

Plots created using the 'r4ss' package in R

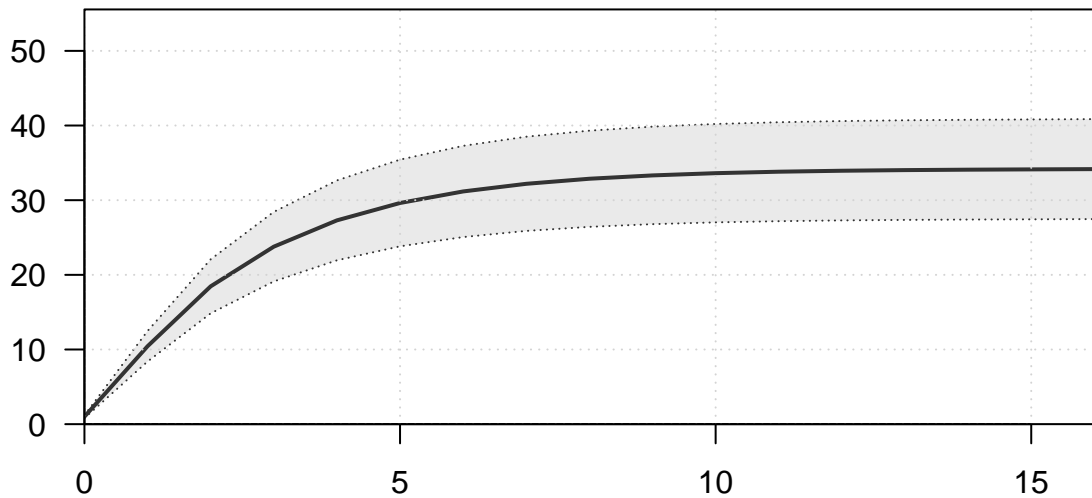
Stock Synthesis version: 3.30.19.0

StartTime: Fri Jul 01 13:24:02 2022

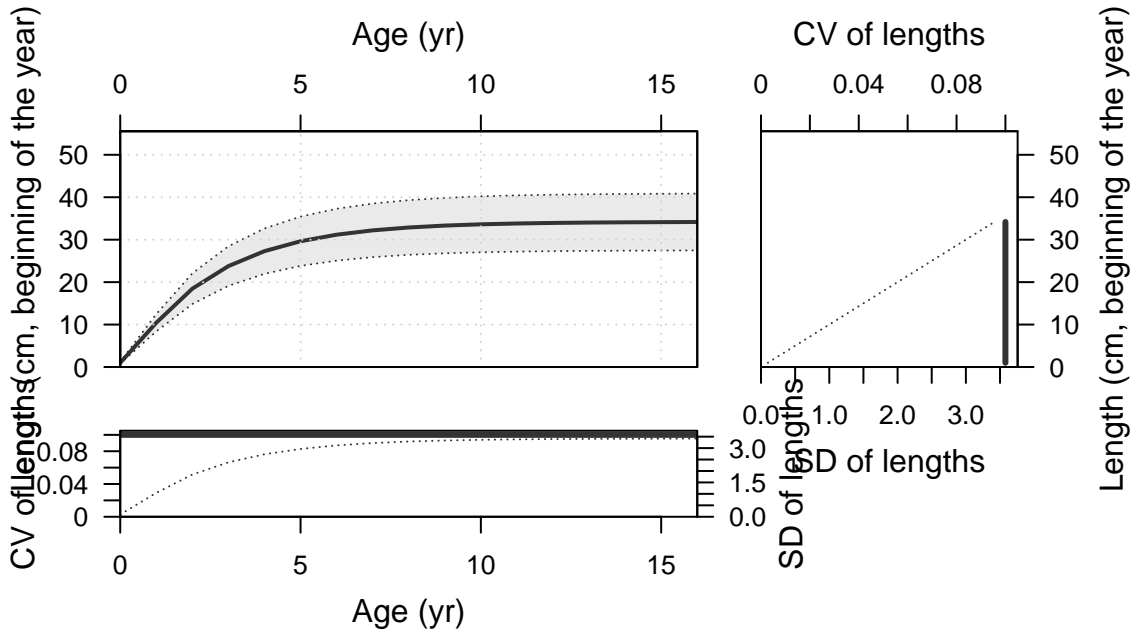
Data\_File: data.ss

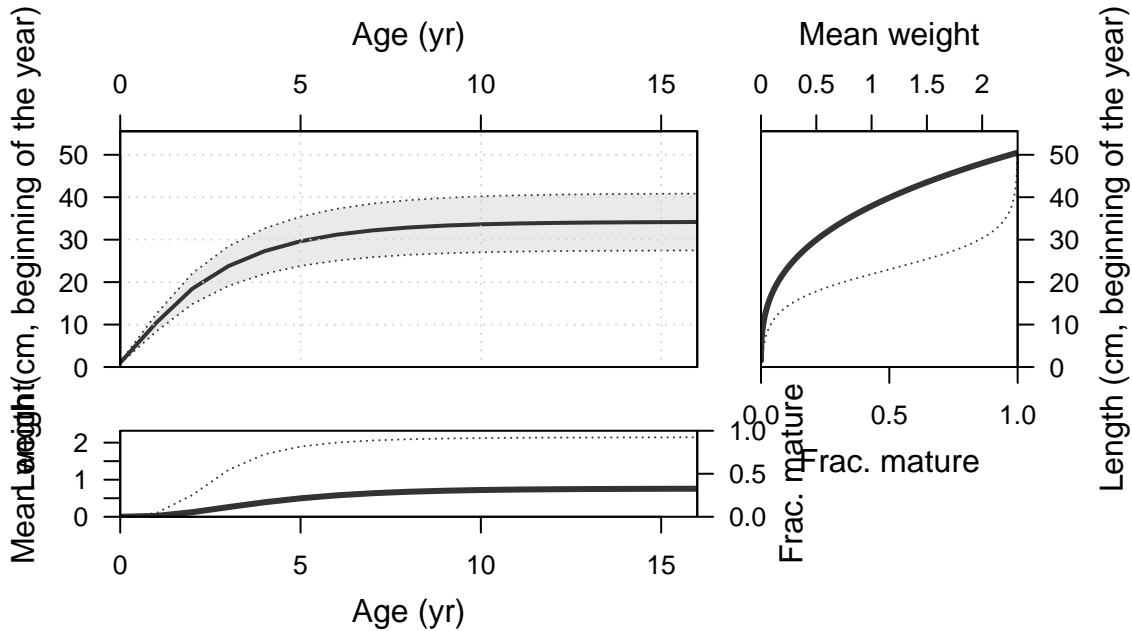
Control\_File: control.ss

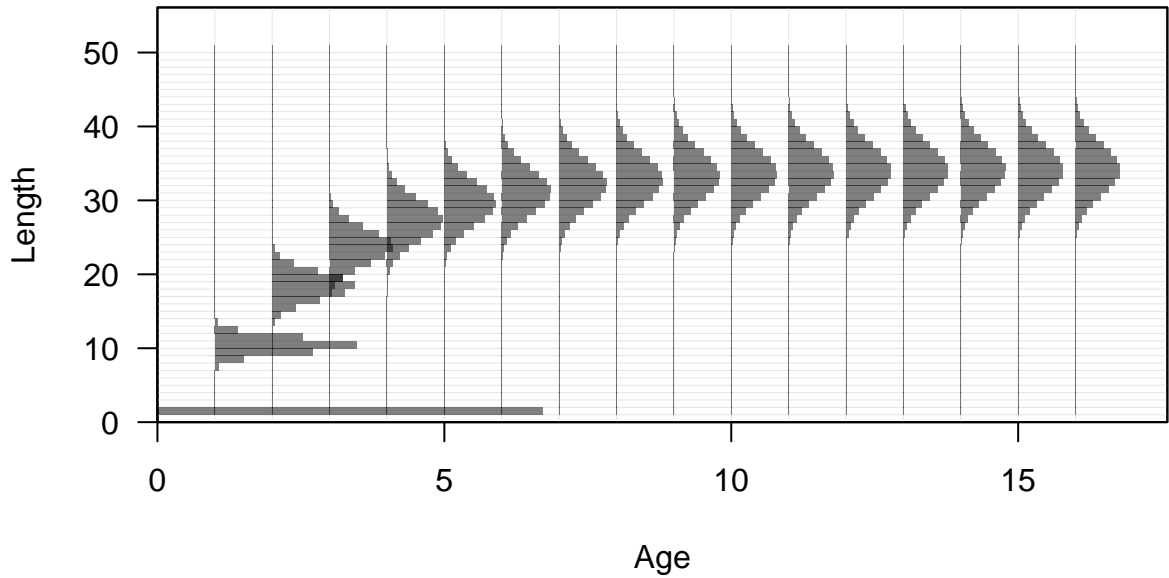
Length (cm, beginning of the year)

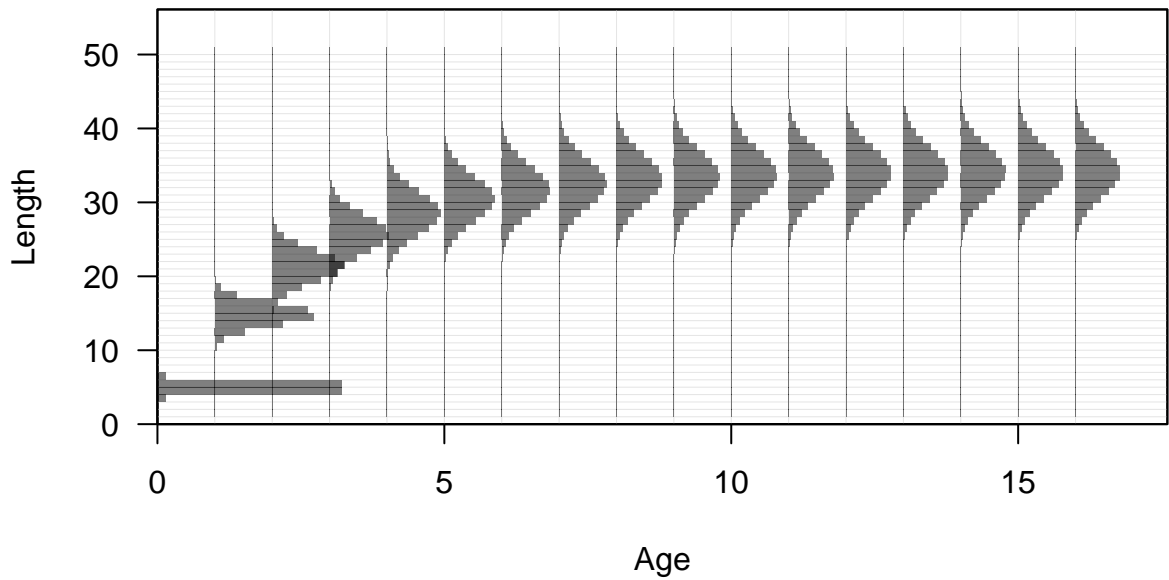


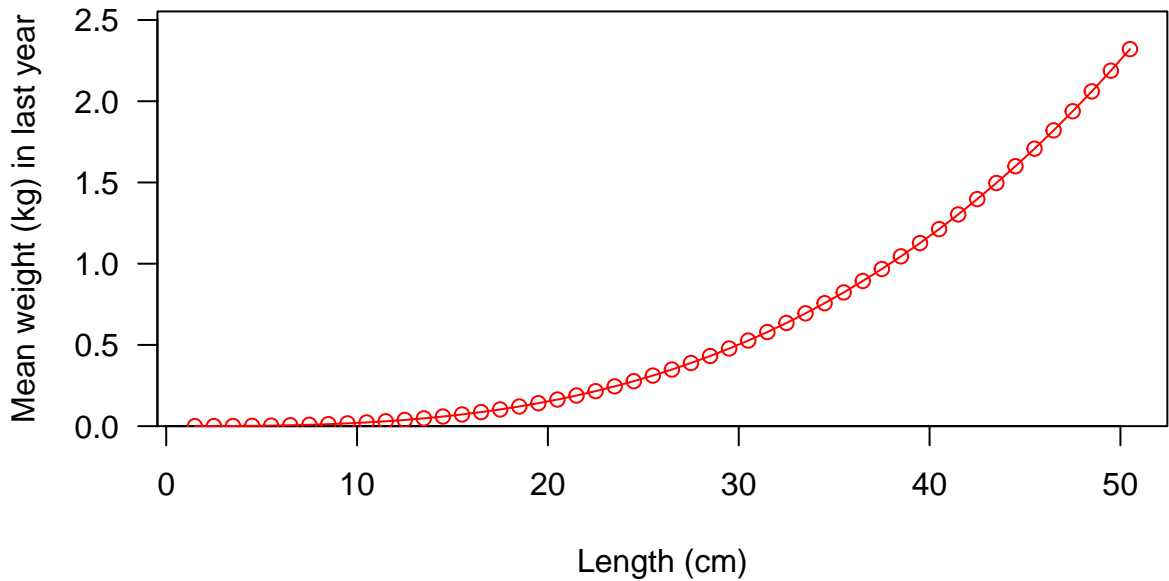
Age (yr)

