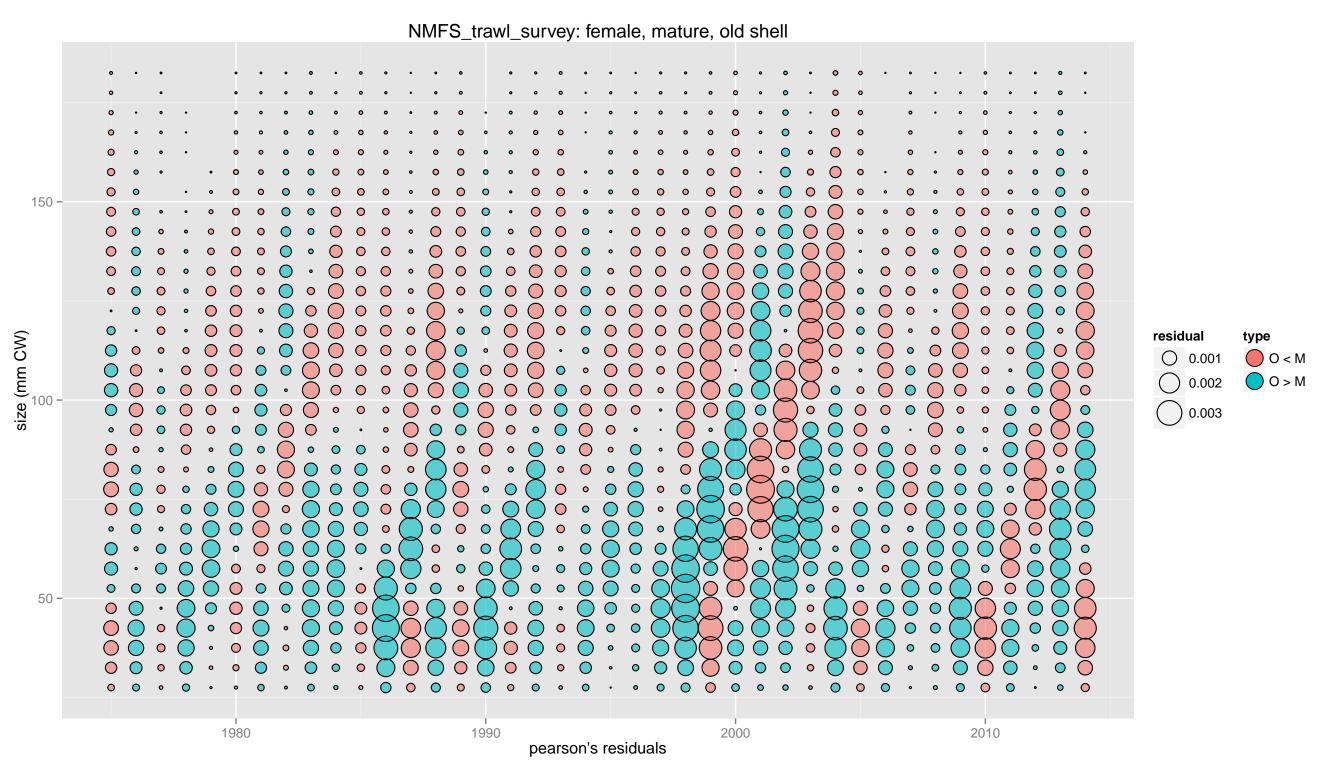


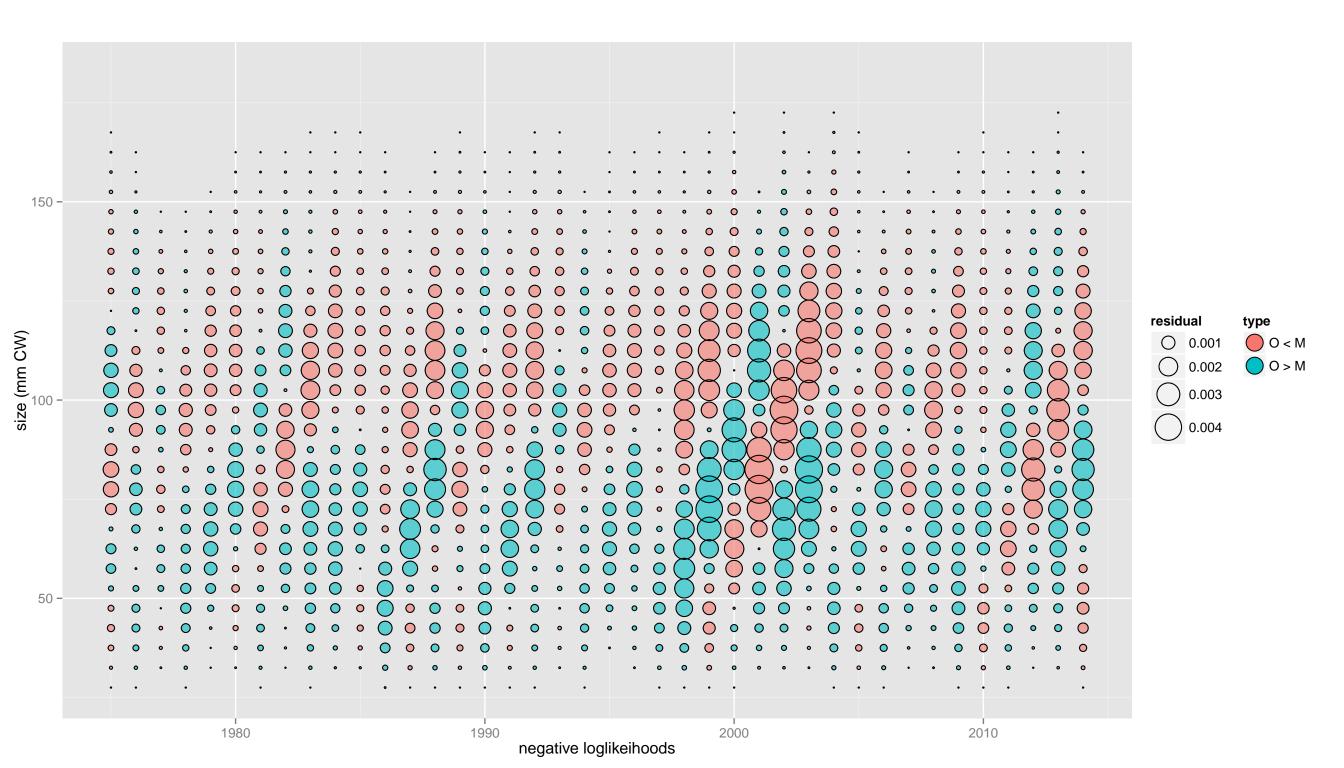


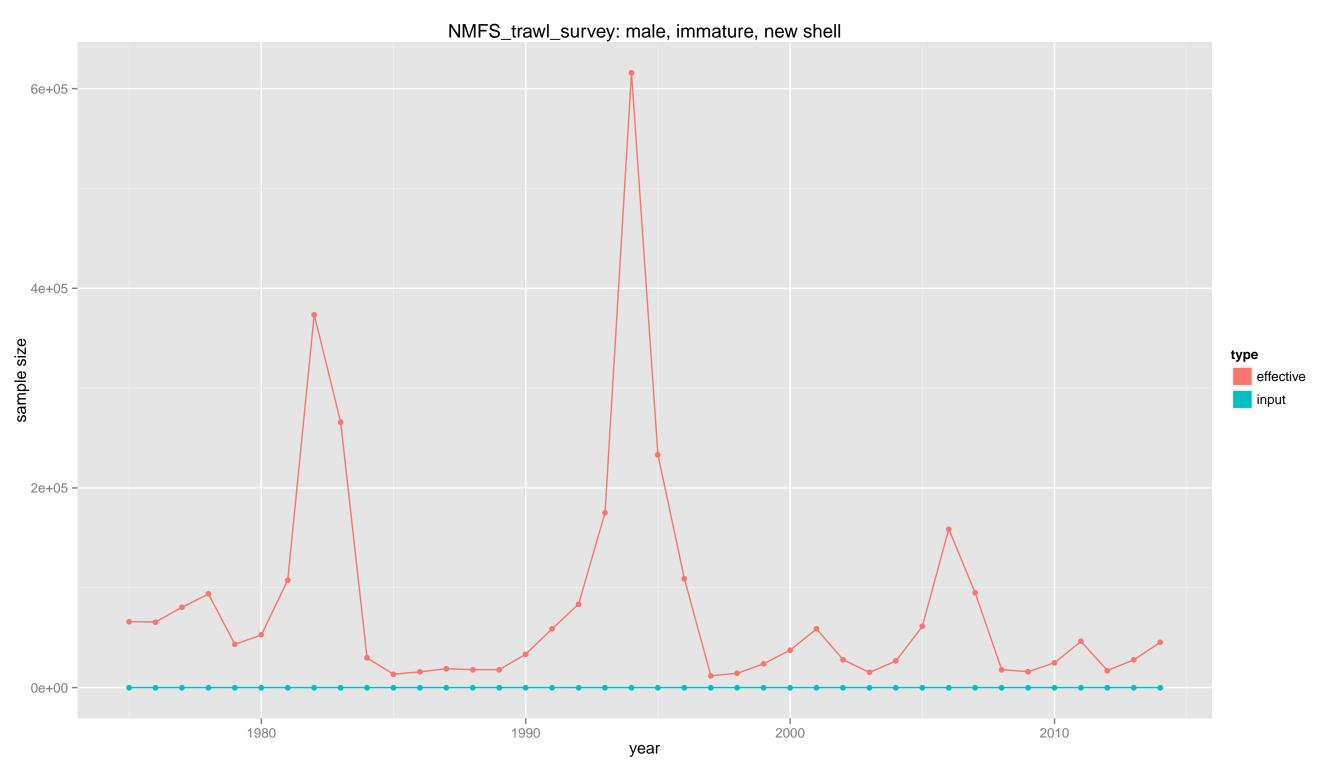


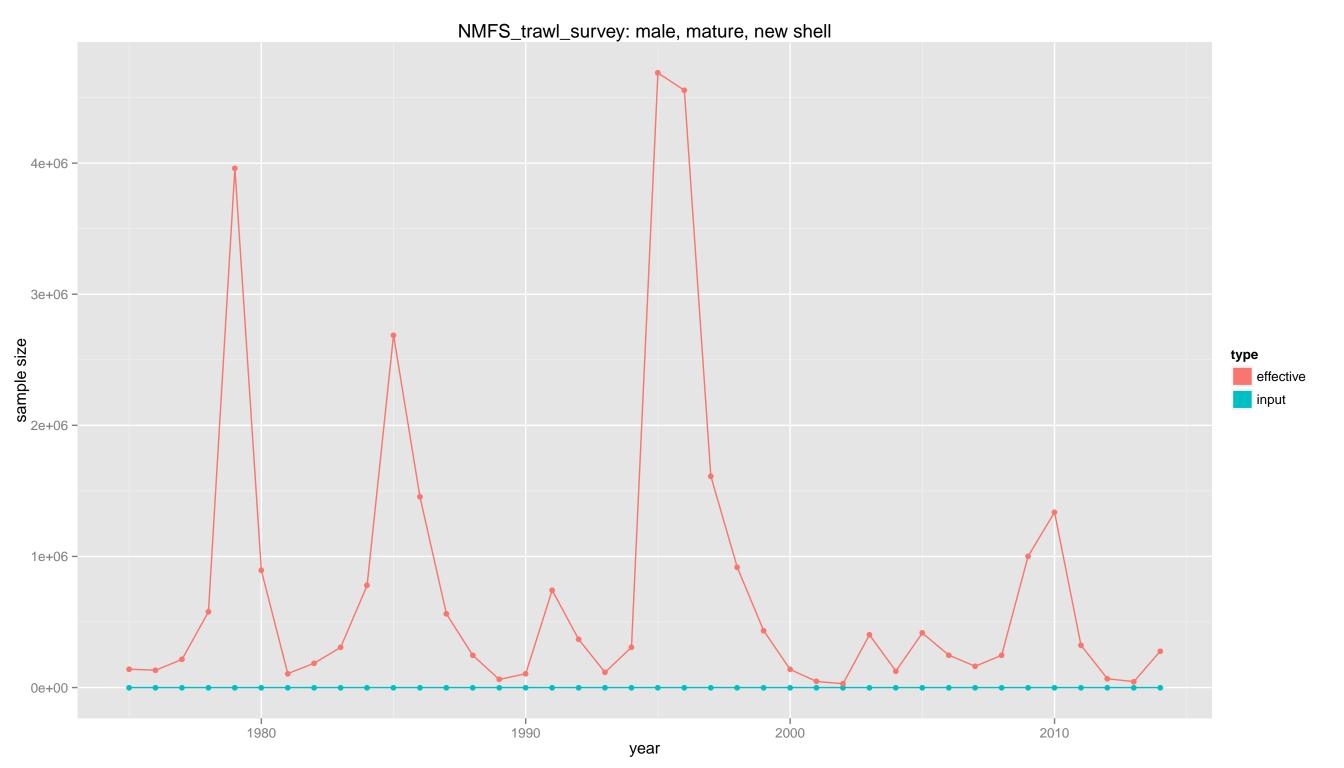


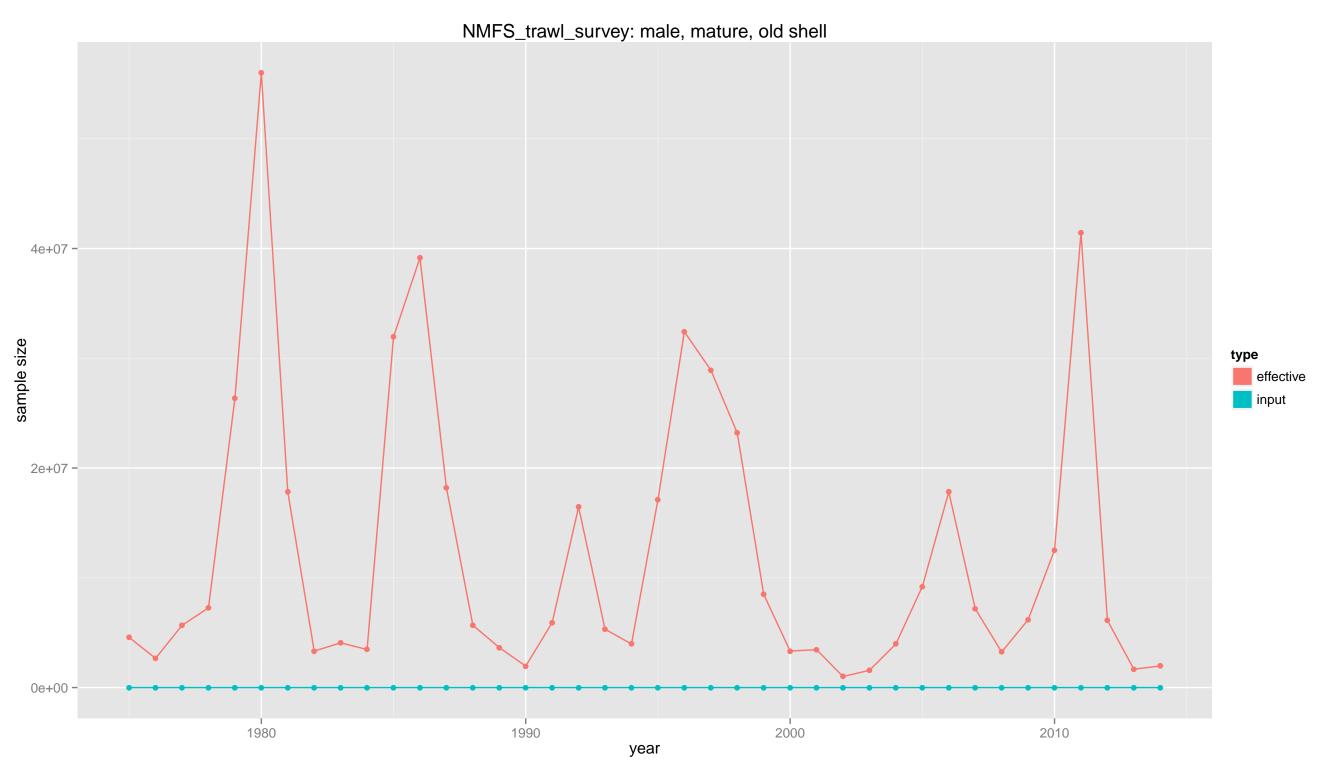


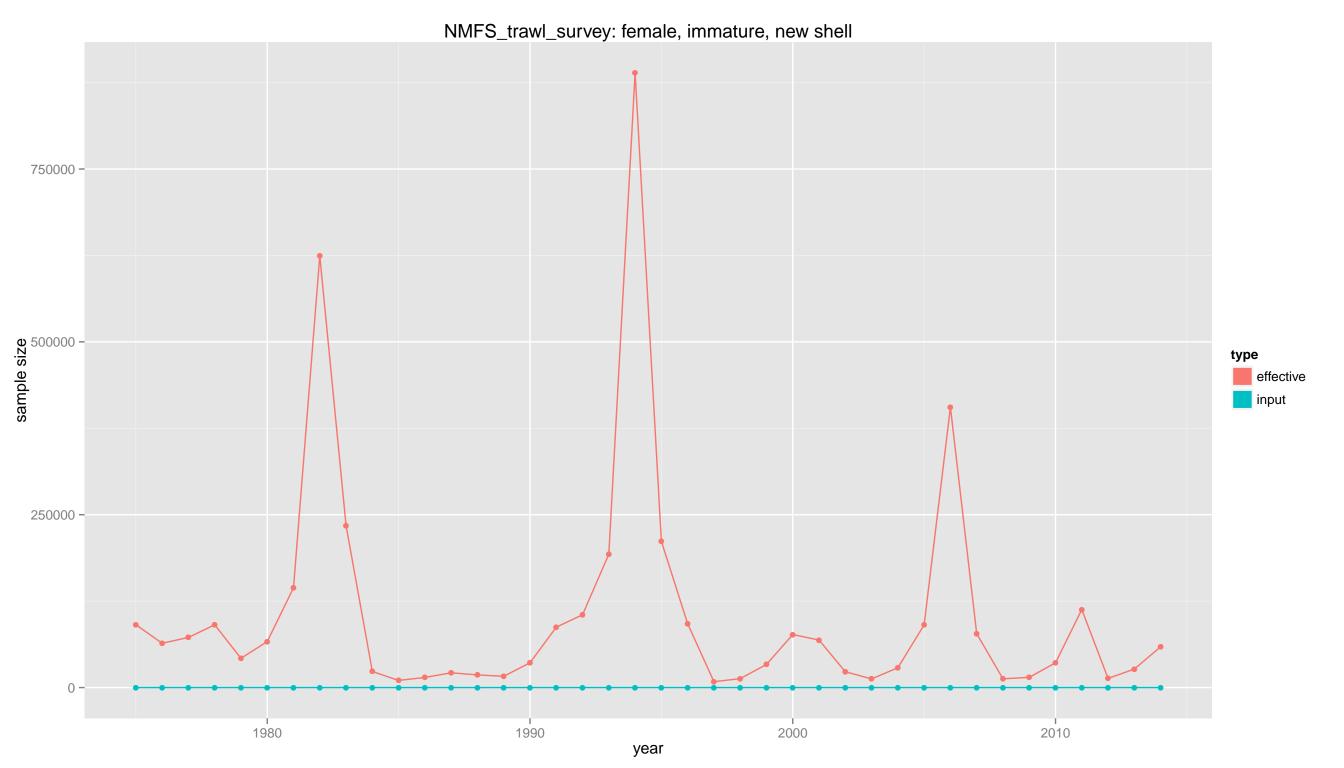


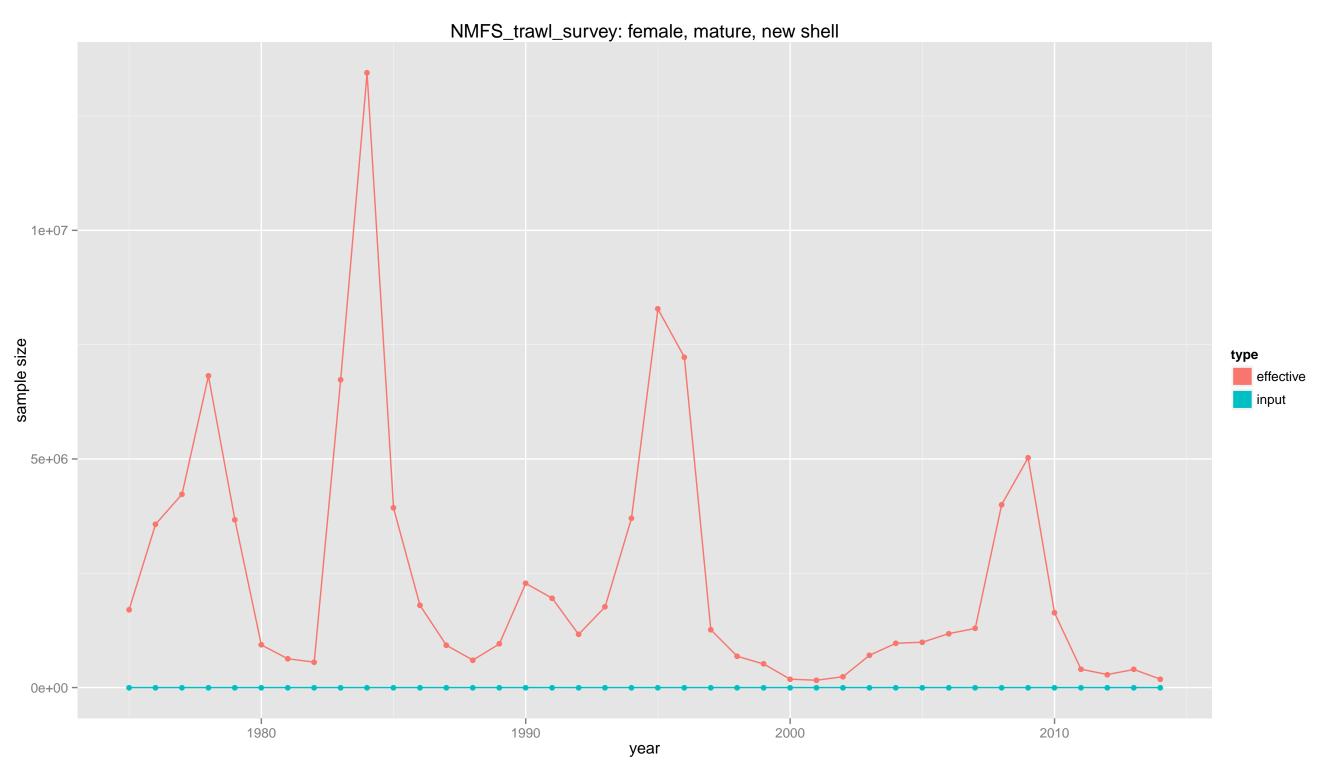