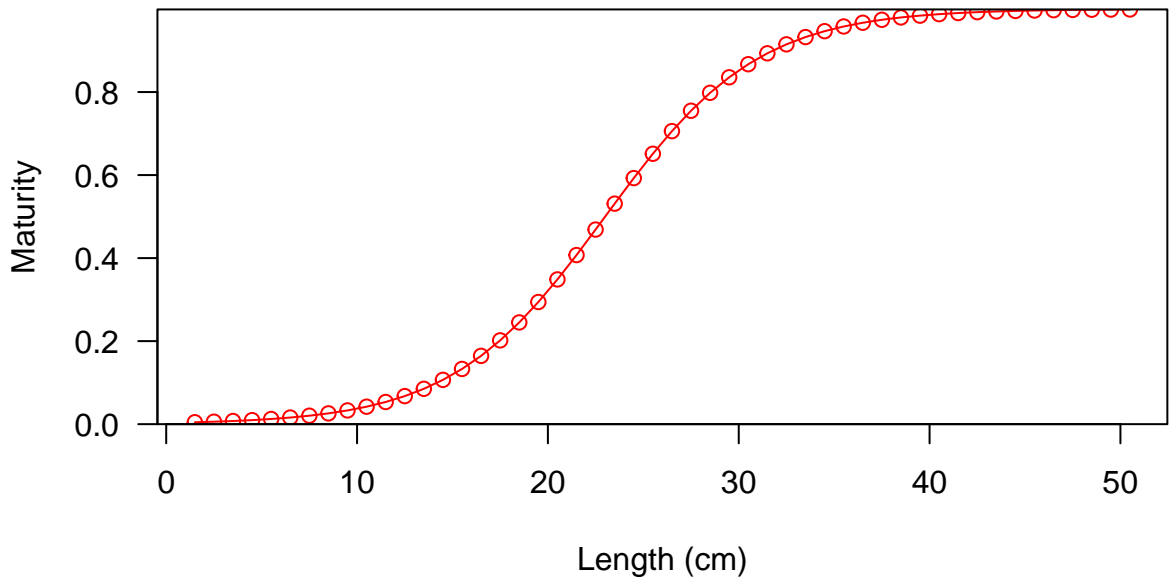




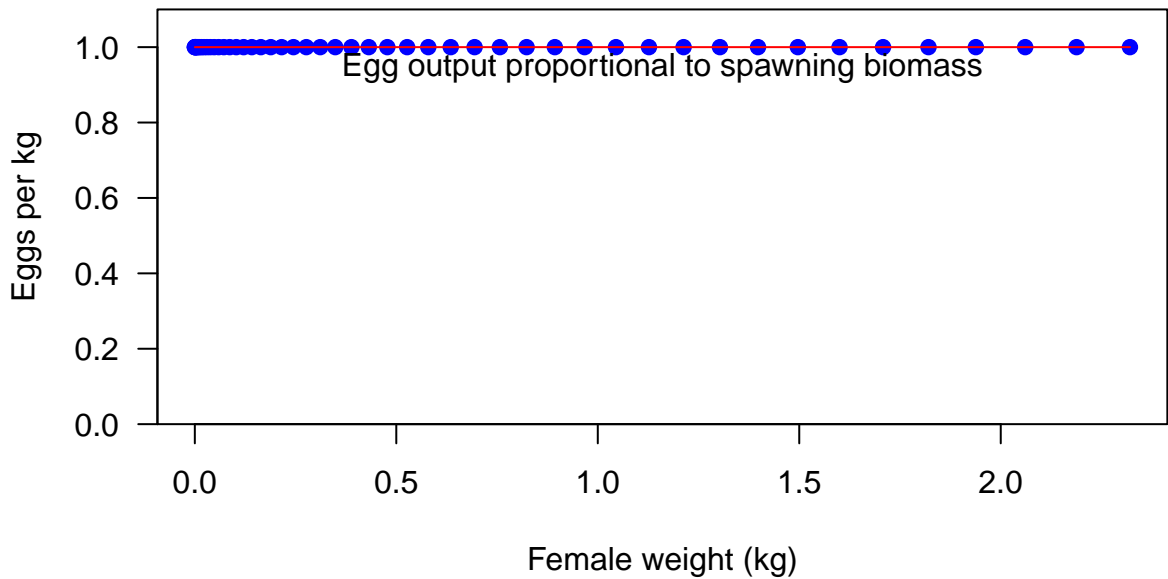


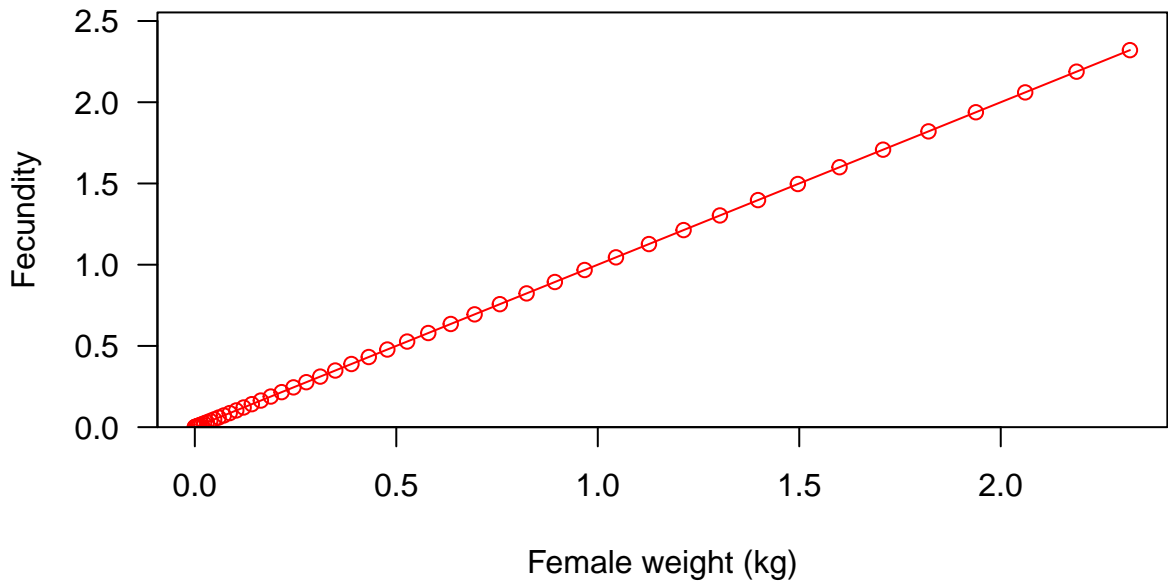


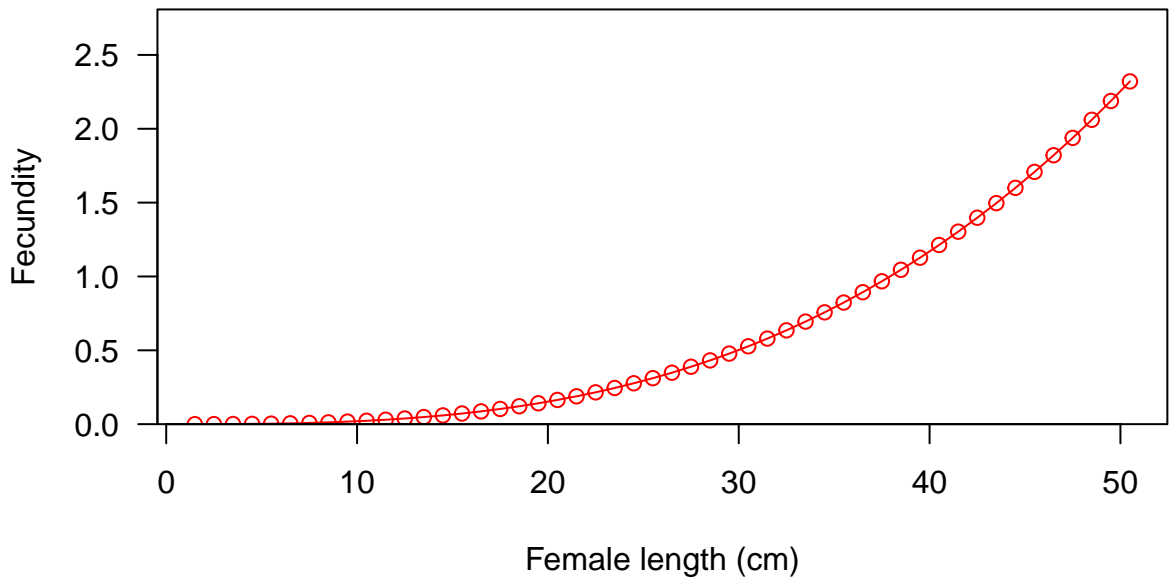


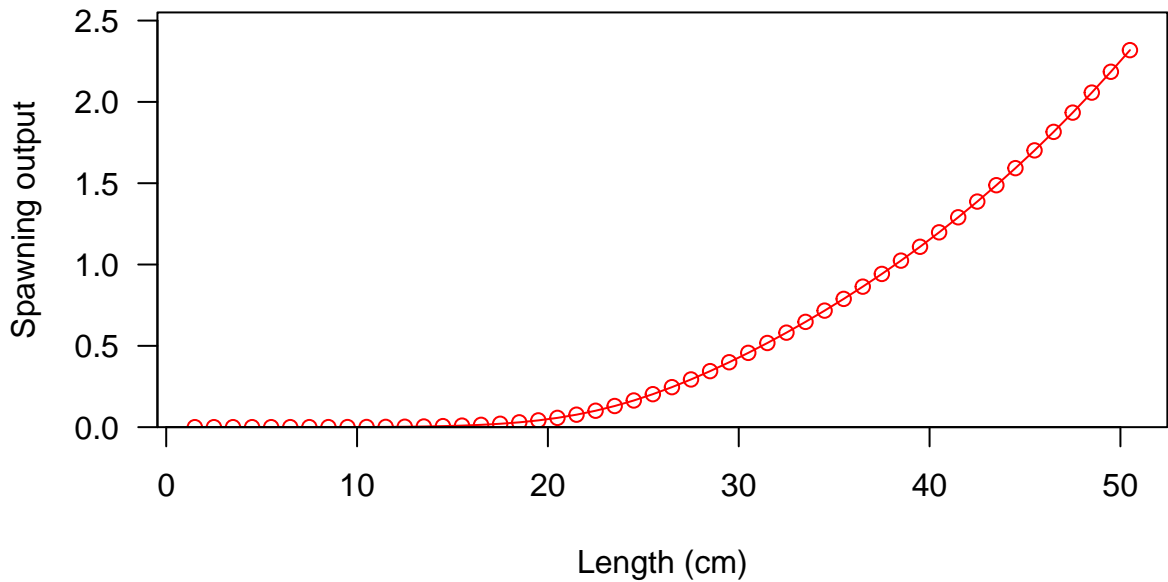


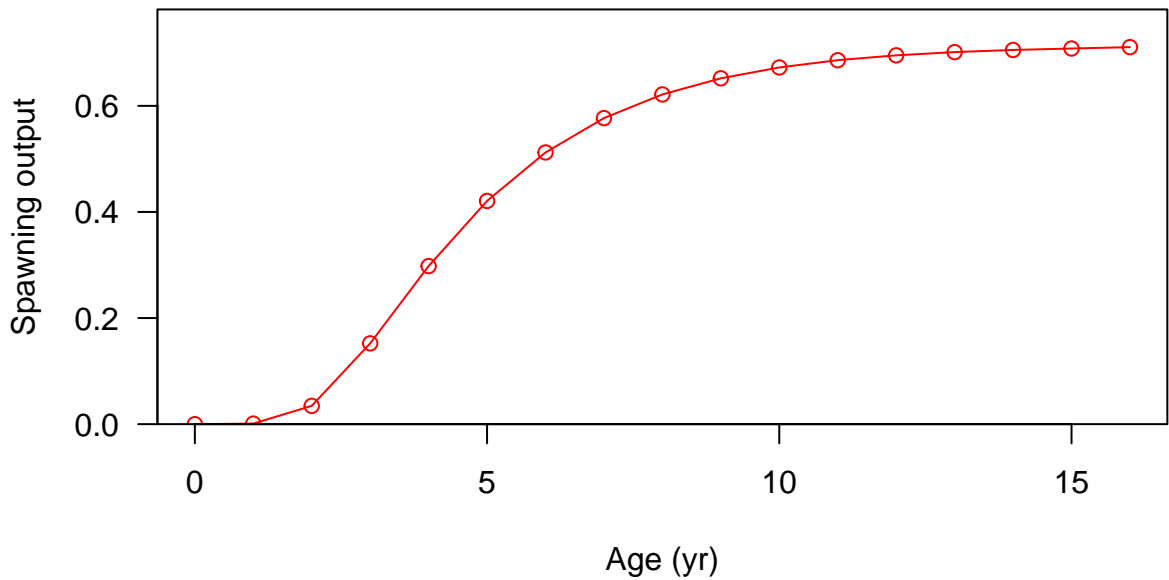




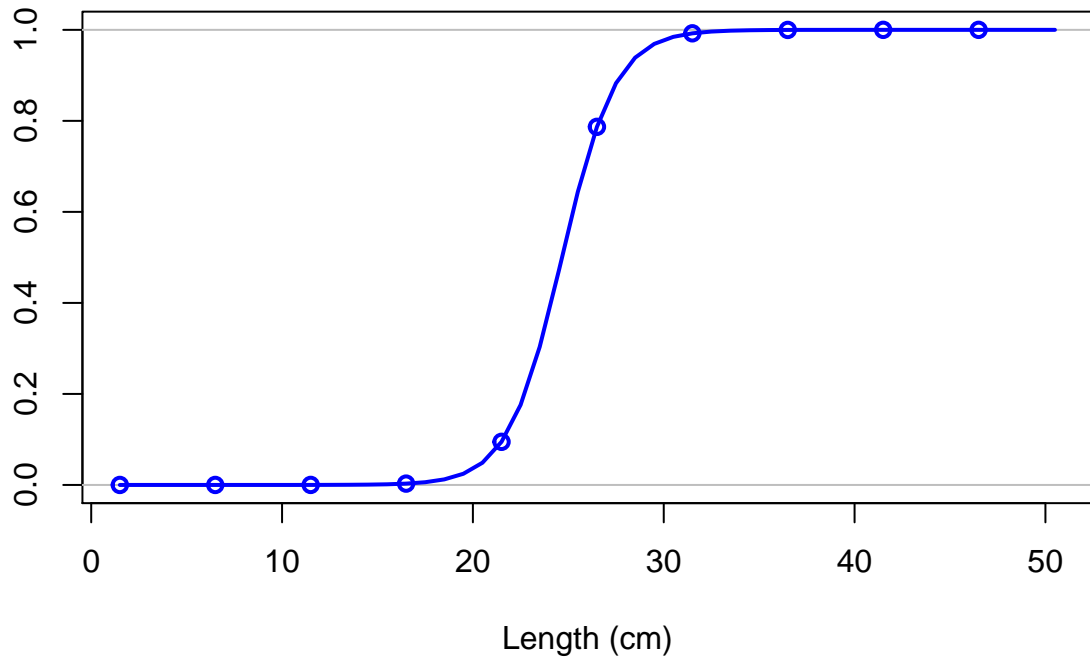




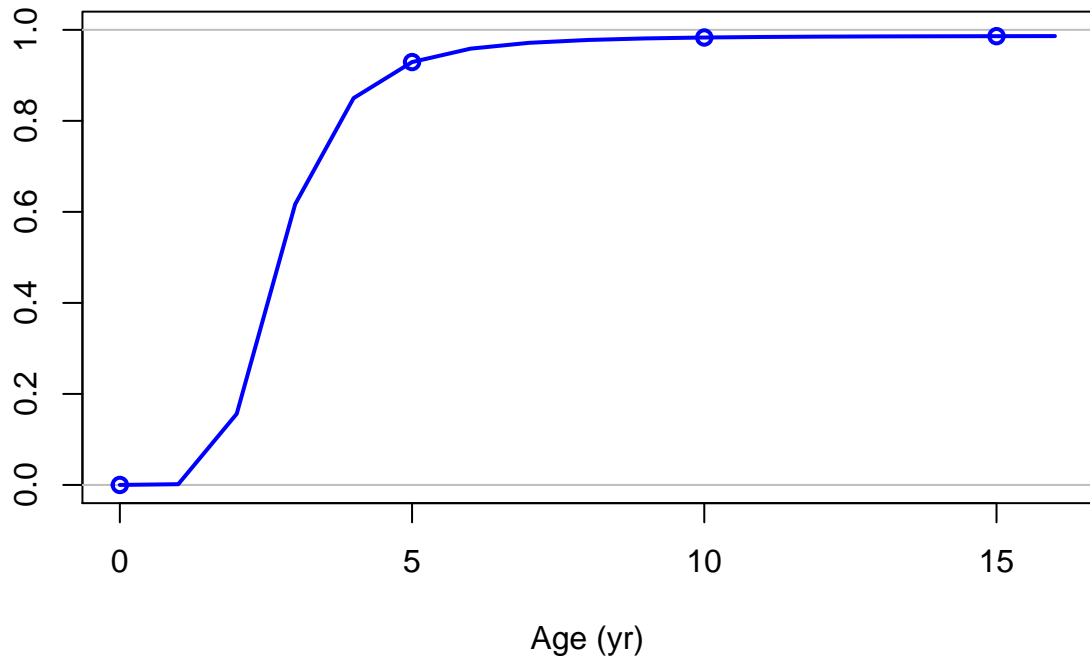