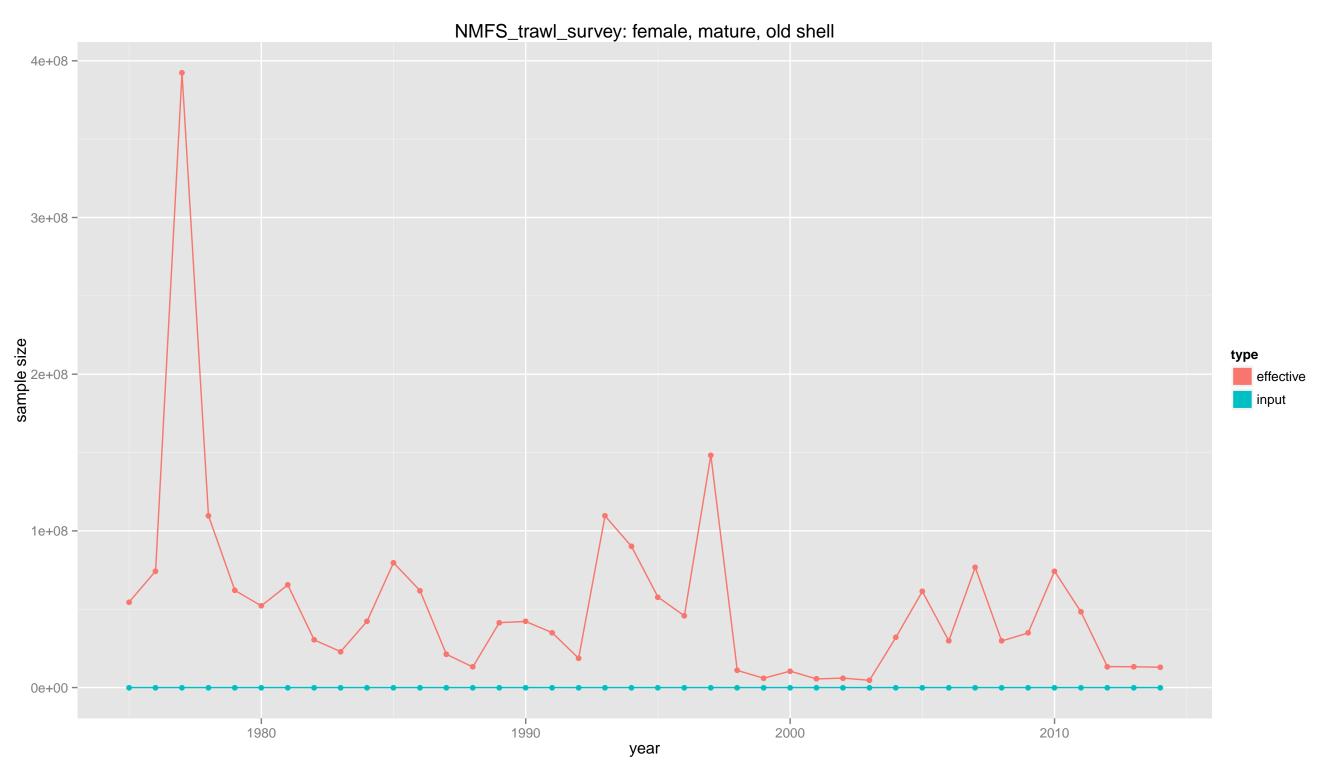






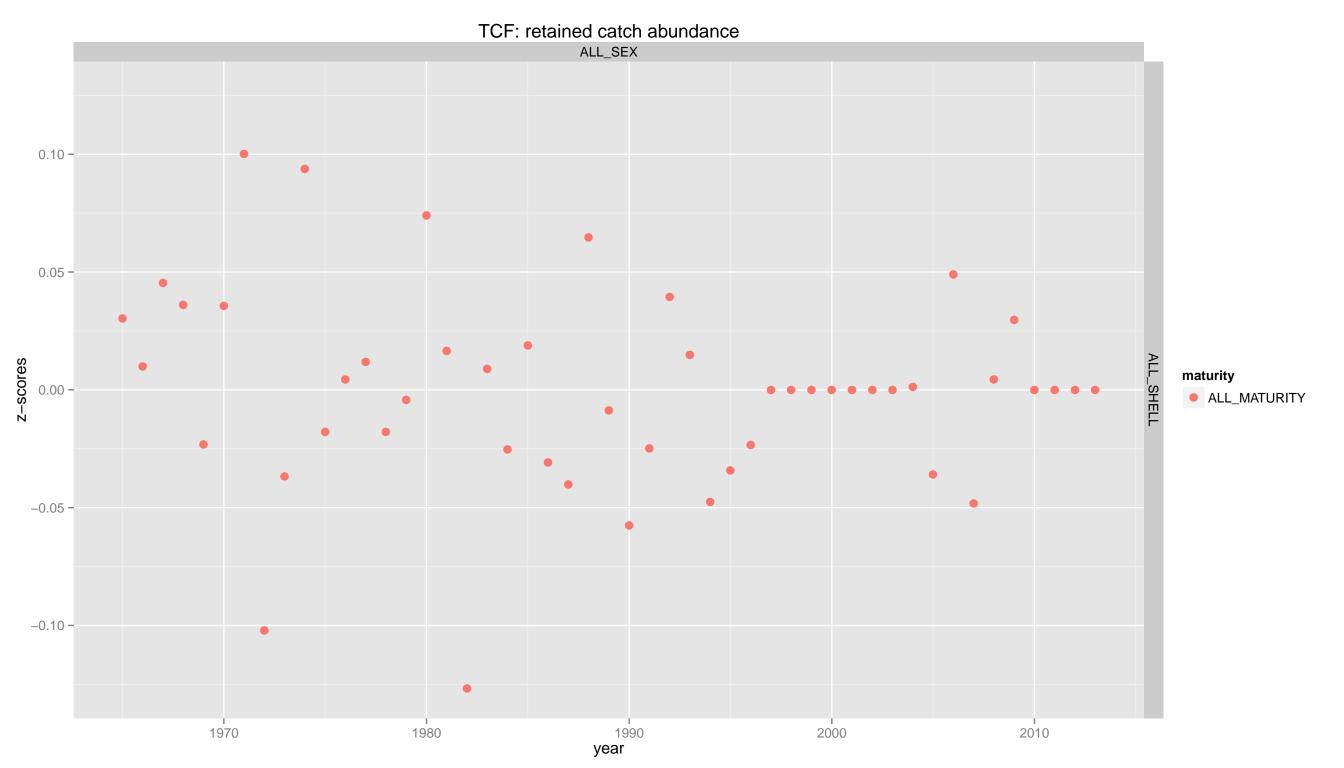




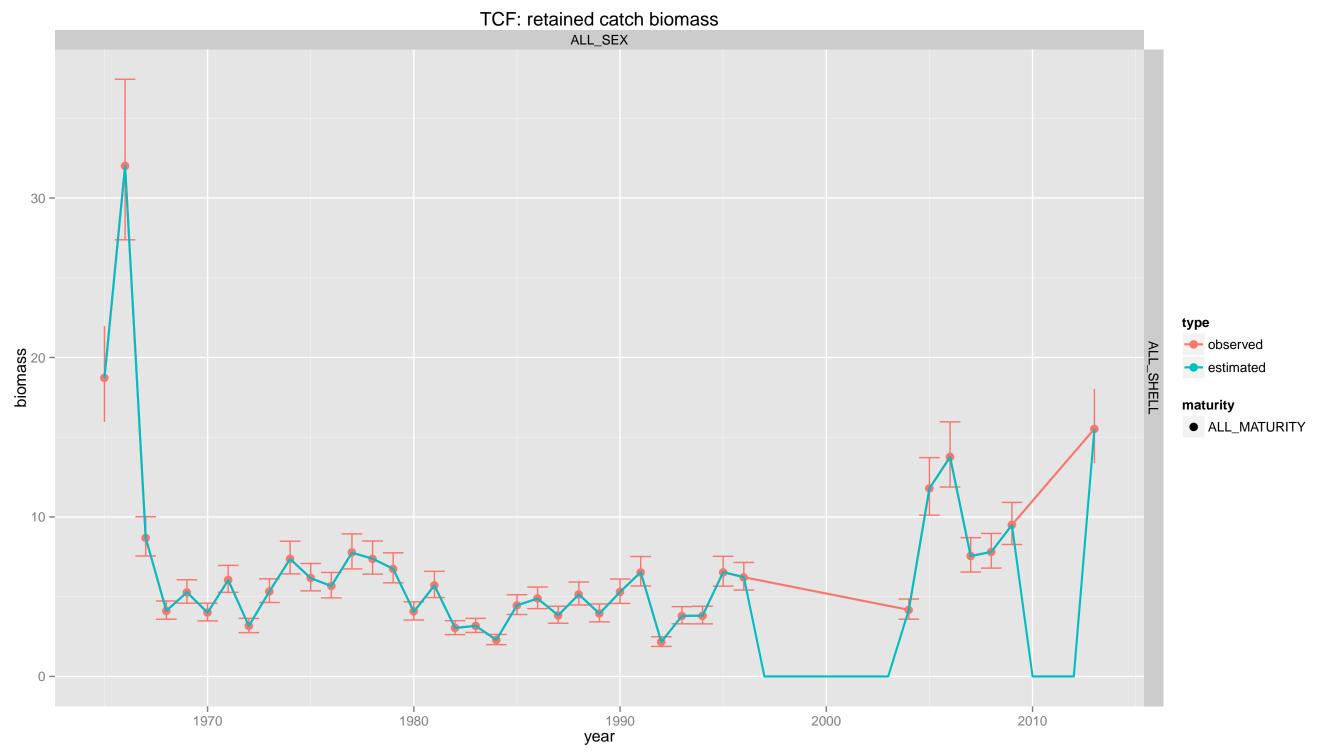


TCF: retained catch abundance ALL_SEX 25 -20 -15 type observed abundance ALL_SHELL -- estimated maturity • ALL_MATURITY 10 -5 -0 -1970 1990 2010 1980 2000 year