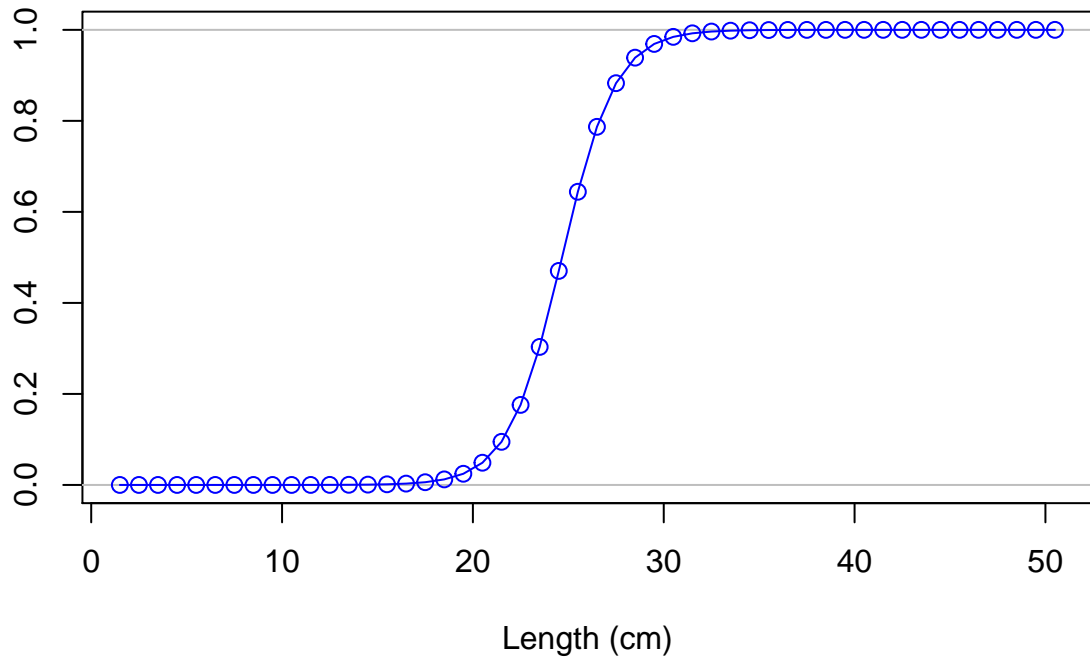
Selectivity



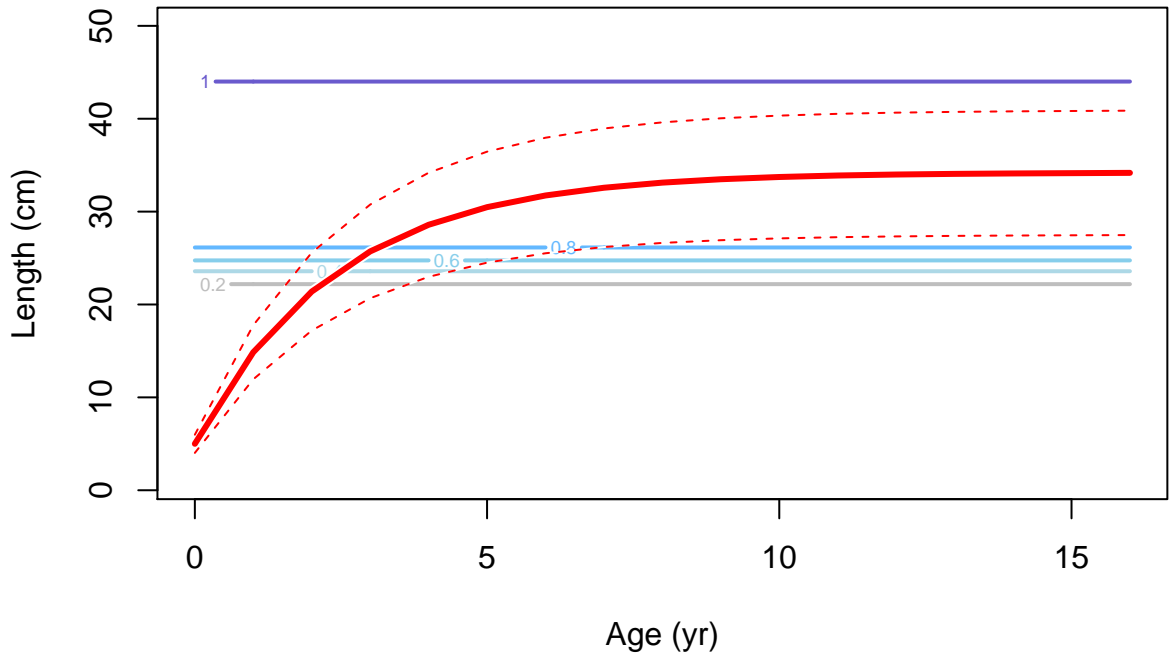
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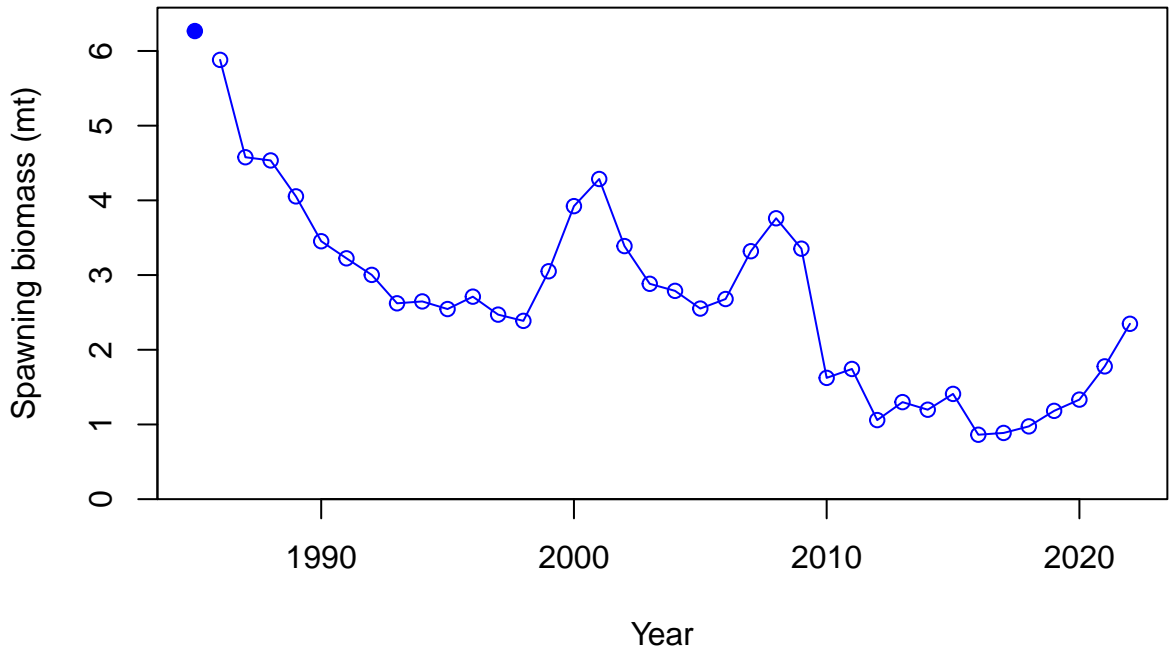


Selectivity

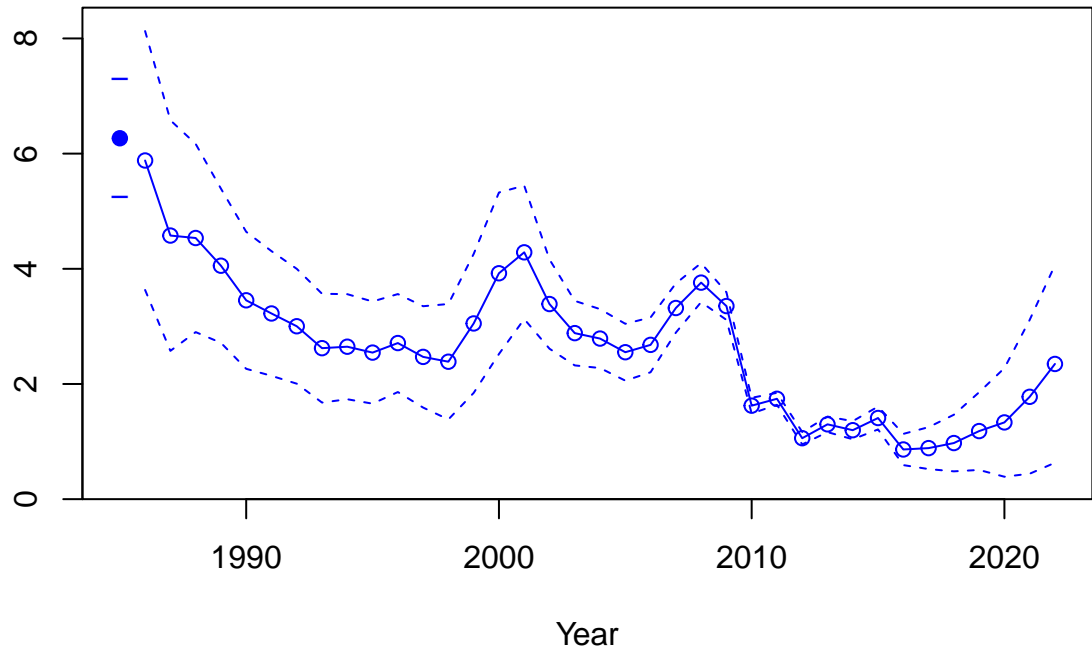




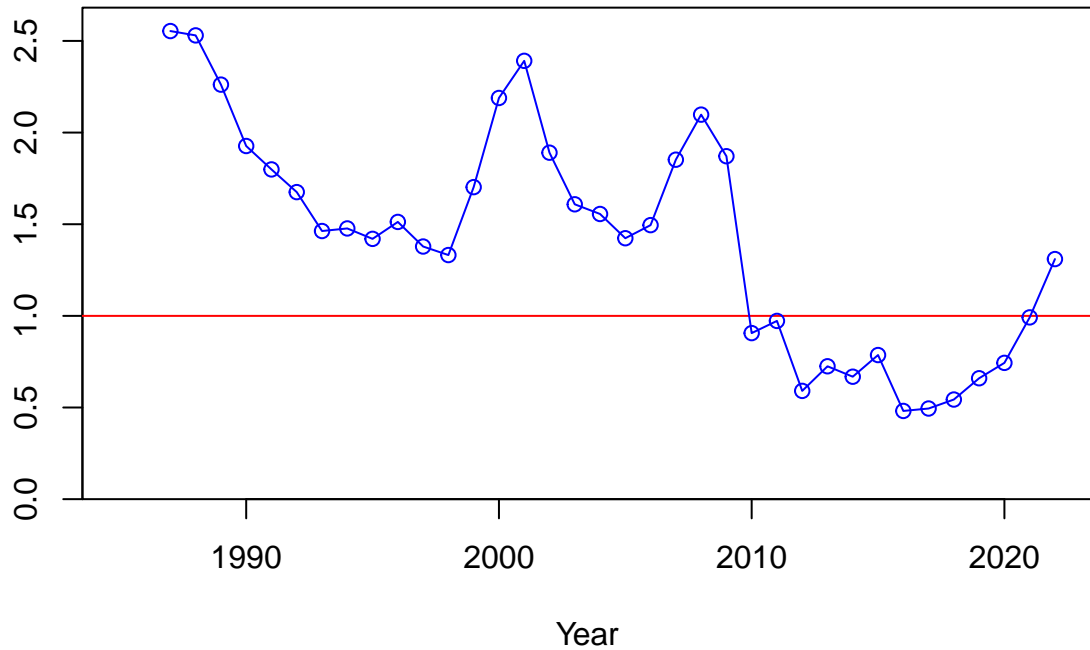




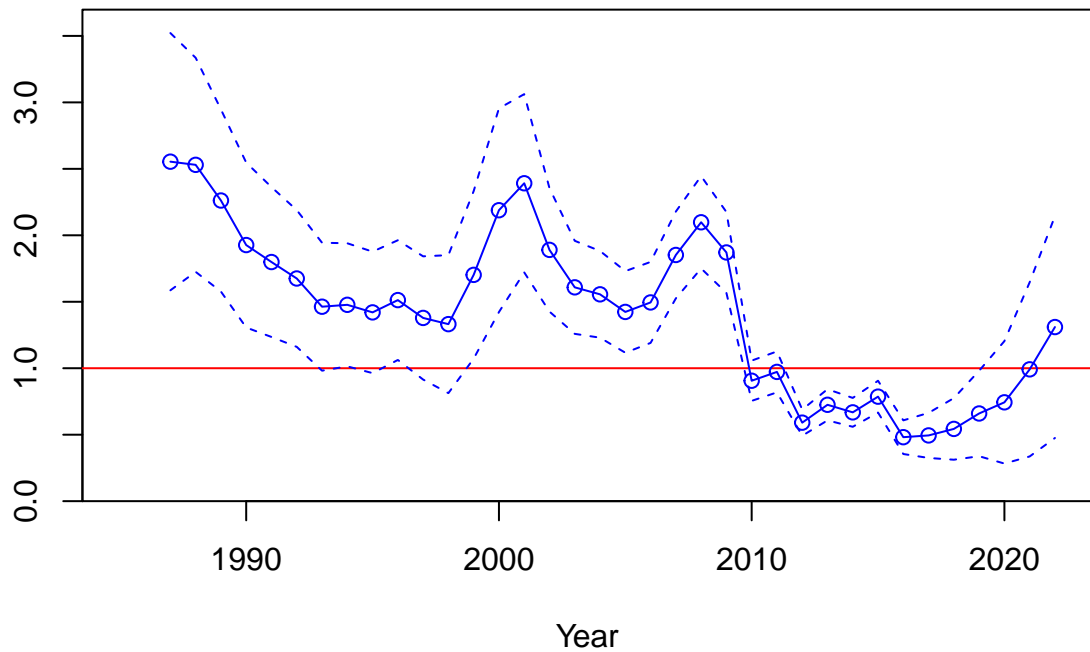
Spawning biomass (mt)

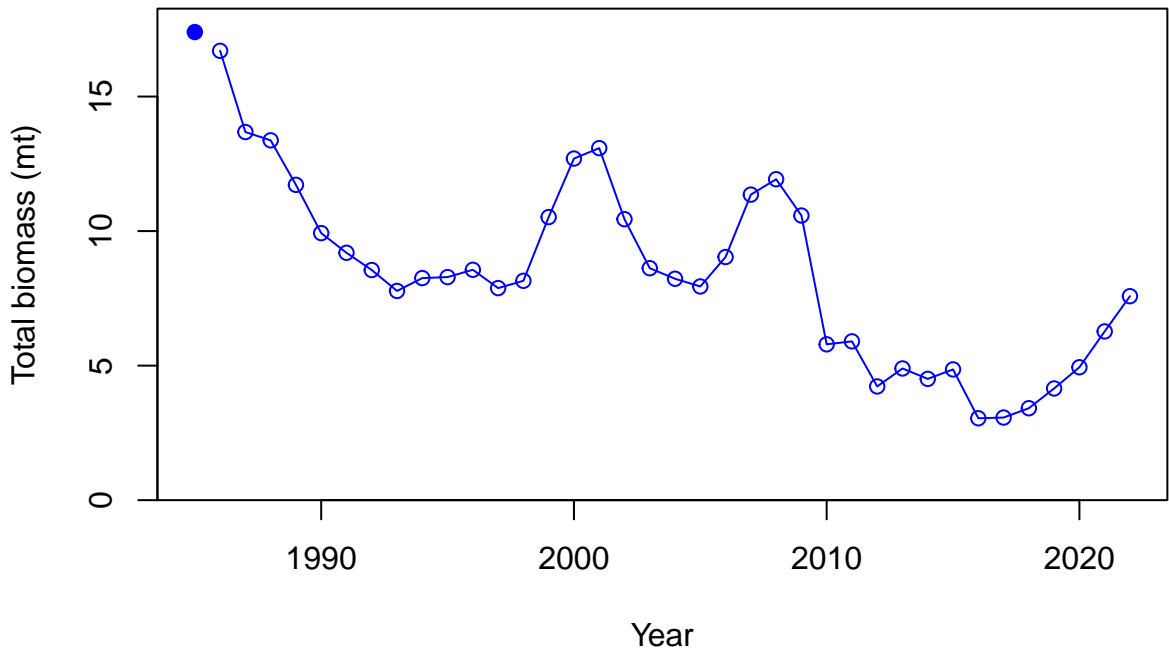


Relative spawning biomass:  $B/B_{MSY}$

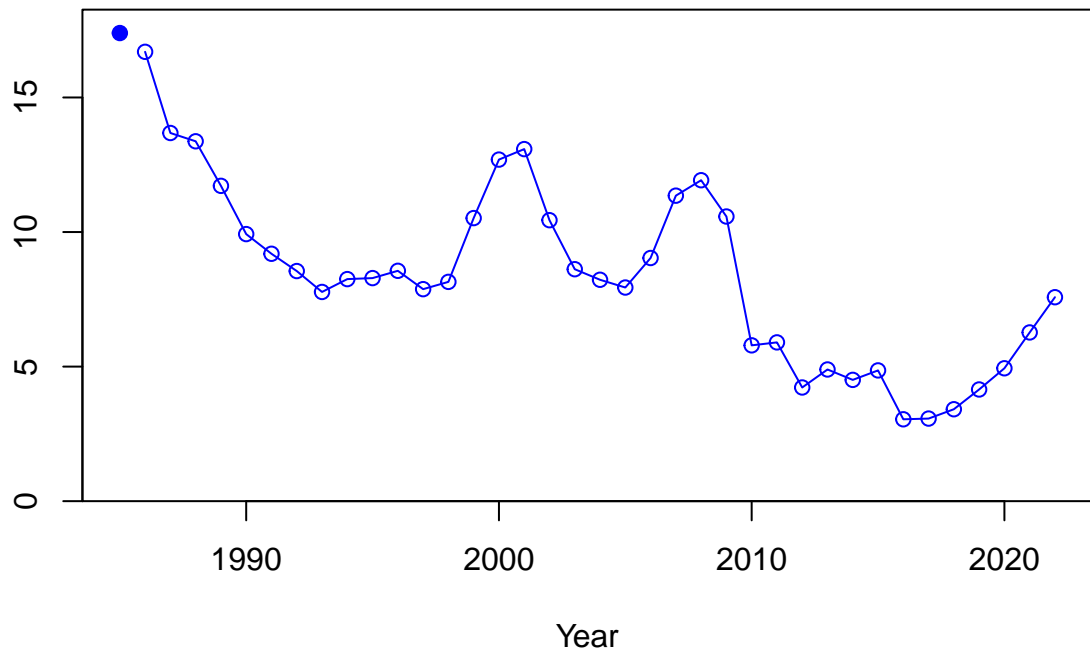


Relative spawning biomass:  $B/B_{MSY}$

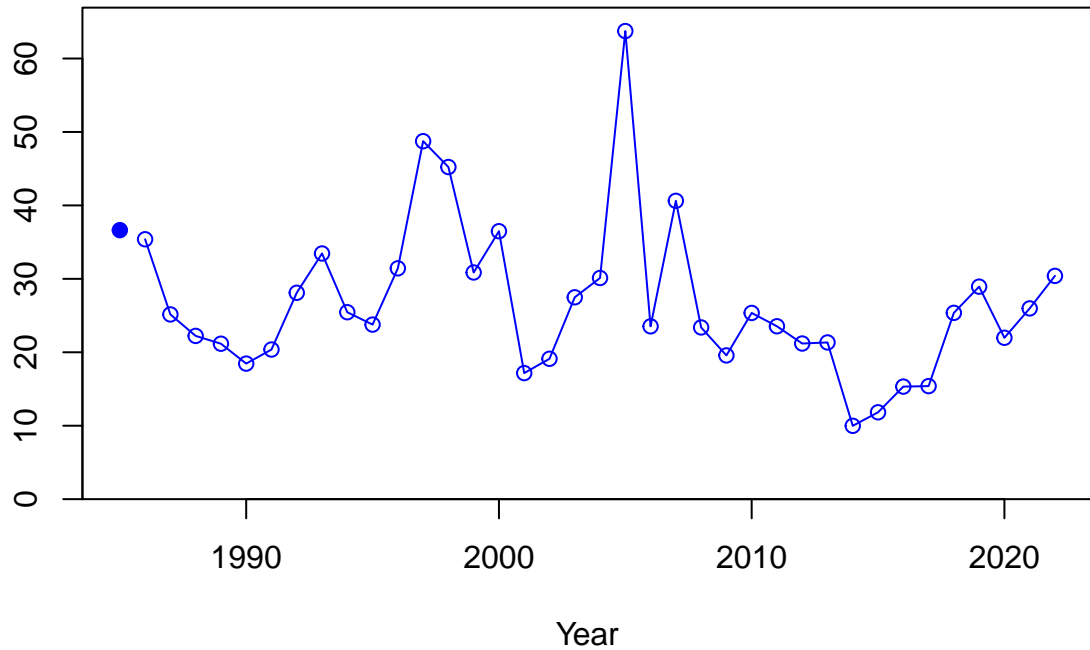




Summary biomass (mt)

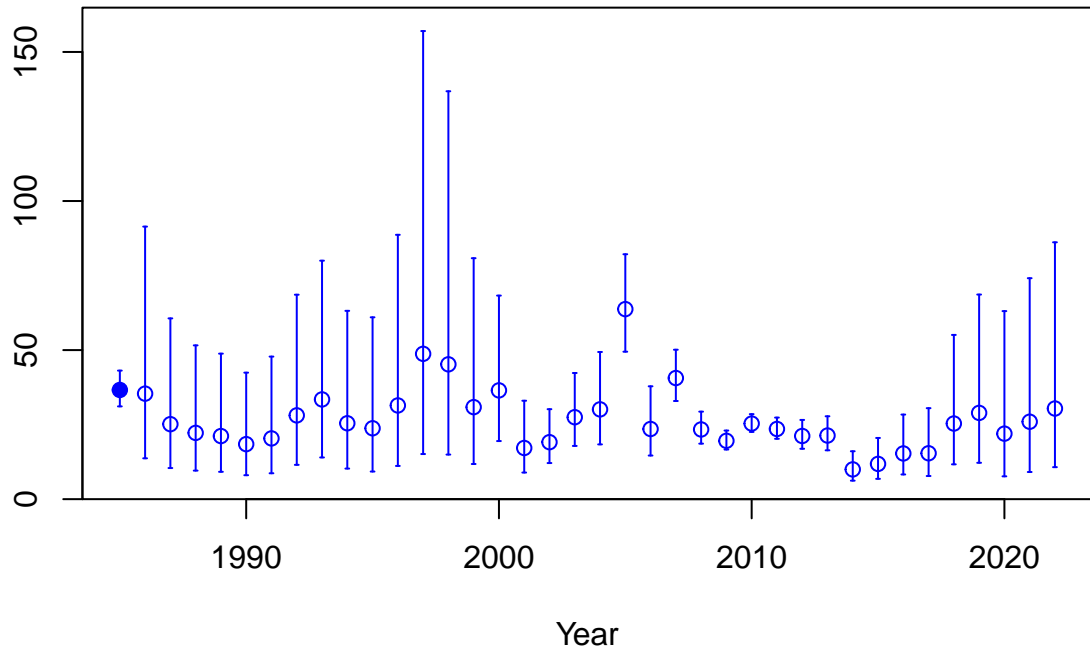


Age-0 recruits (1,000s)

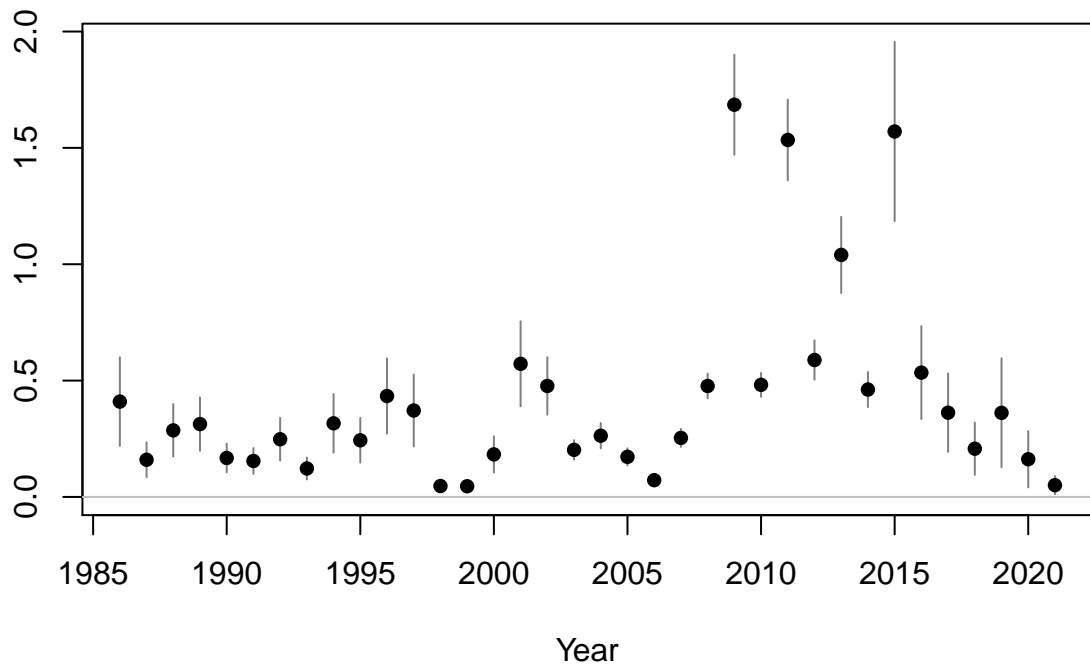


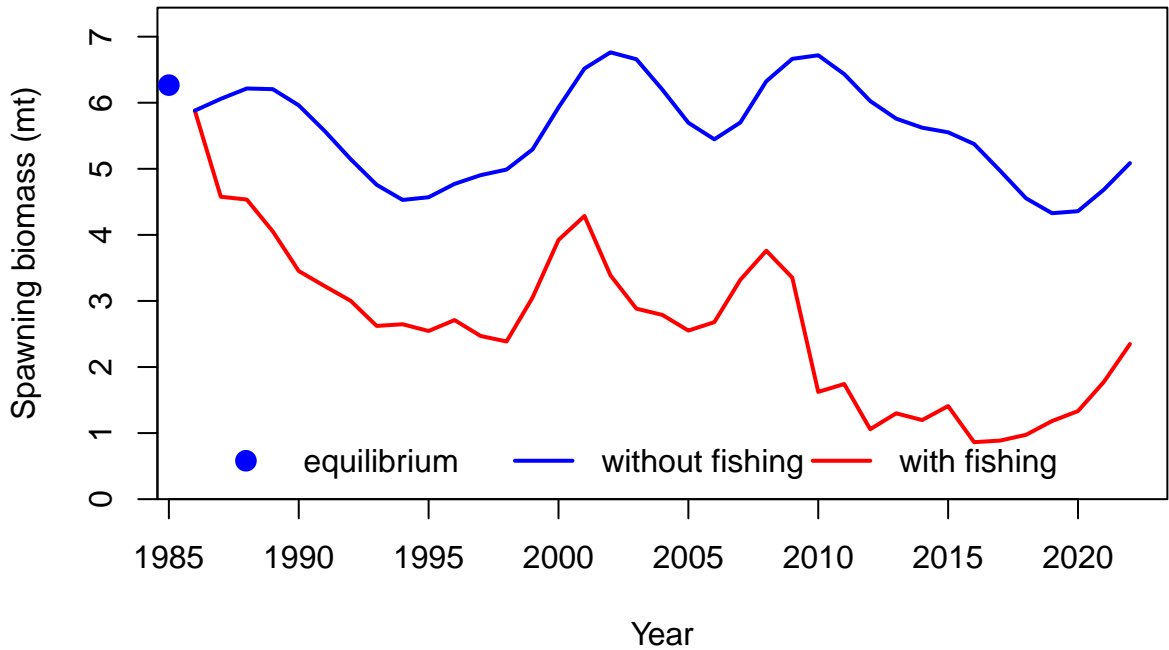


Age-0 recruits (1,000s)