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



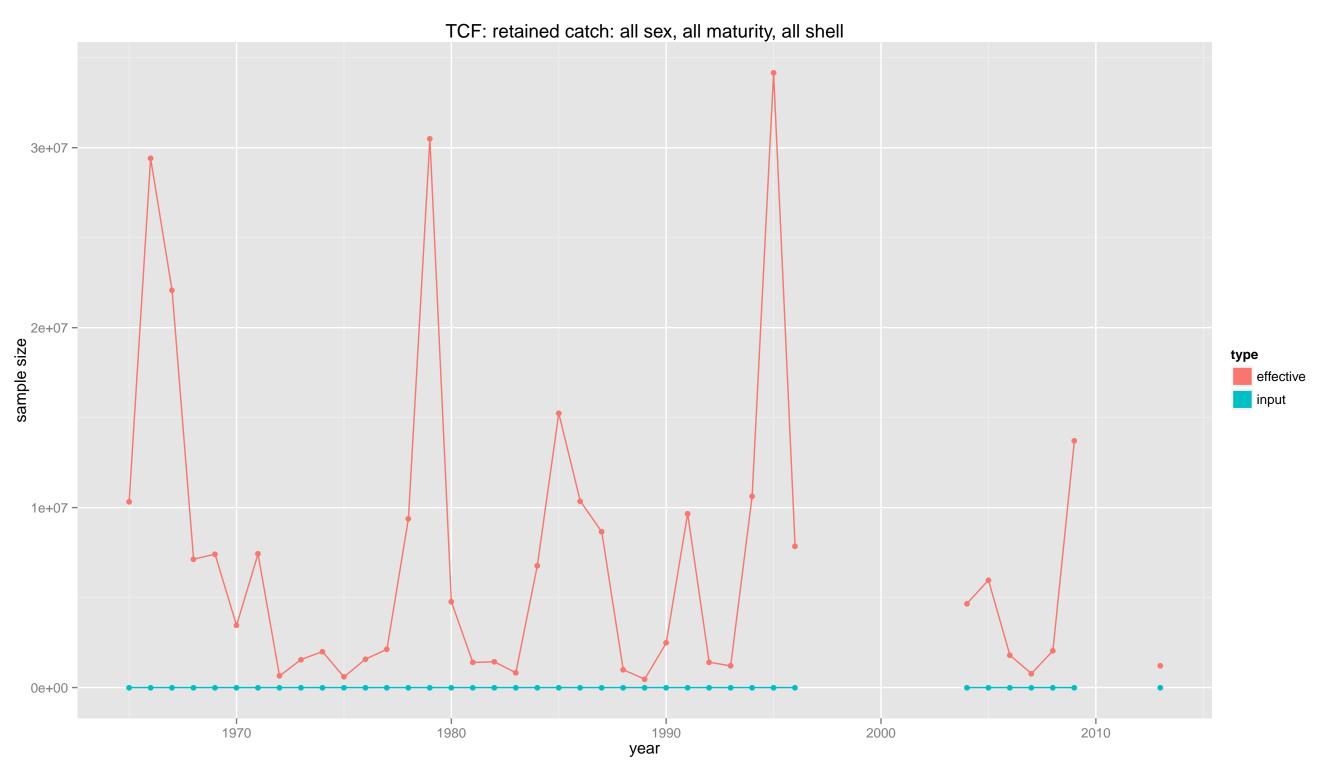
TCF: retained catch biomass ALL_SEX biomass [In-scale] maturity • ALL_MATURITY ALL_SHELL type observed -- estimated 1990 year 1970 1980 2000 2010