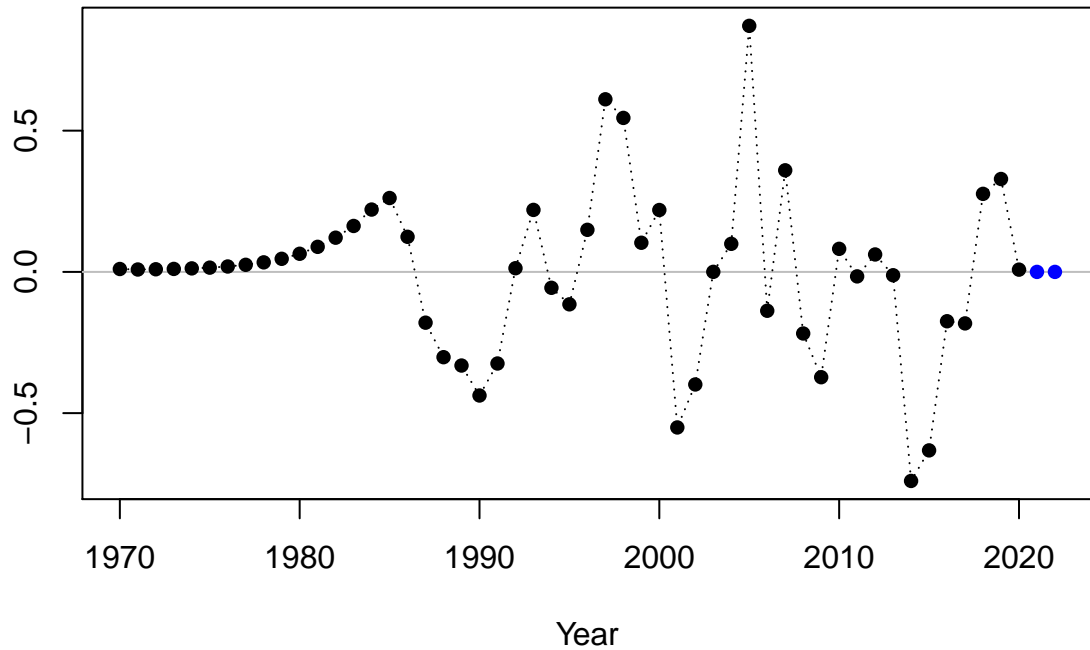


Summary Fishing Mortality

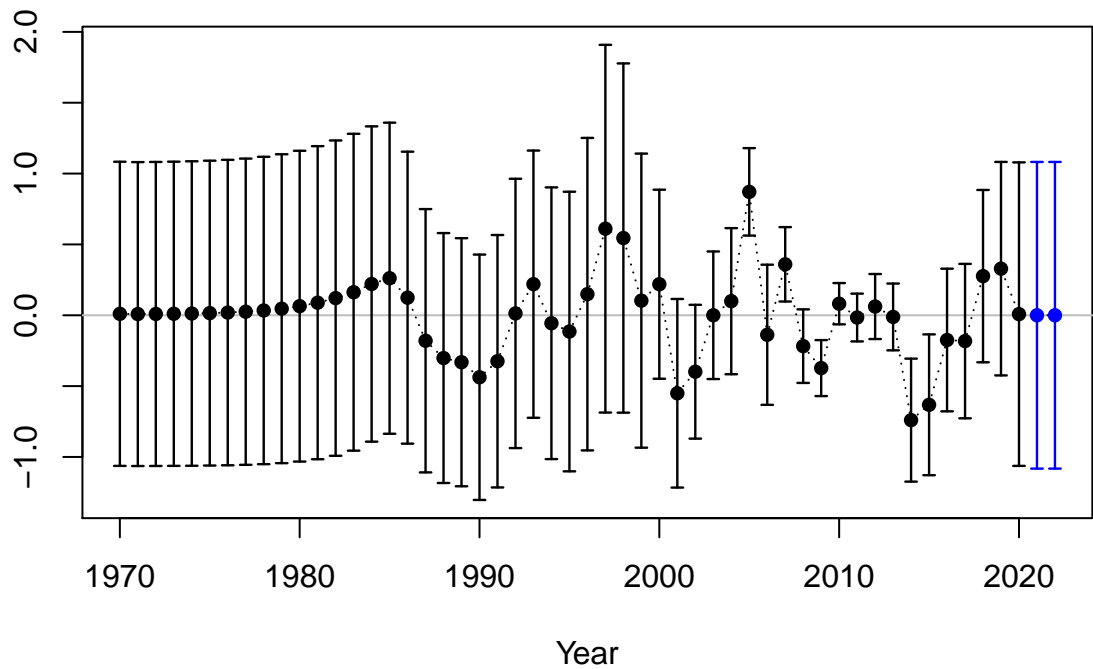




Log recruitment deviation

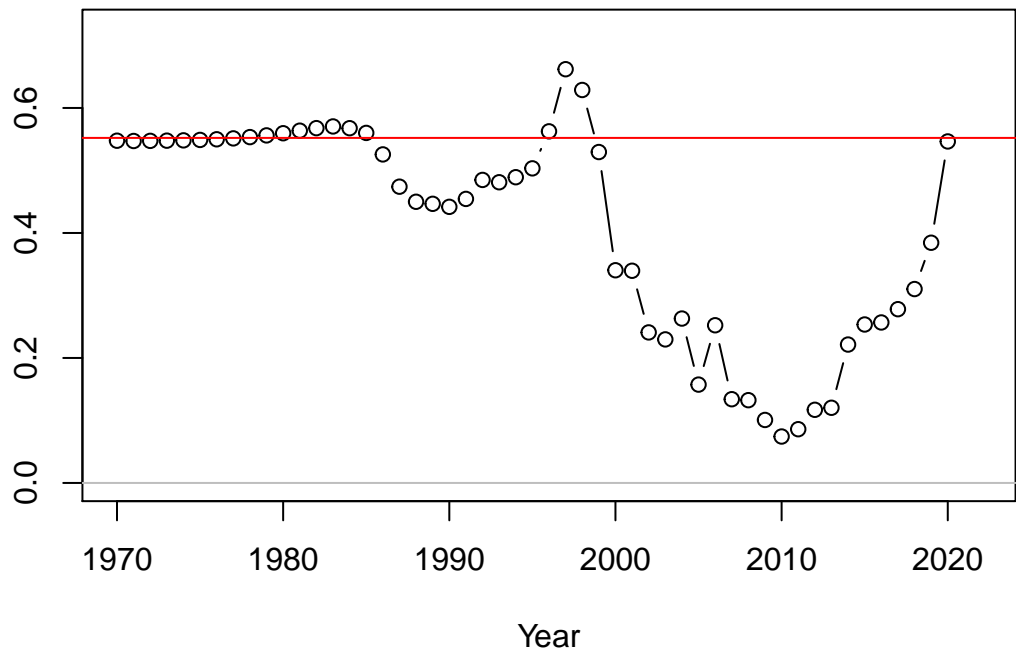


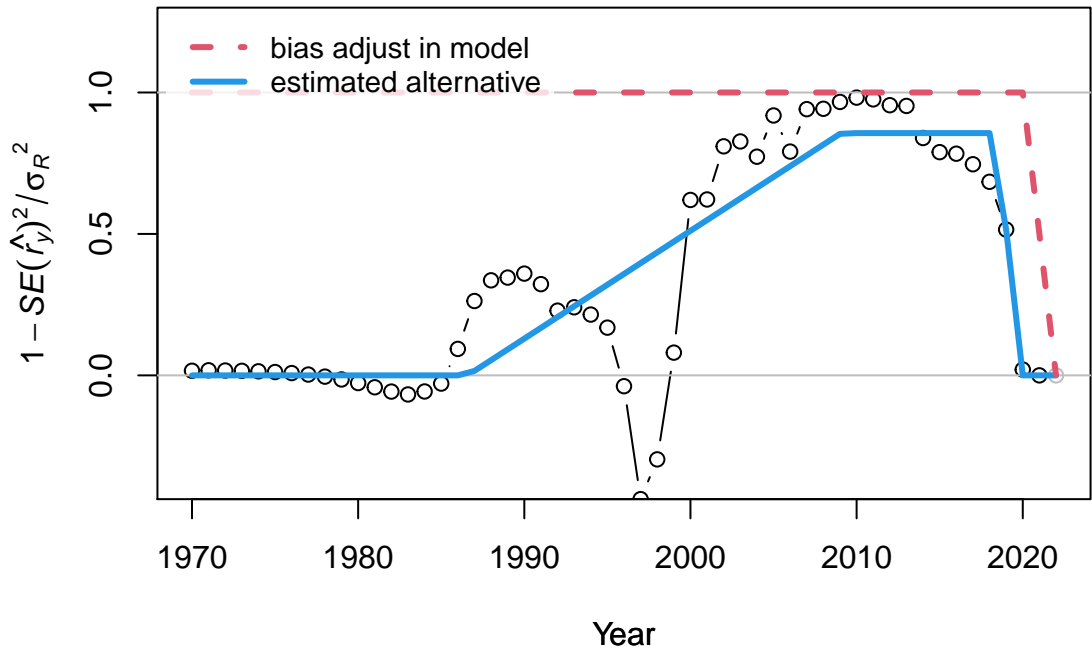
Log recruitment deviation

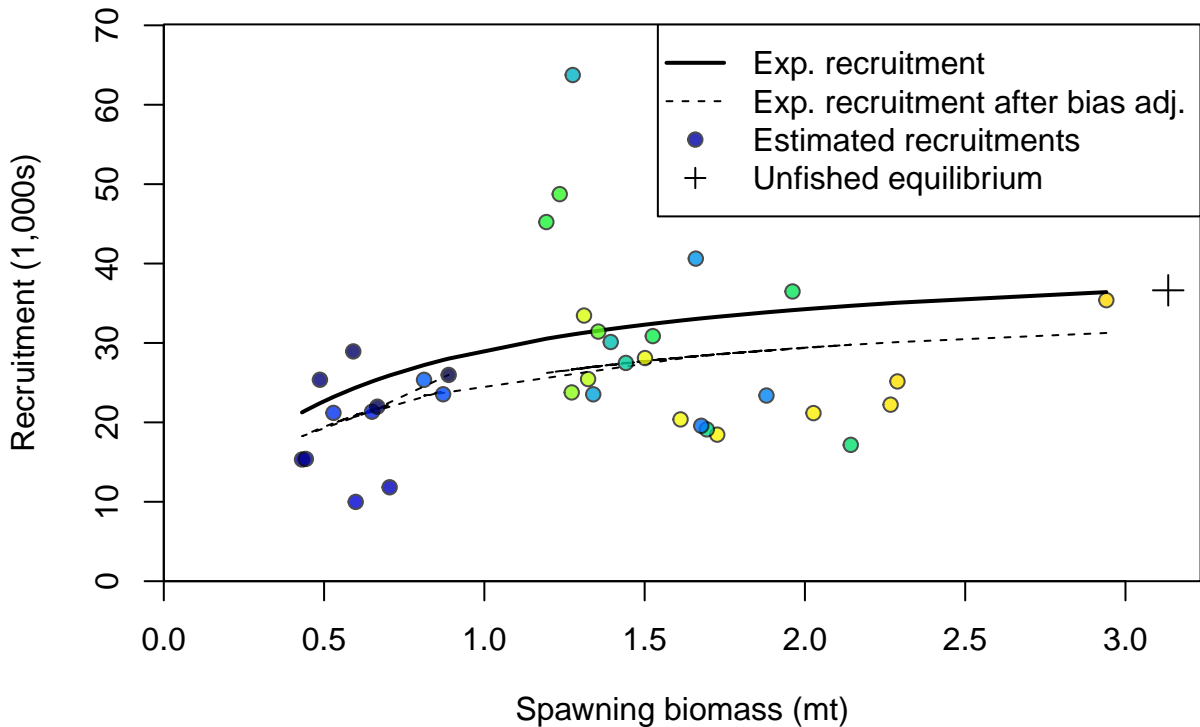


## Recruitment deviation variance

Asymptotic standard error estimate

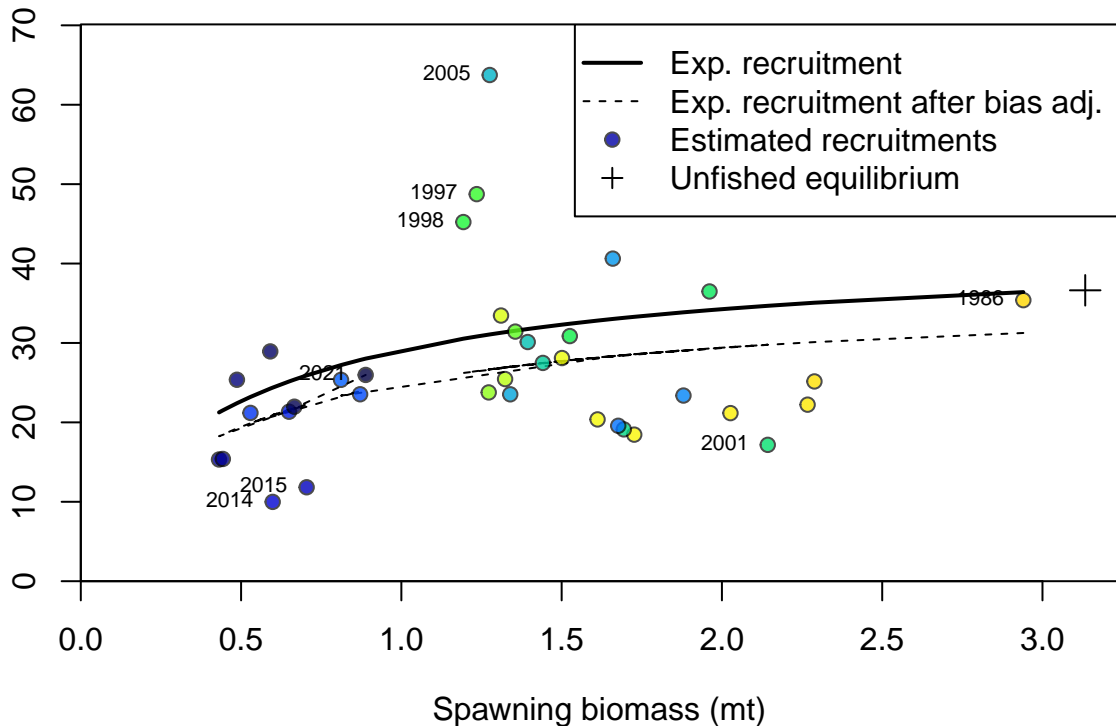




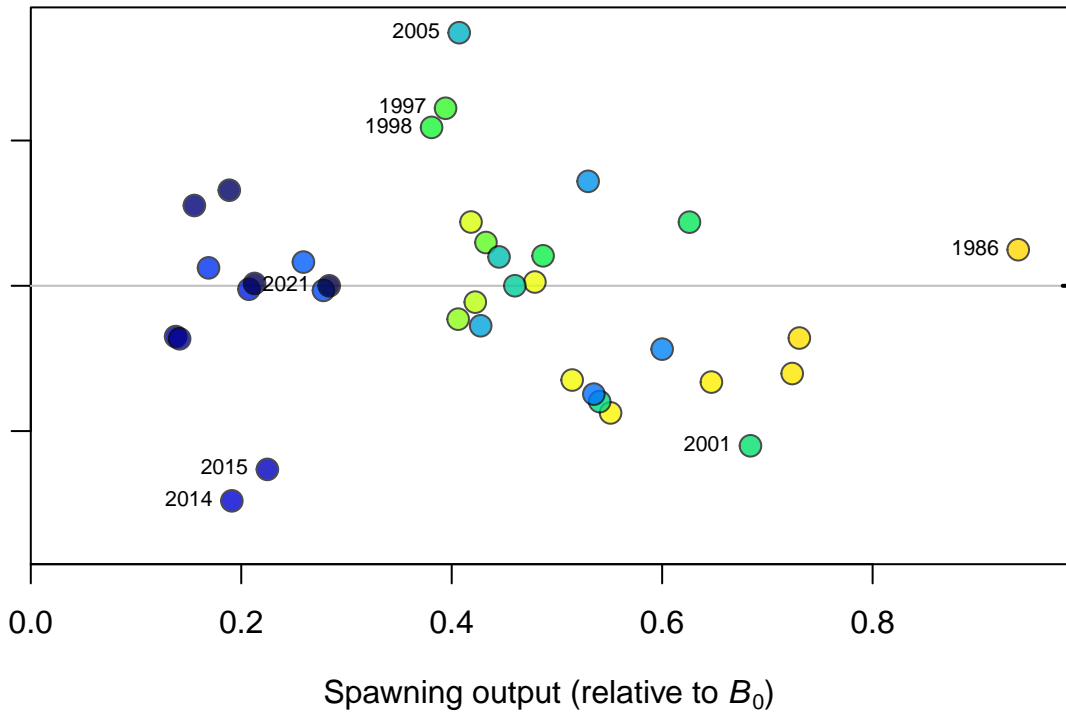


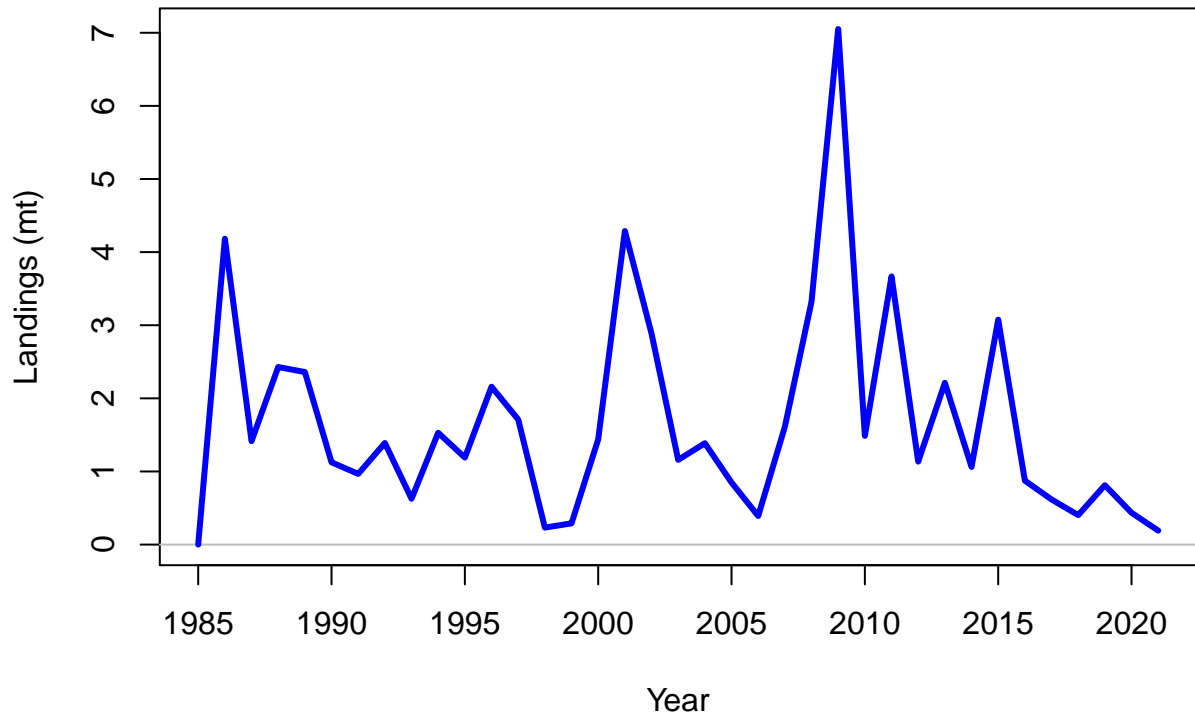


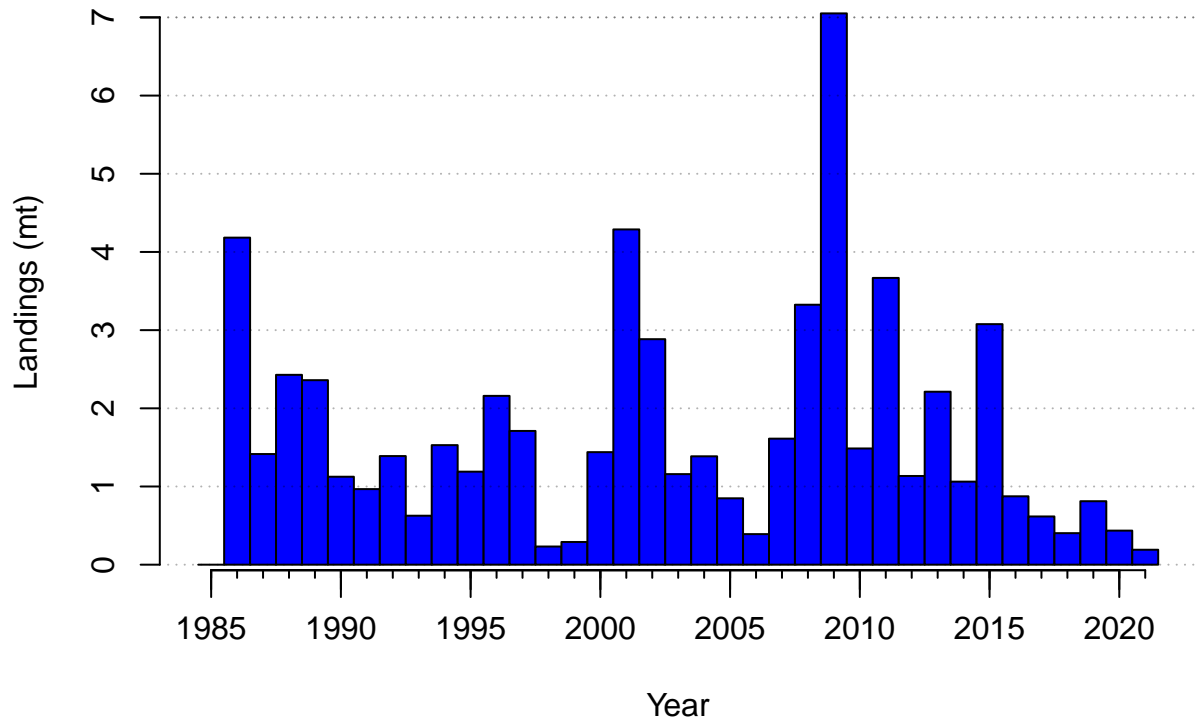
Recruitment (1,000s)