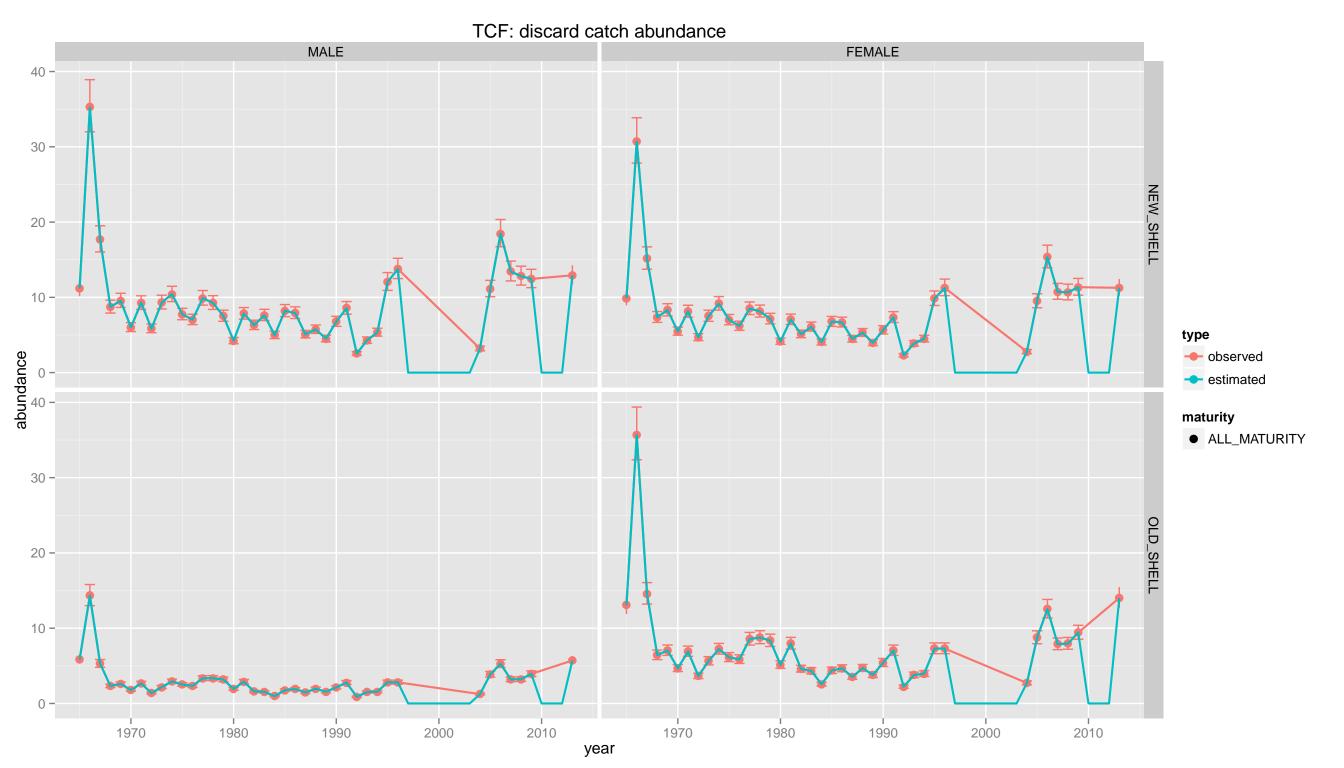
TCF: retained catch biomass ALL_SEX 0.06 -0.03 -**Z-SCOres** maturity ALL_MATURITY -0.03 --0.06 **-**1970 2010 1980 1990 2000 year

TCF: retained catch:

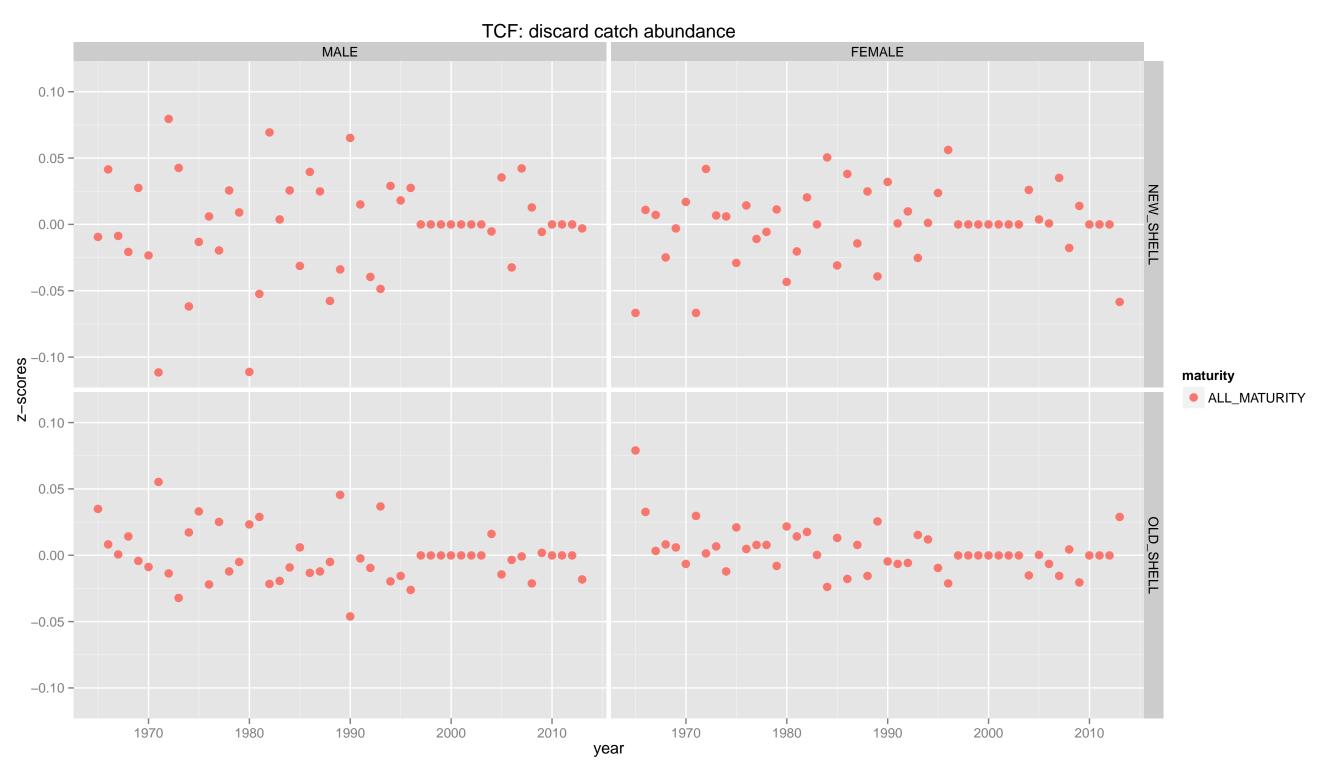


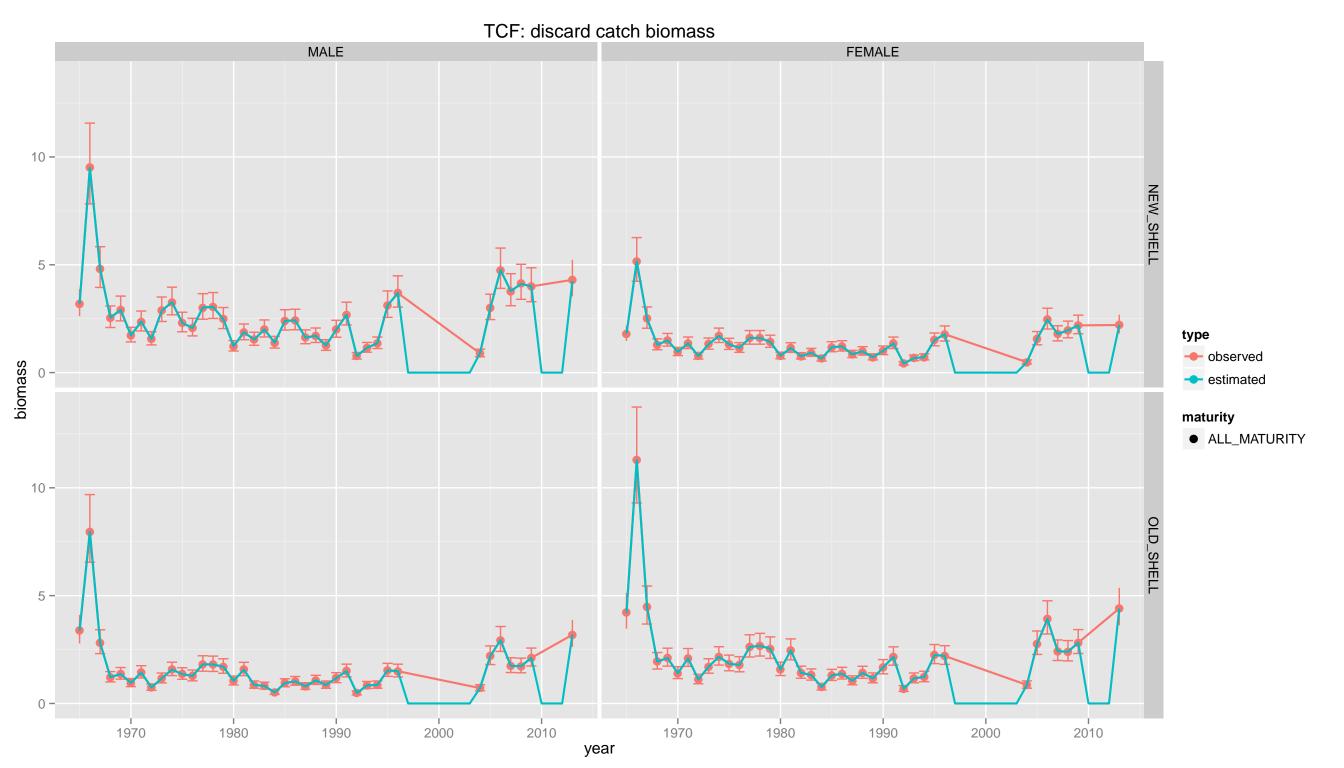






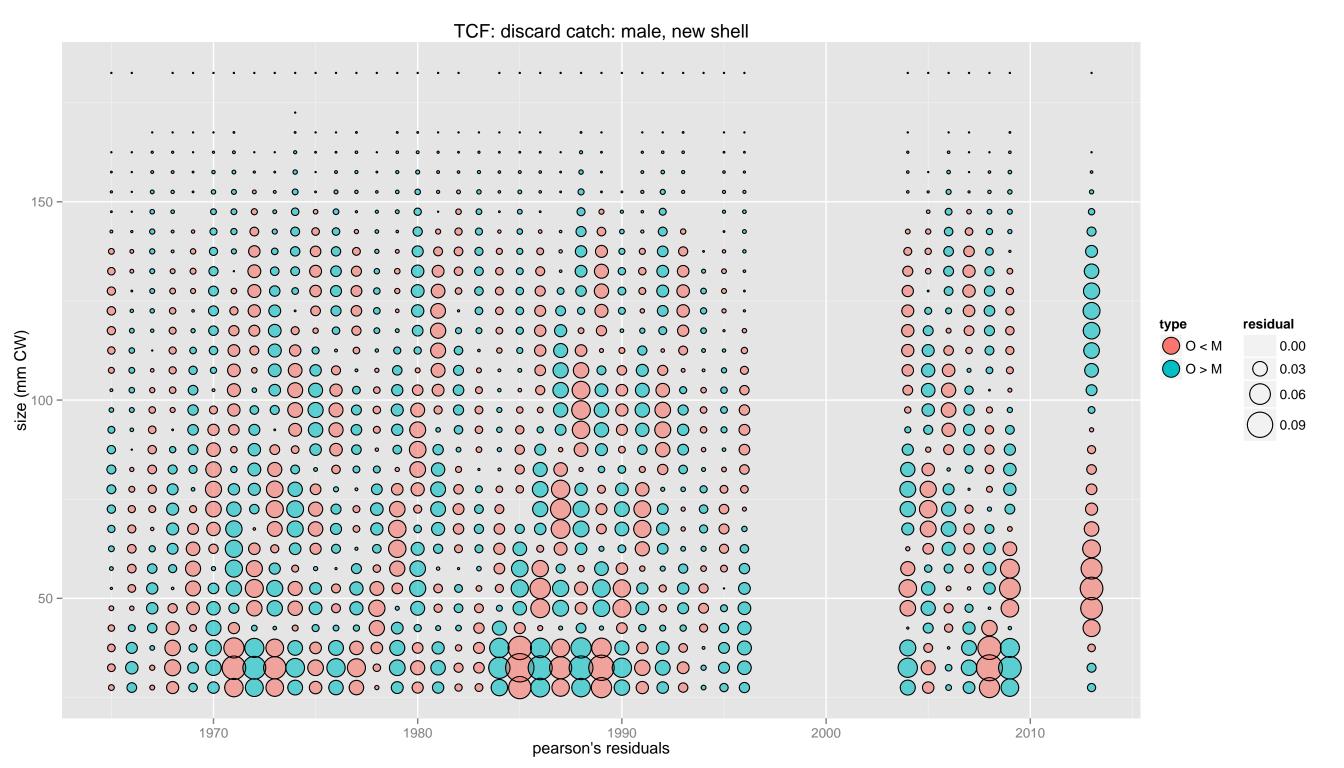


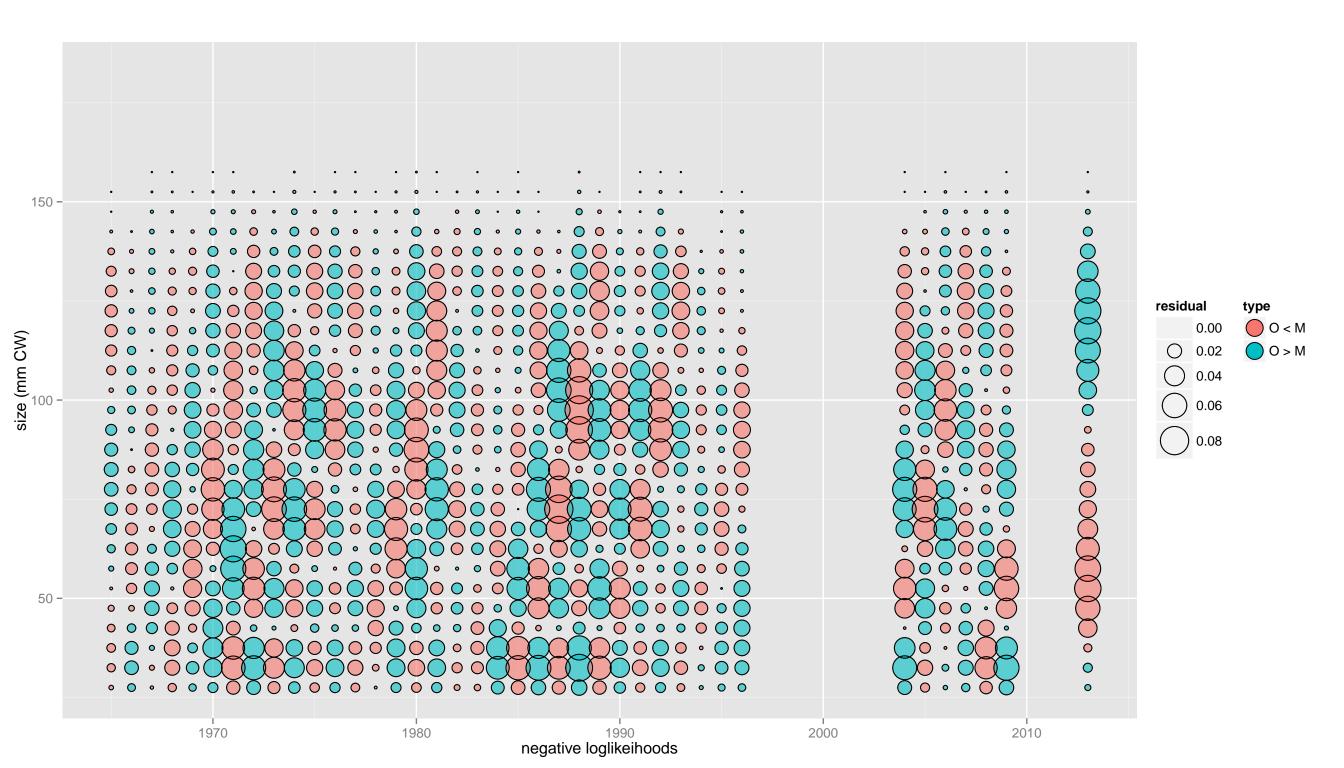


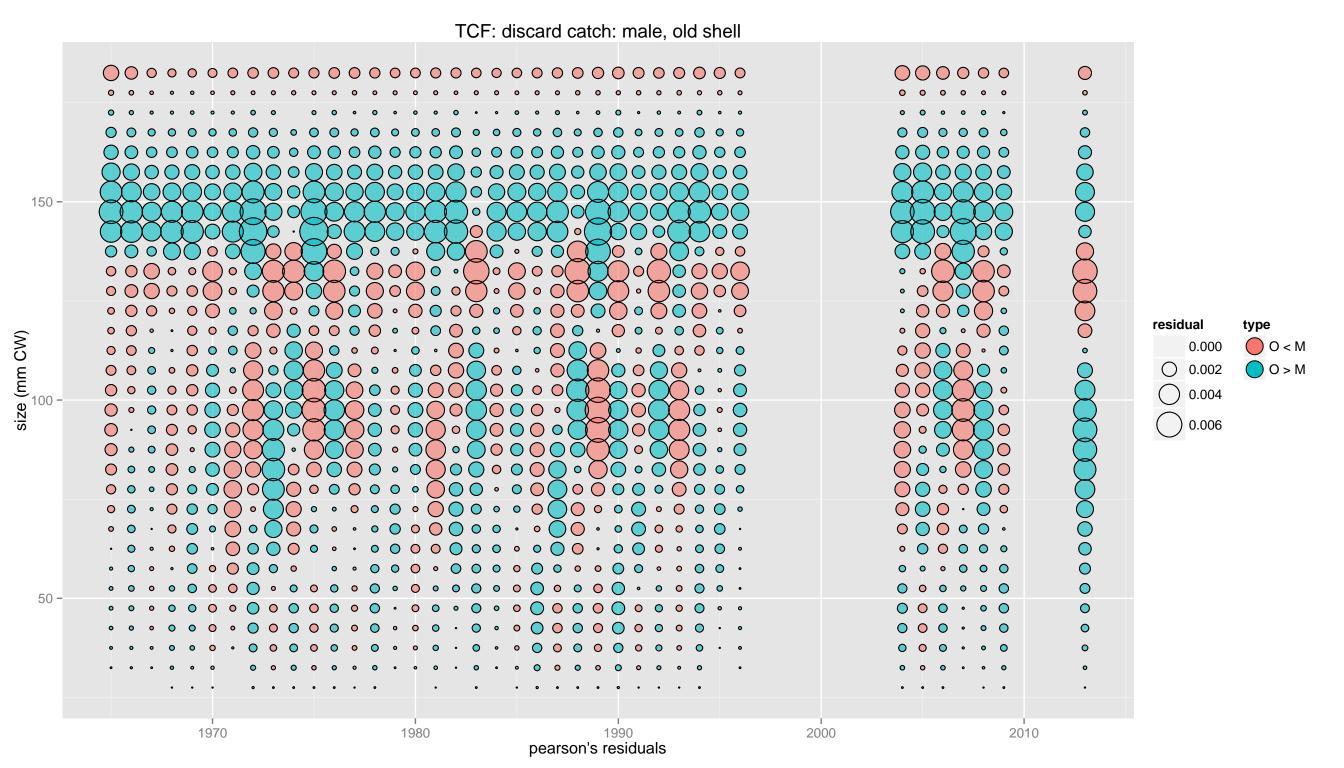