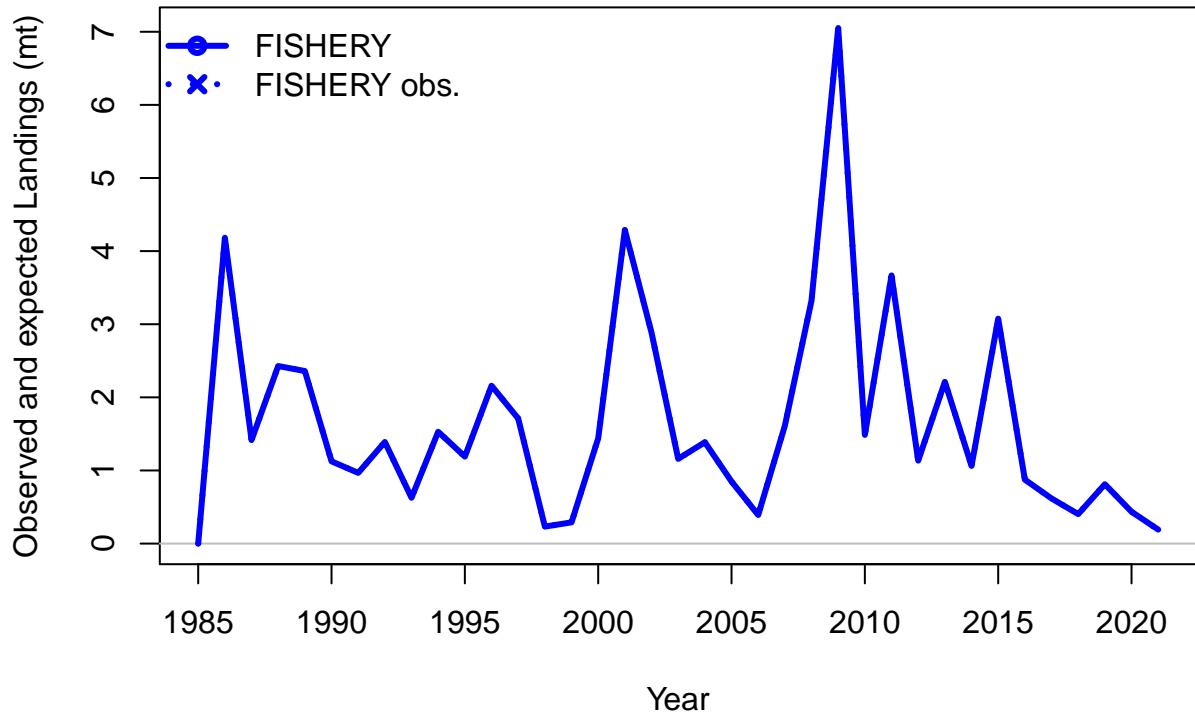


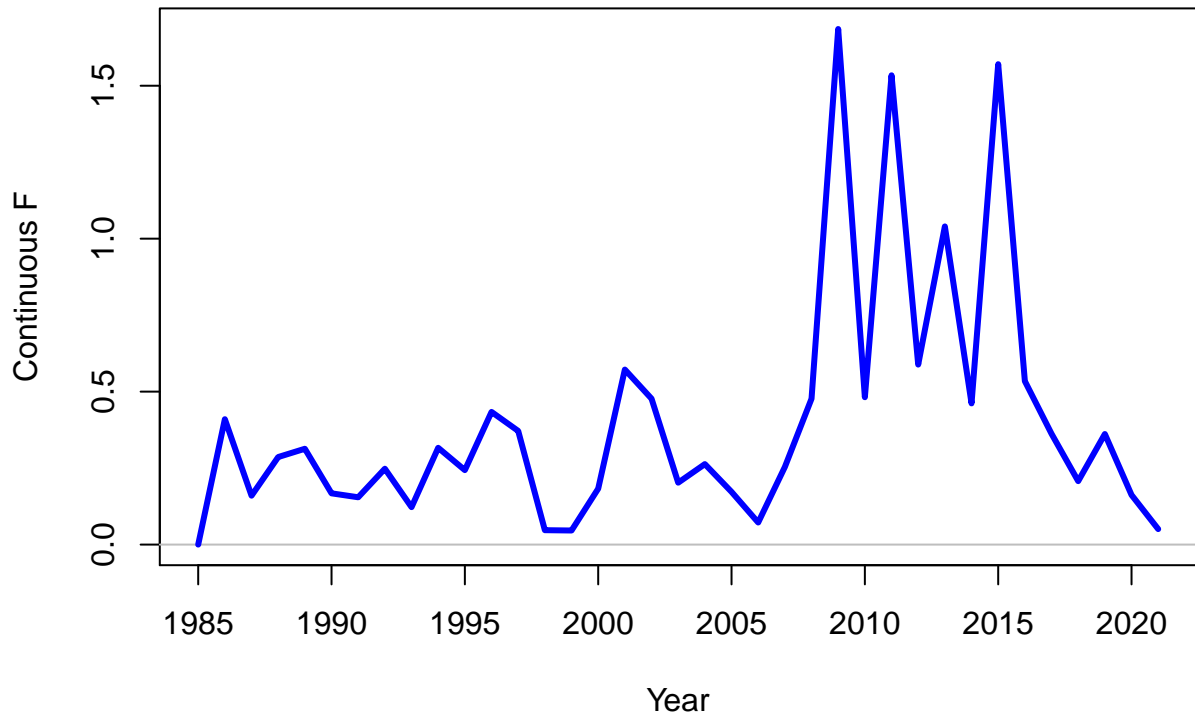
Log recruitment deviation



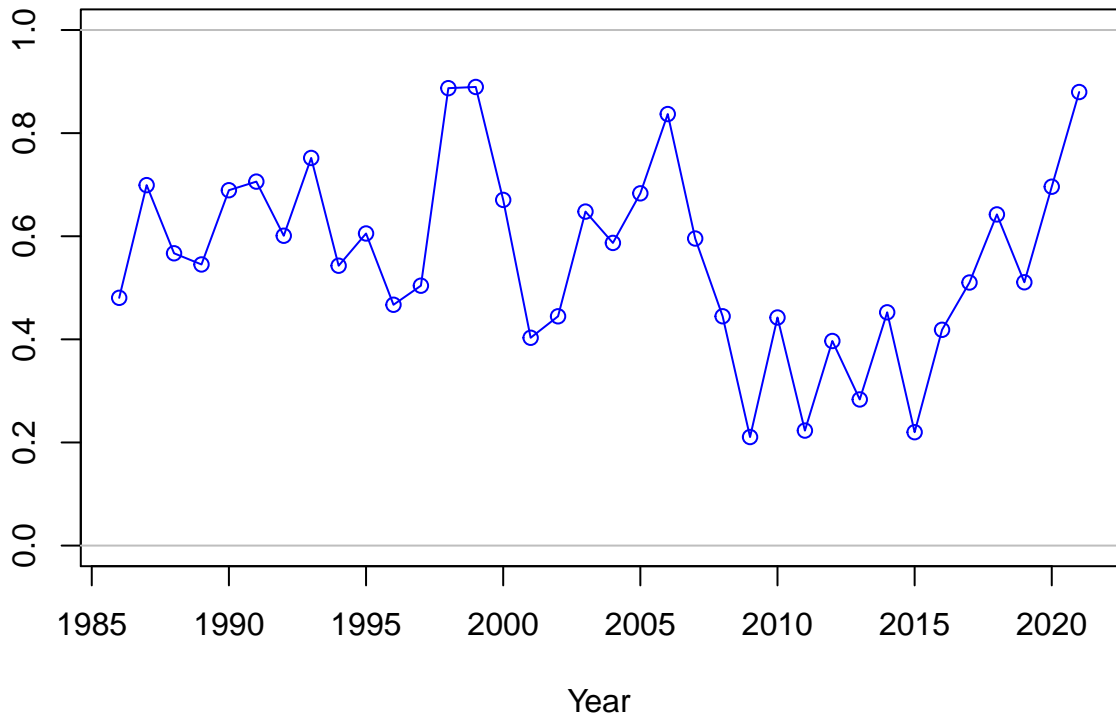




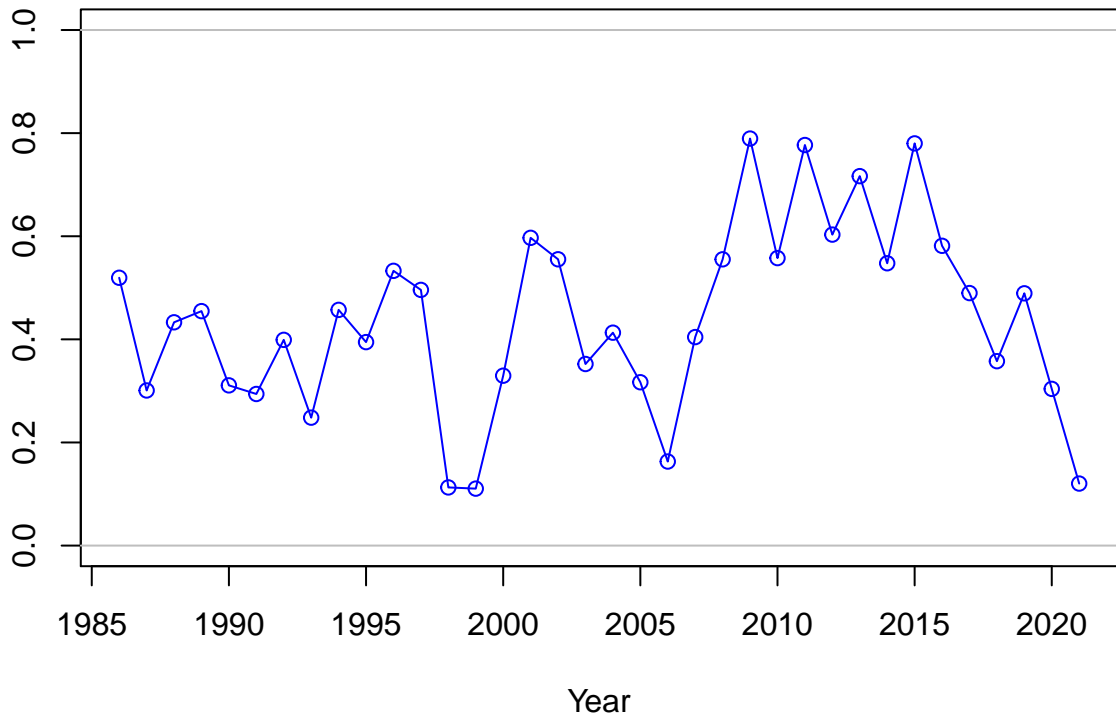




SPR

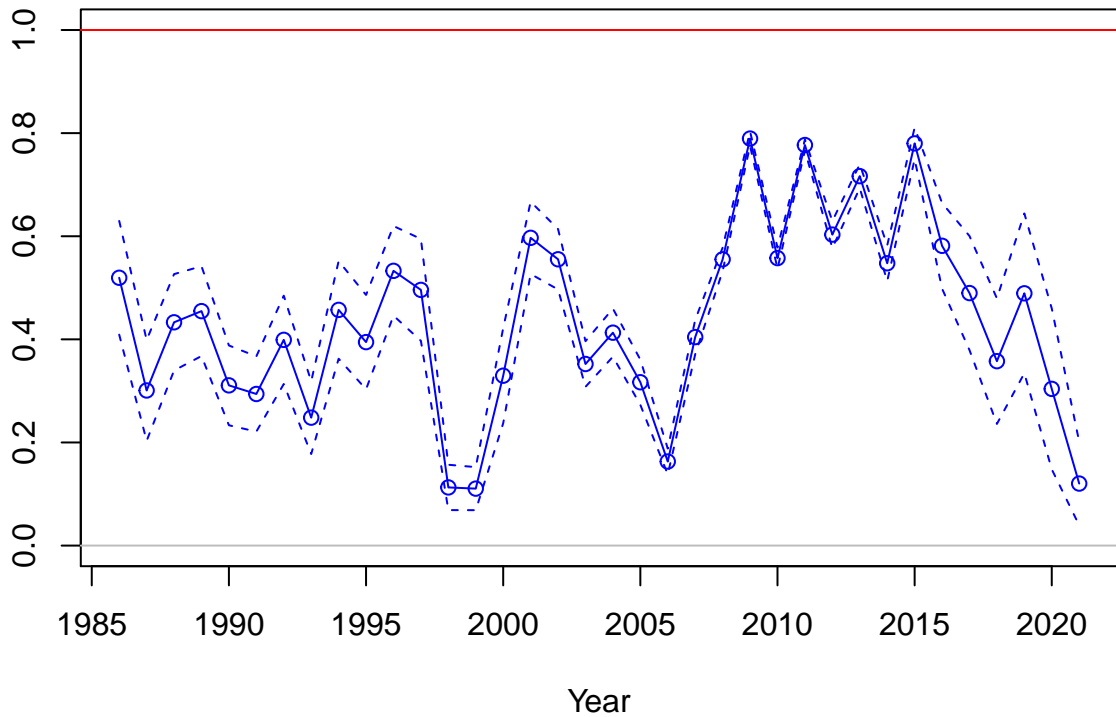


1-SPR

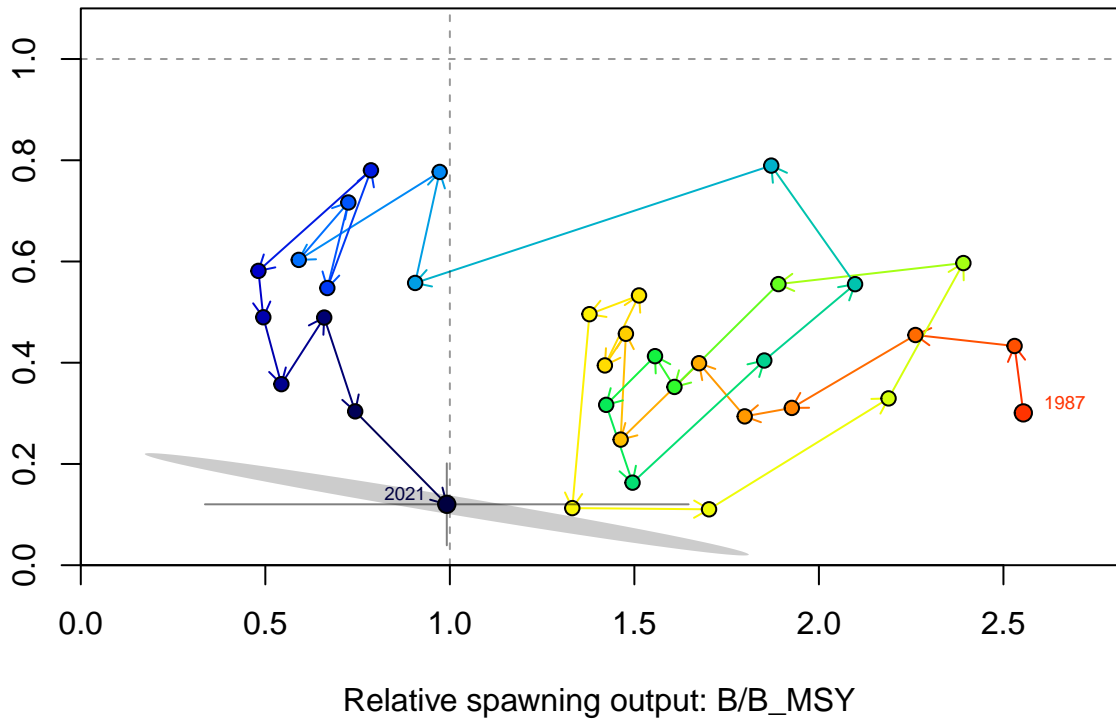




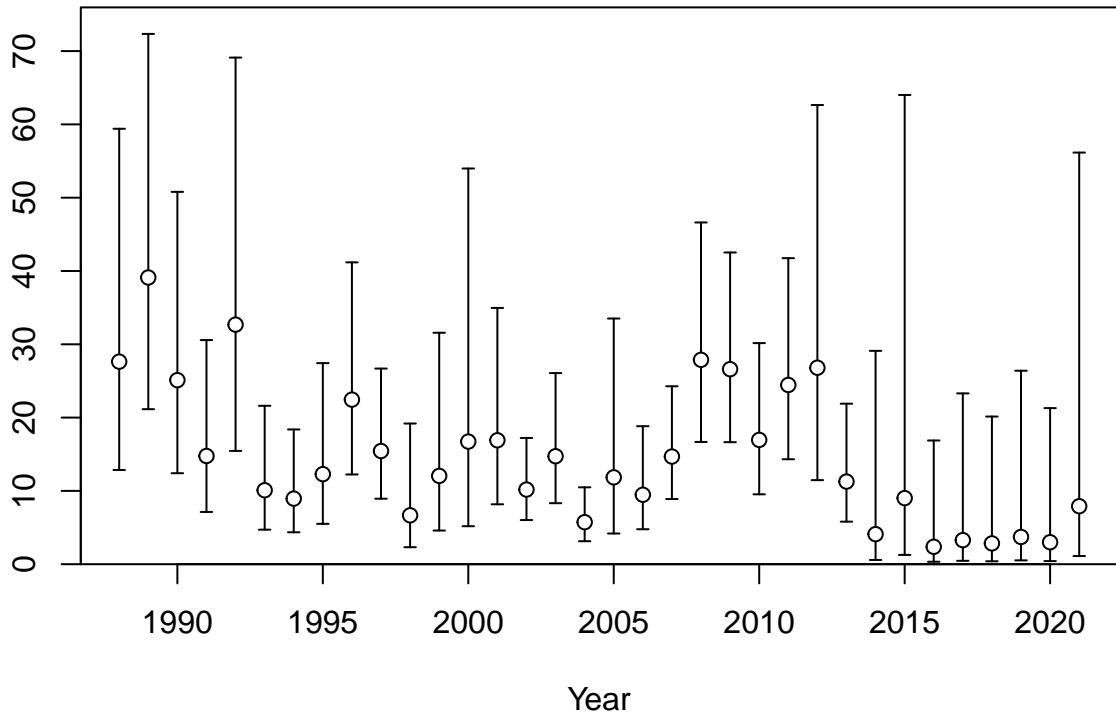