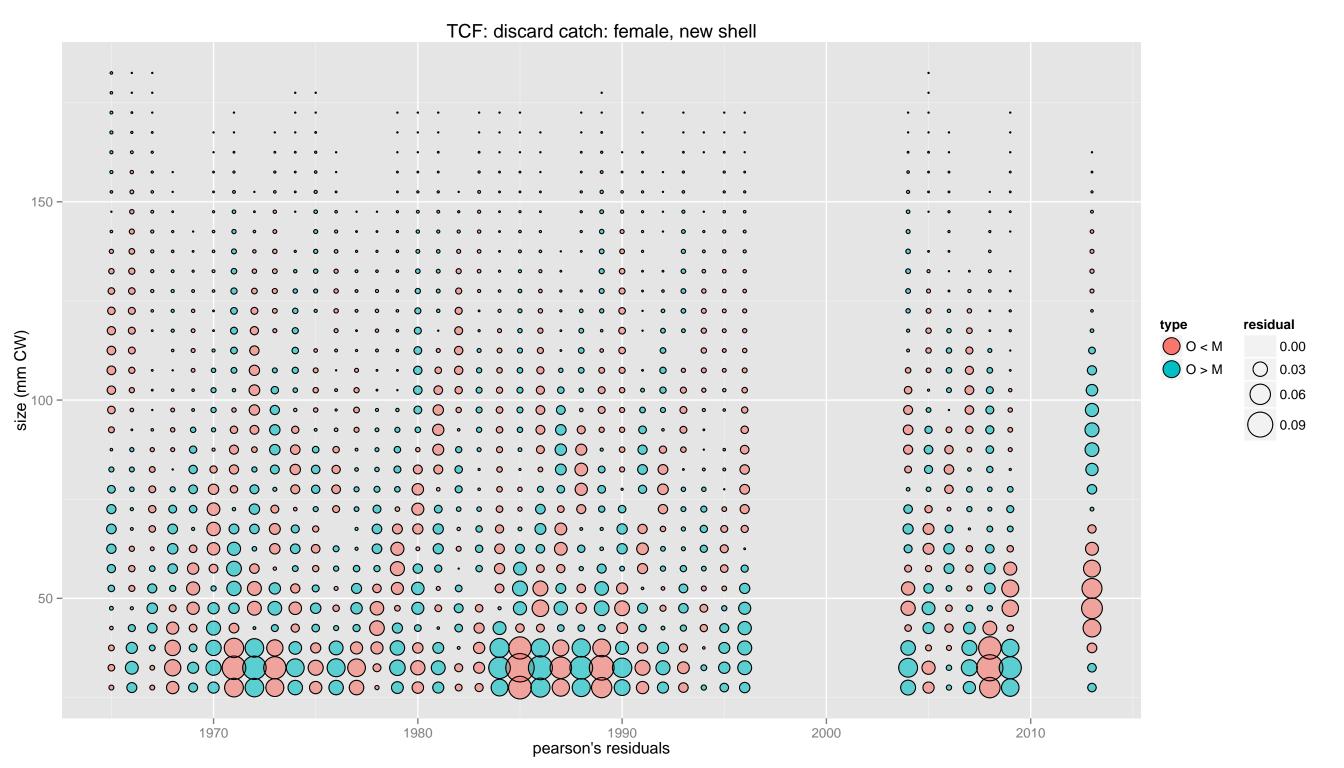






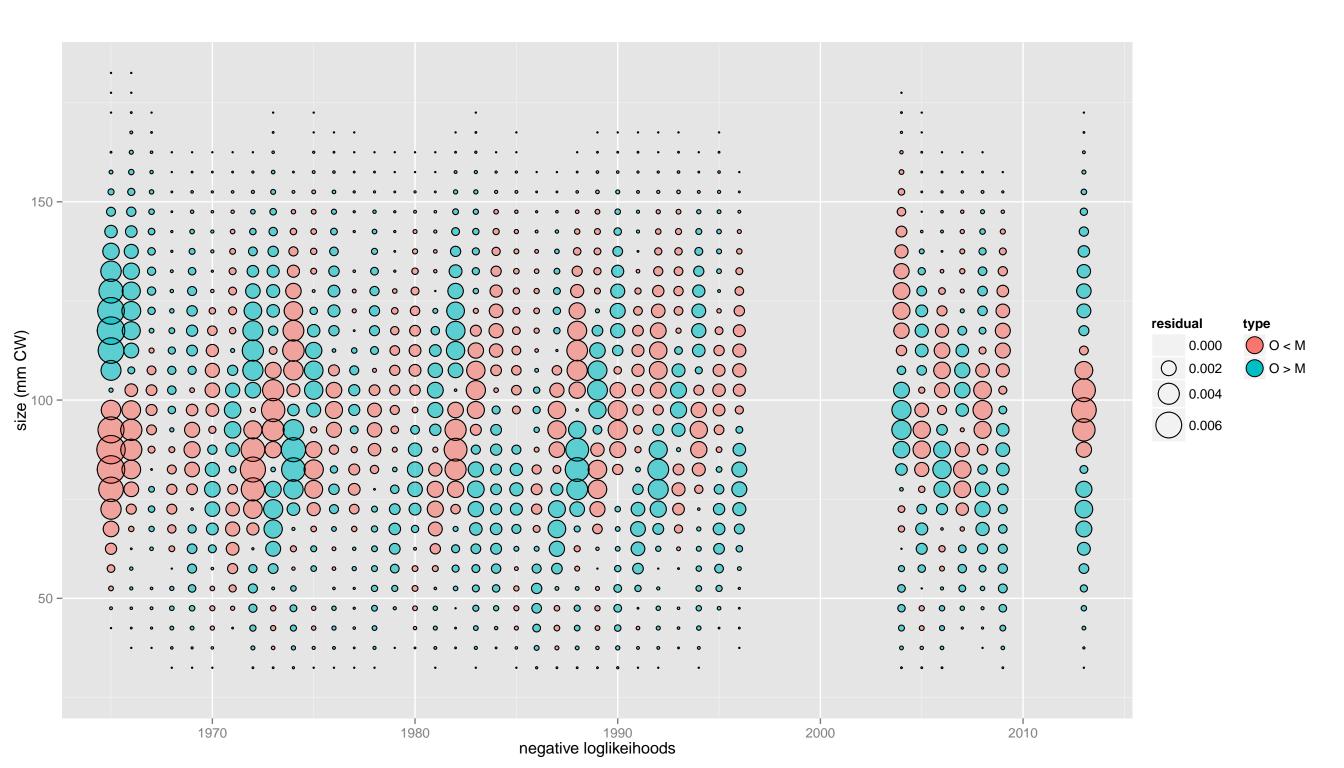


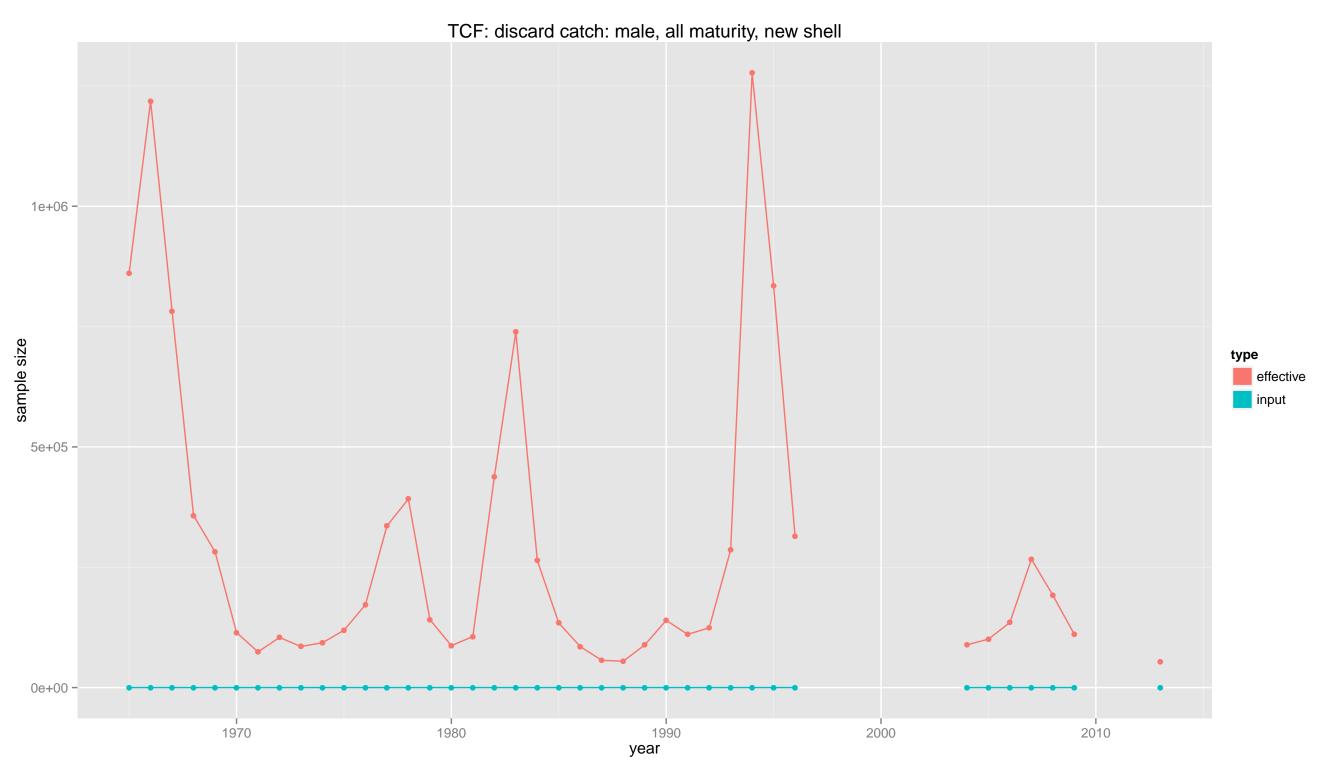


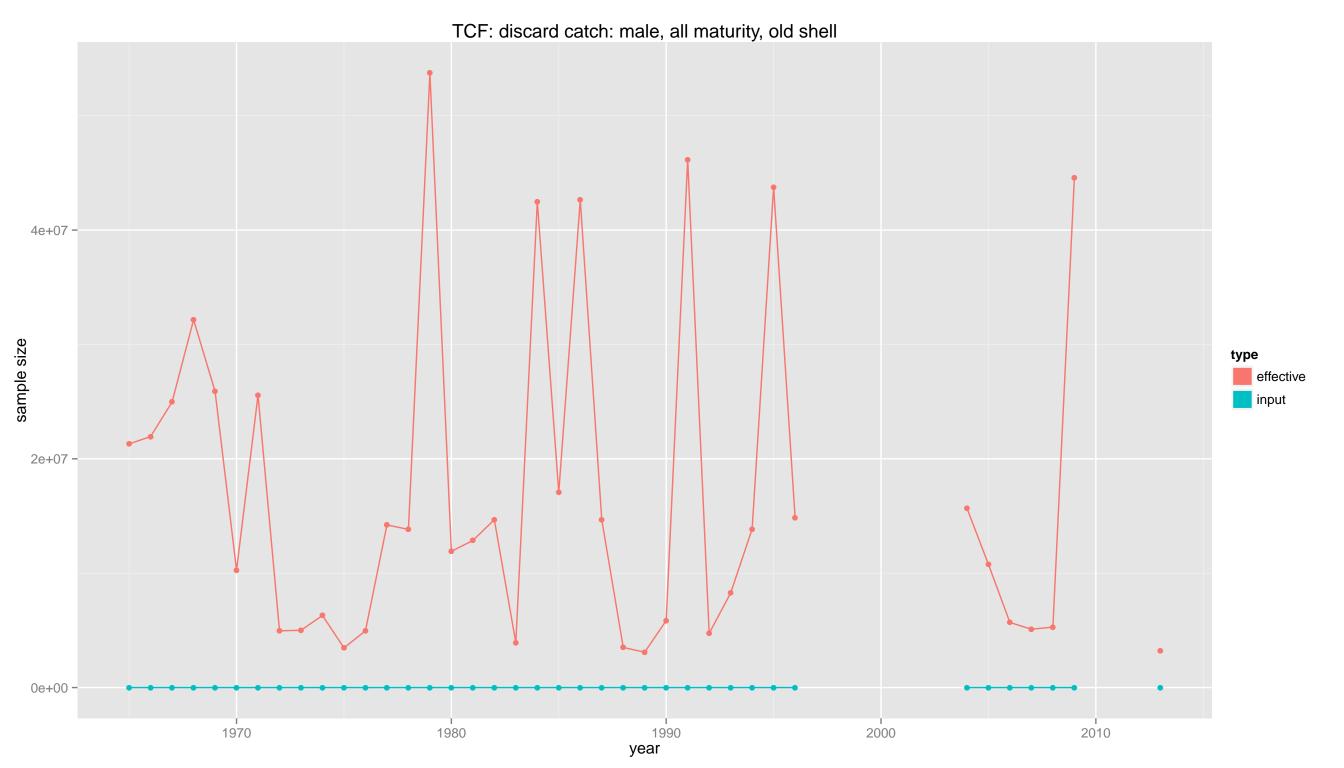


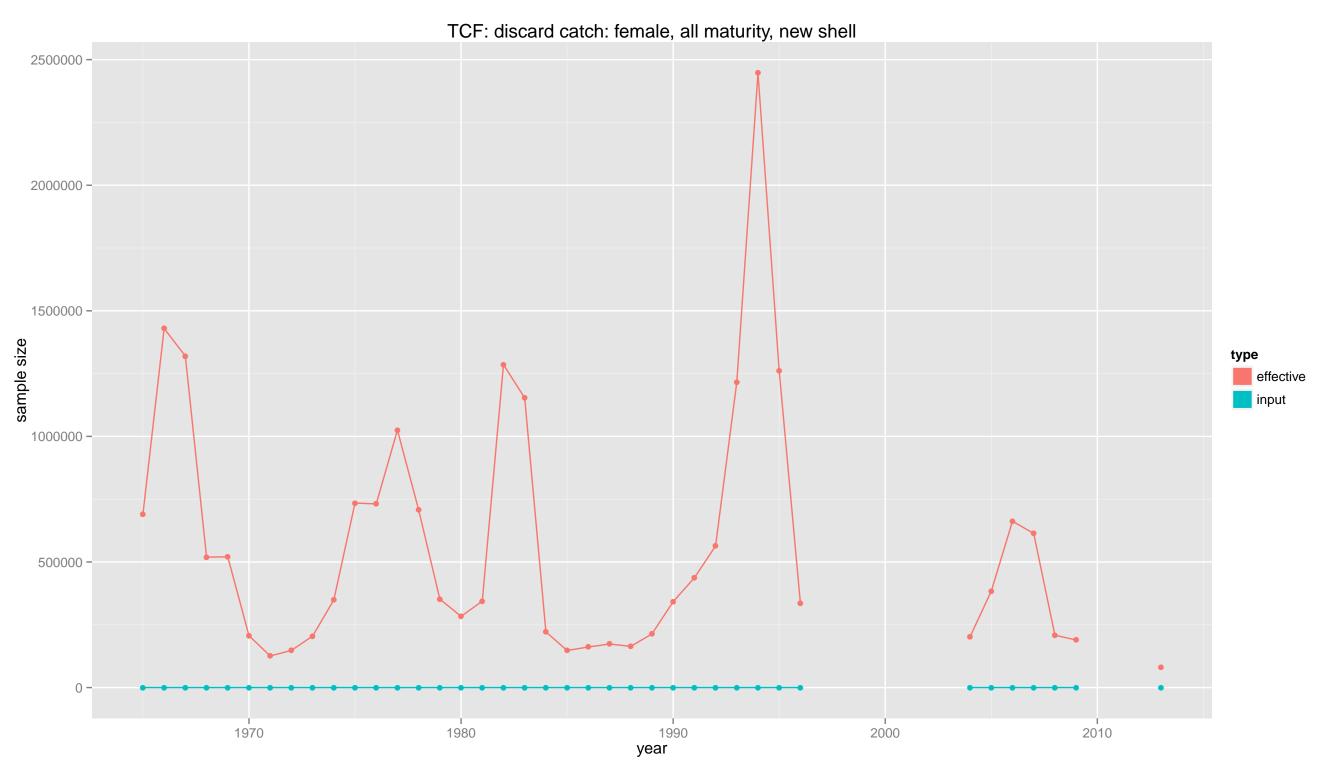


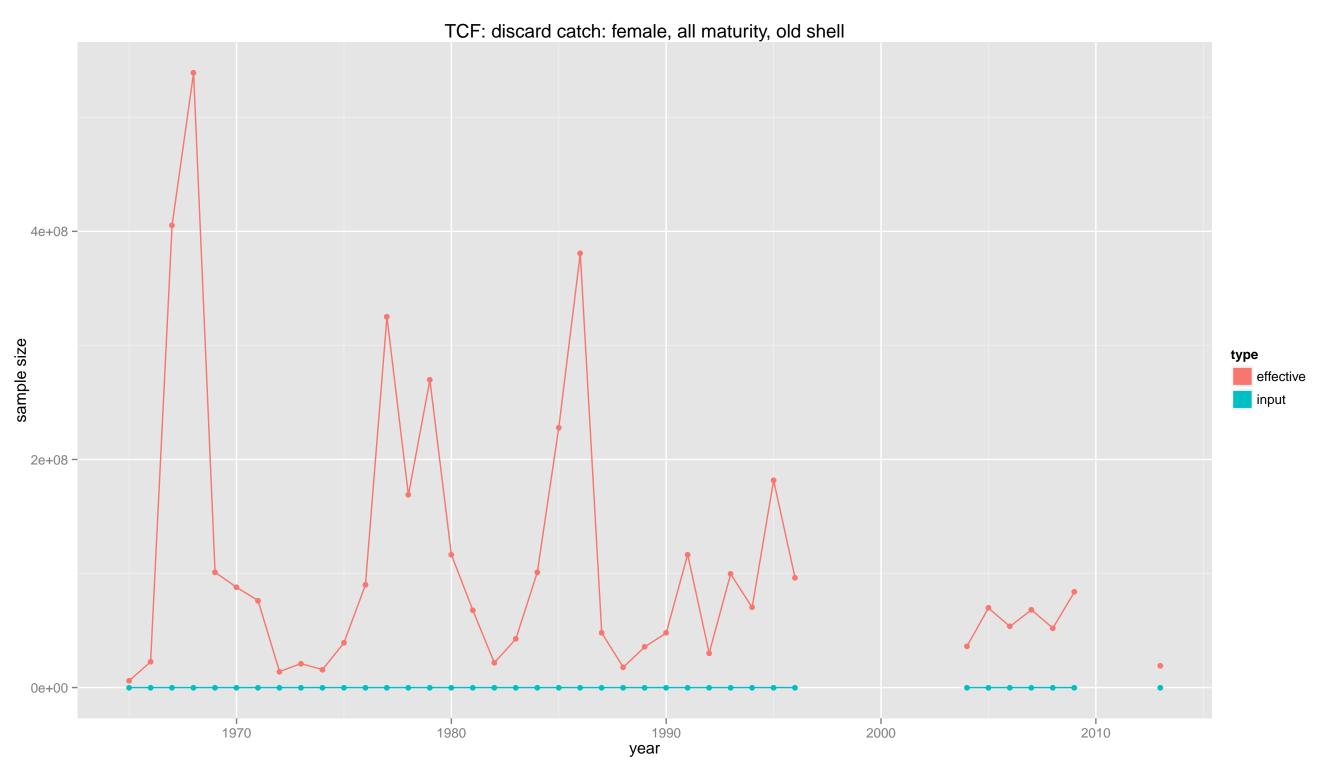


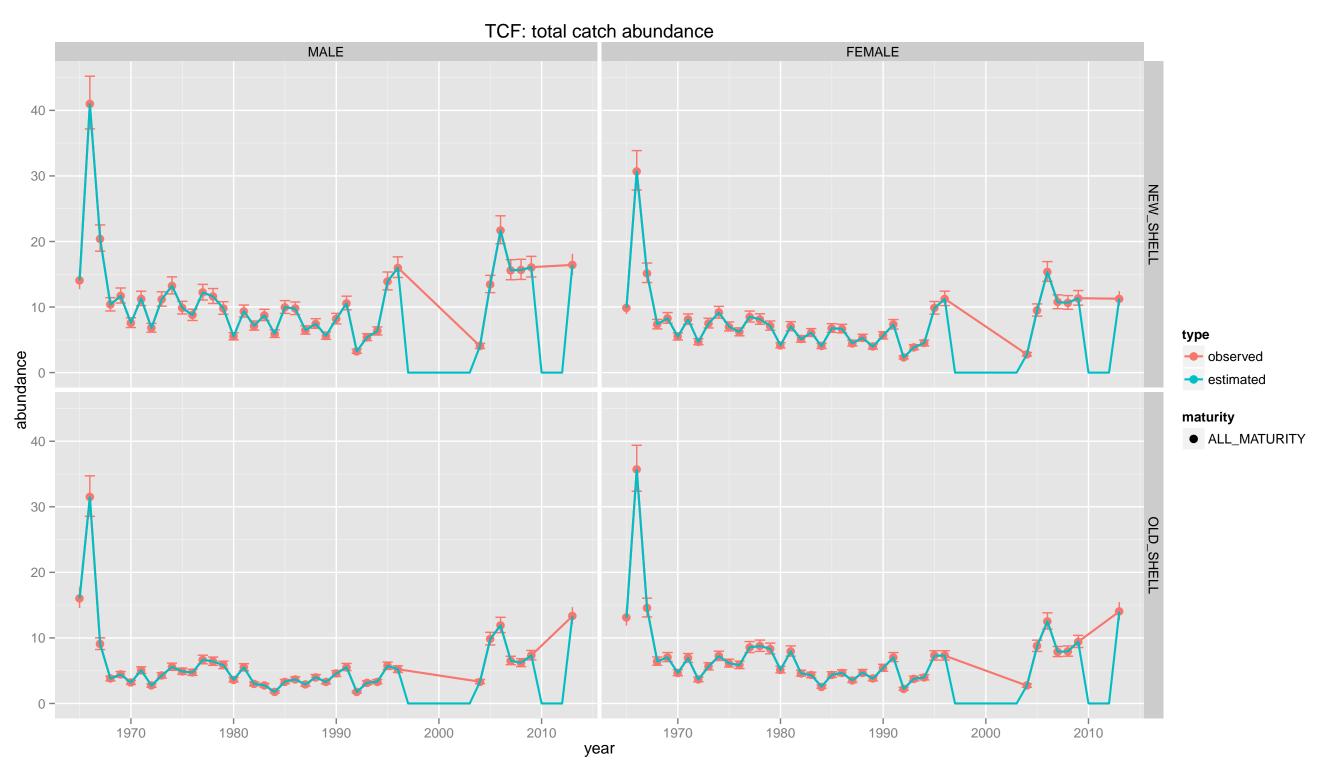






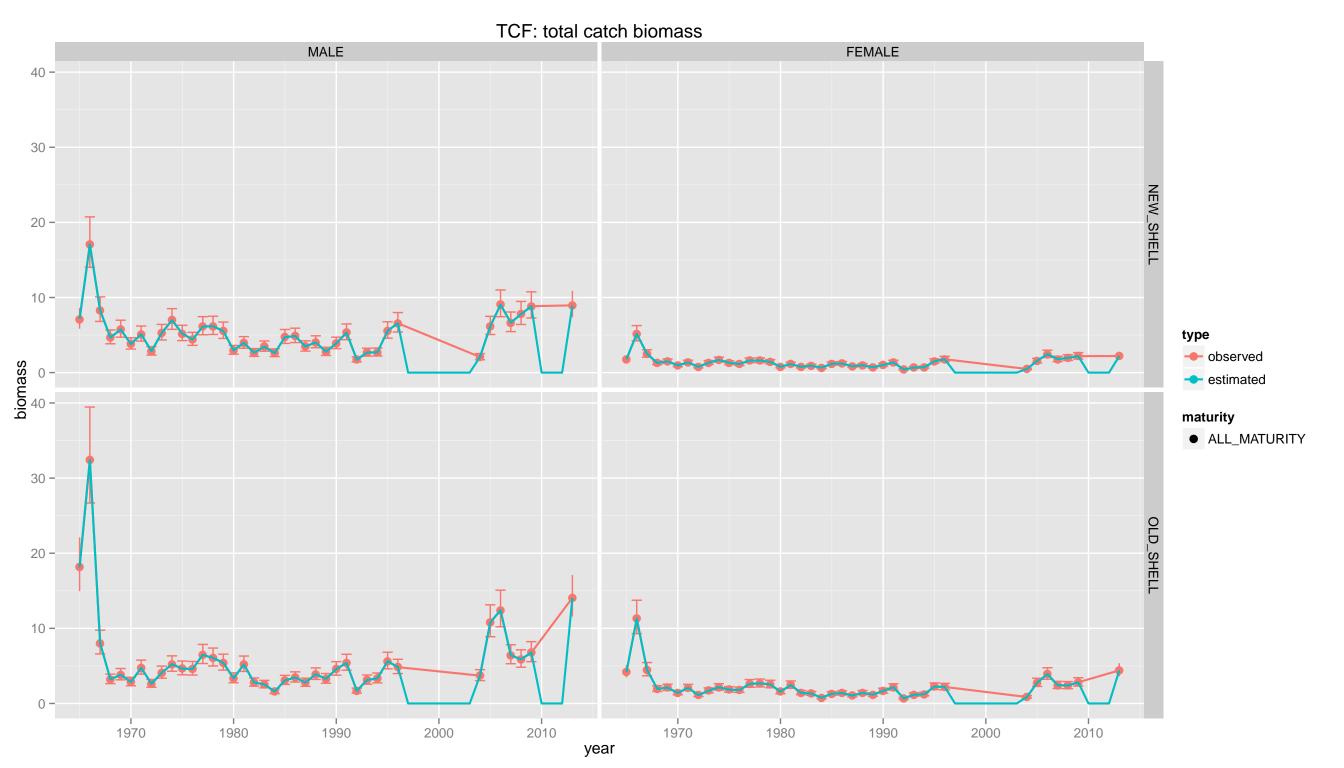




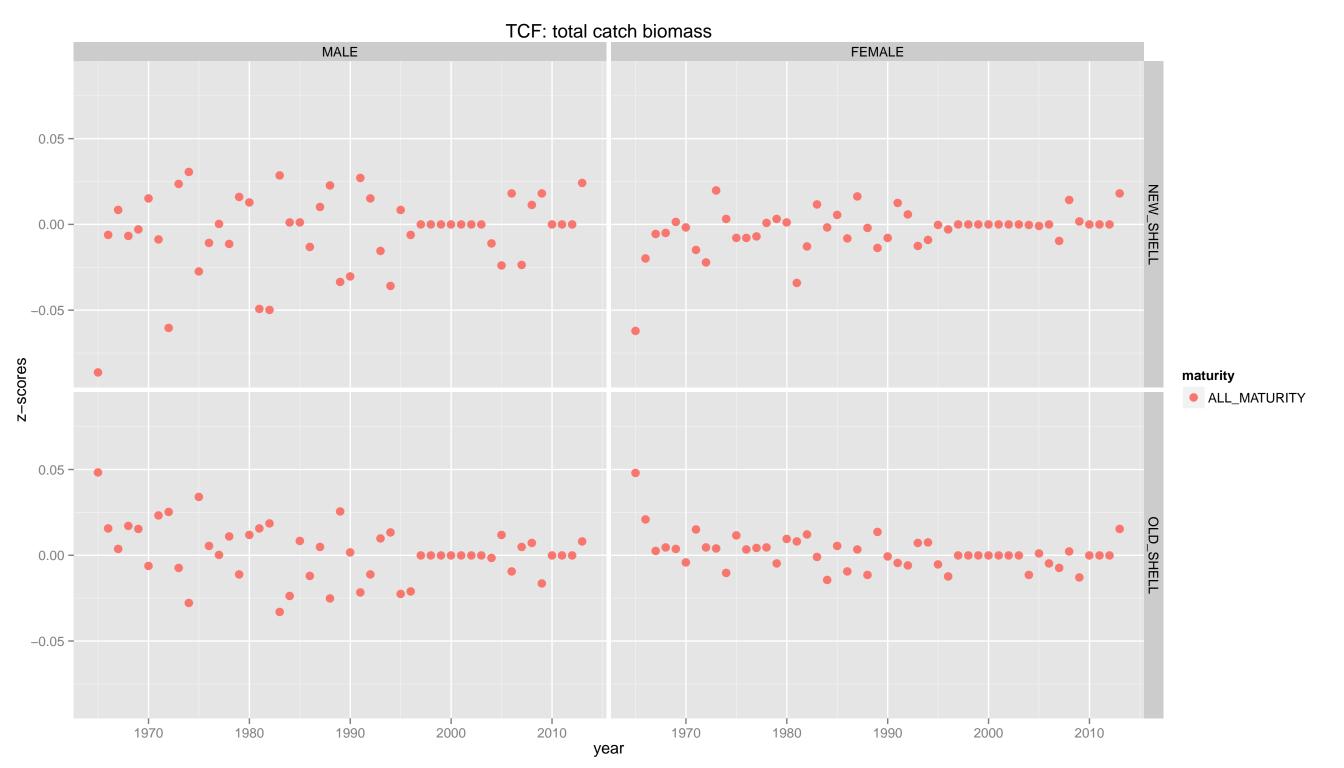


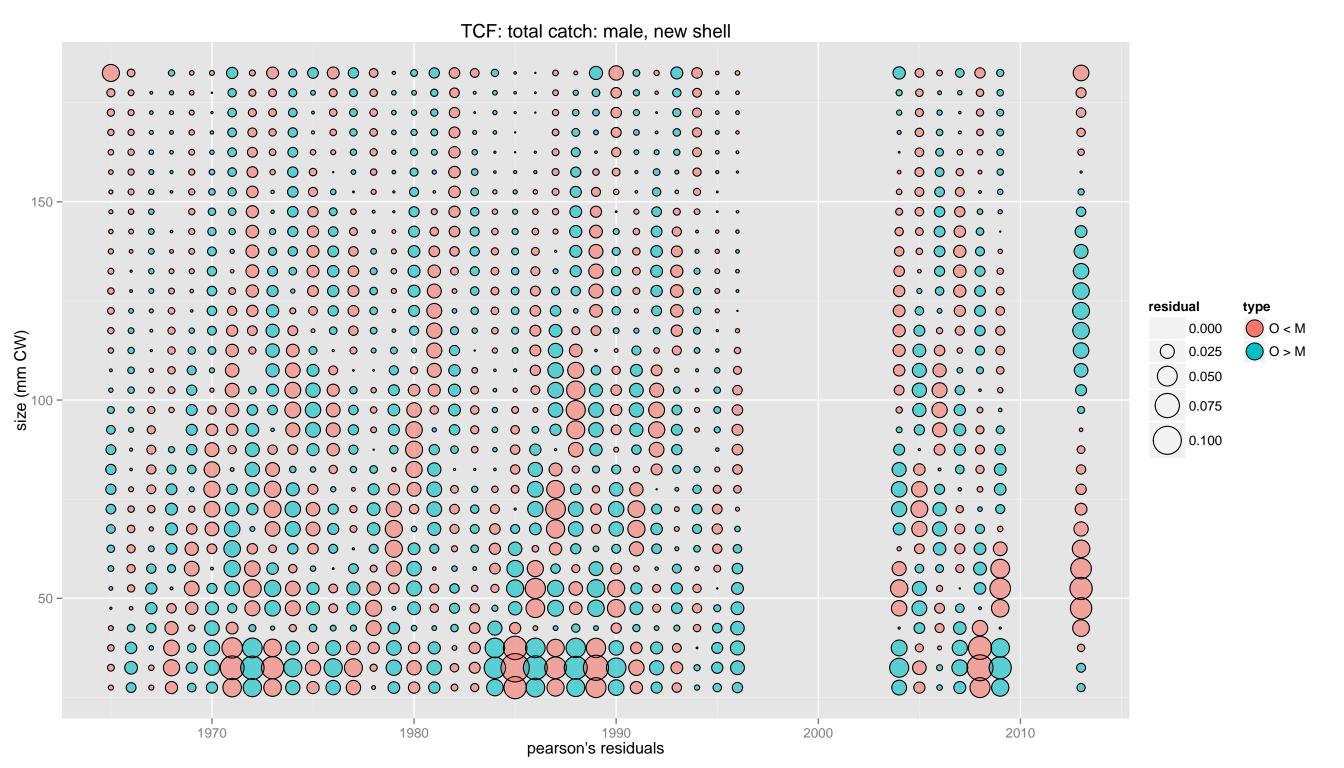


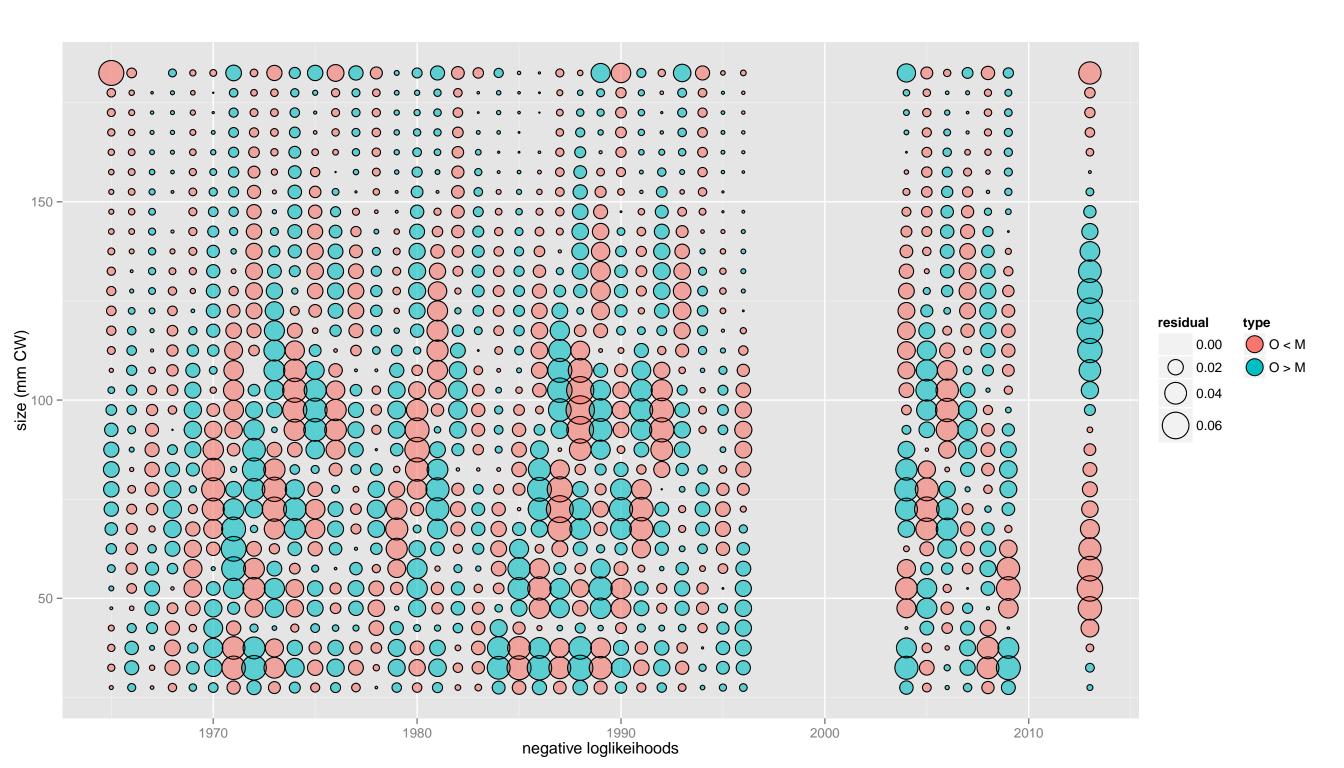












TCF: total catch: male, old shell \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc 150 -residual type size (mm CW) 0.005 0000.0000 0 0 0 0 0 0 0 0 0 0 0 0 50 -2000 1970 1980 1990 2010 pearson's residuals