Fishing intensity: 1-SPR



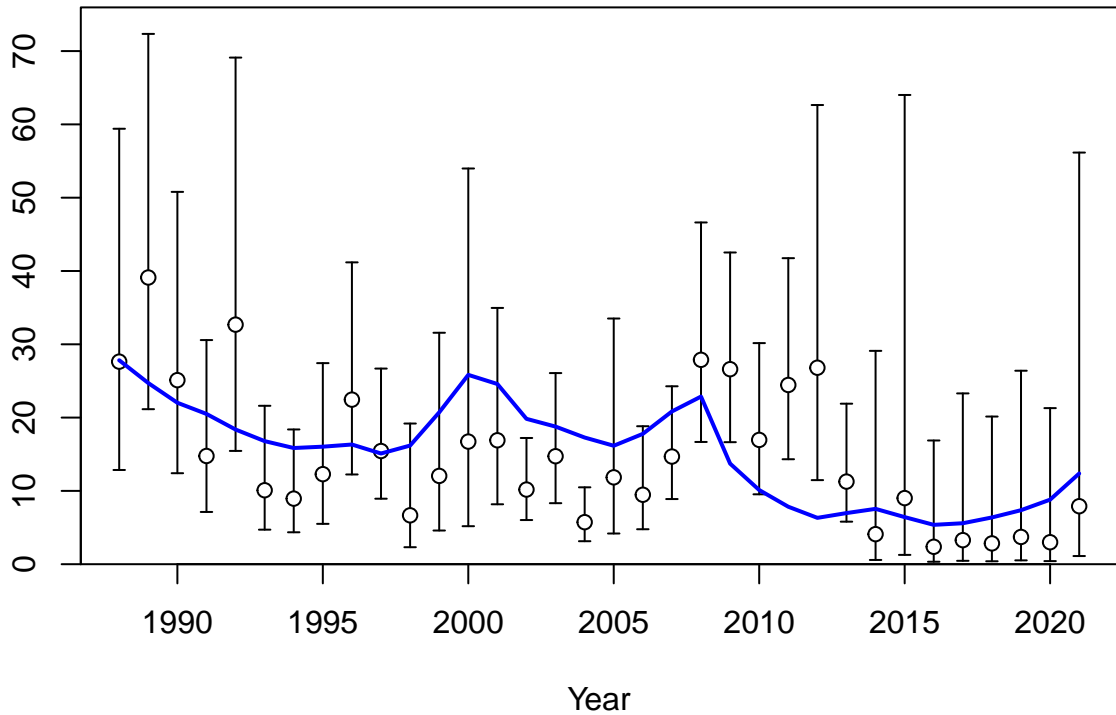
Fishing intensity: 1-SPR

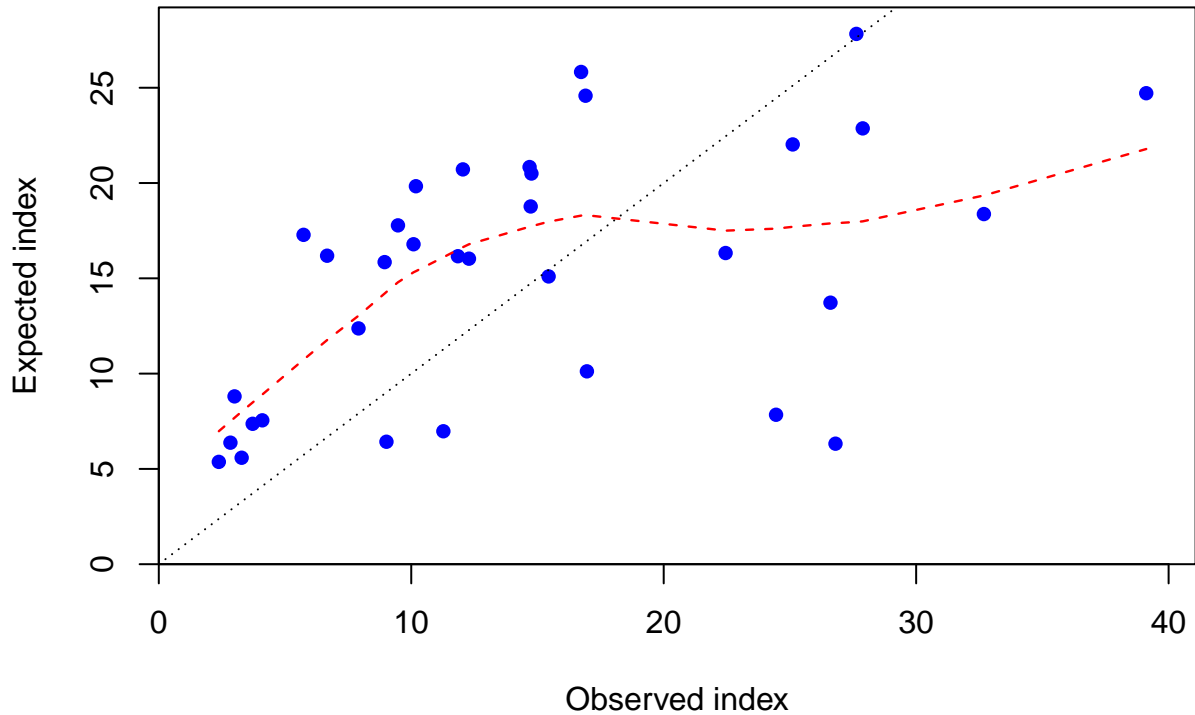


Index

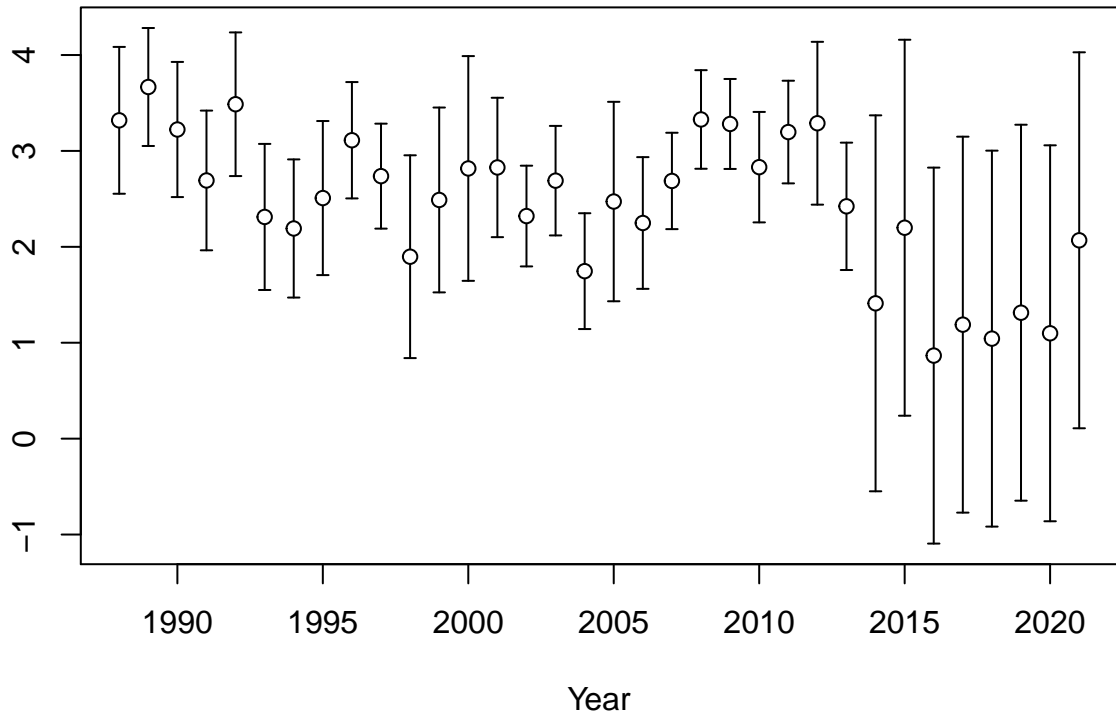


Index

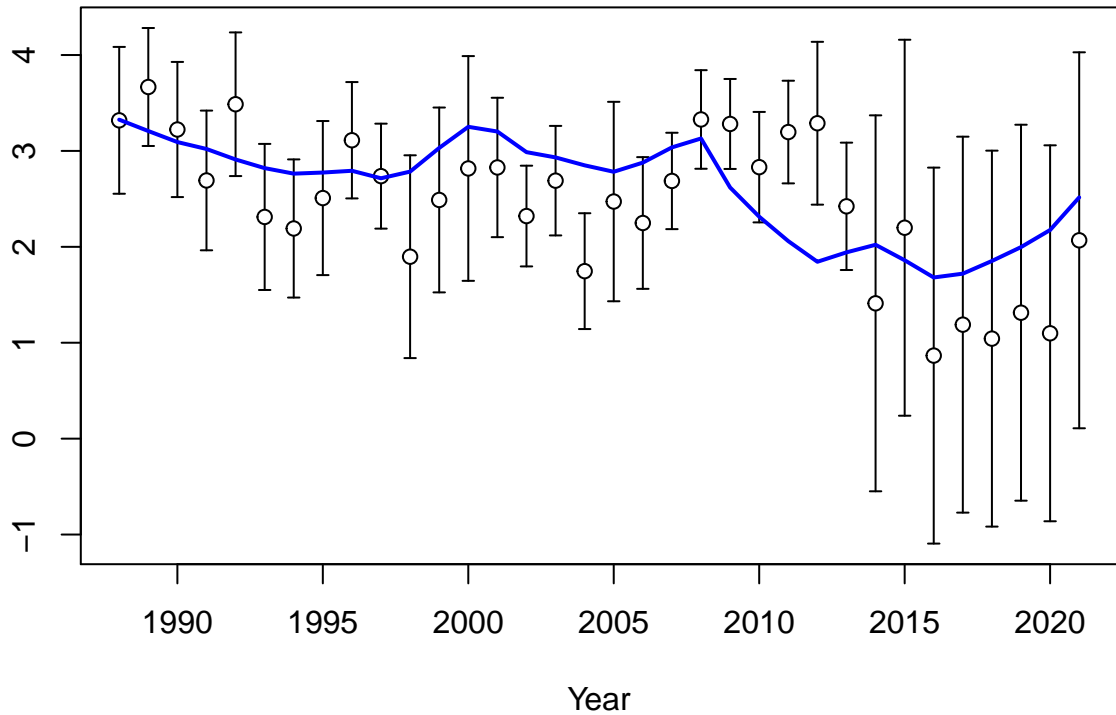


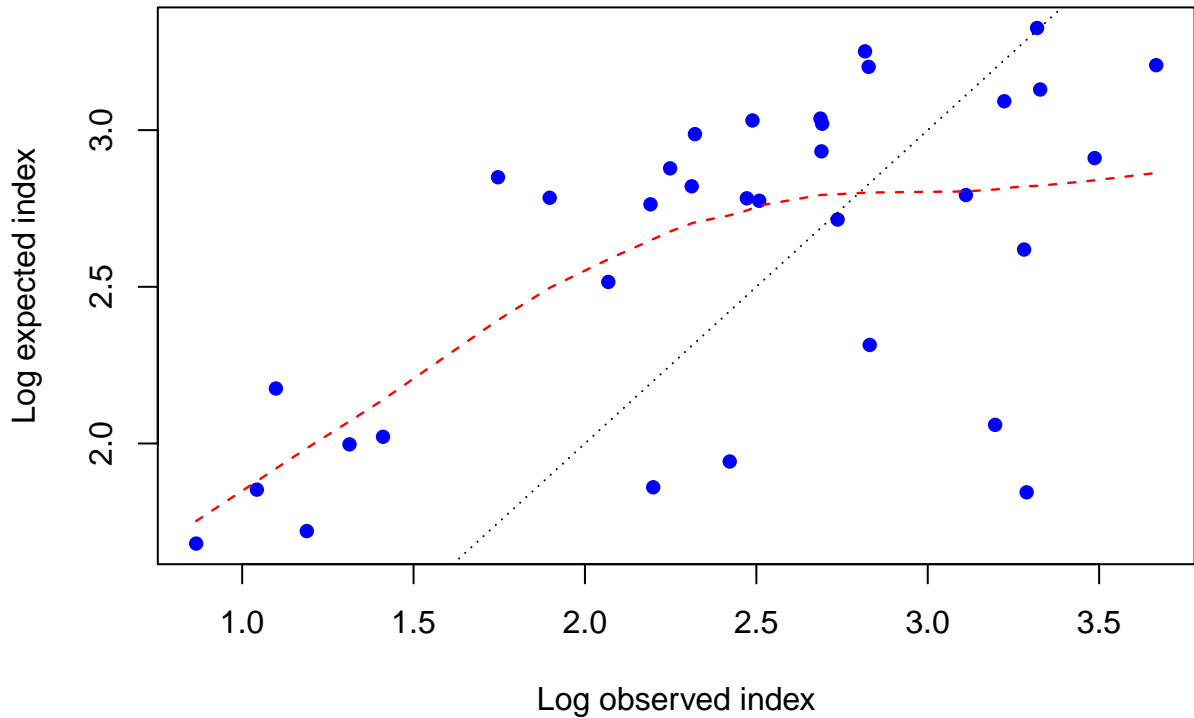


Log index

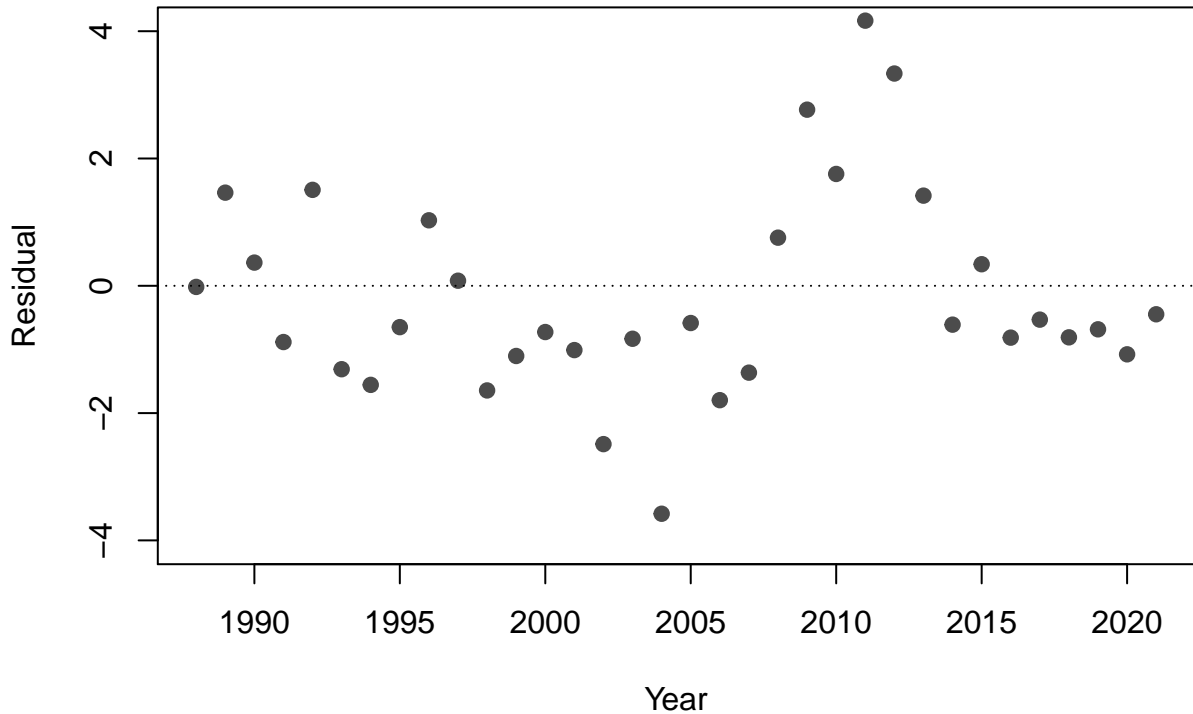


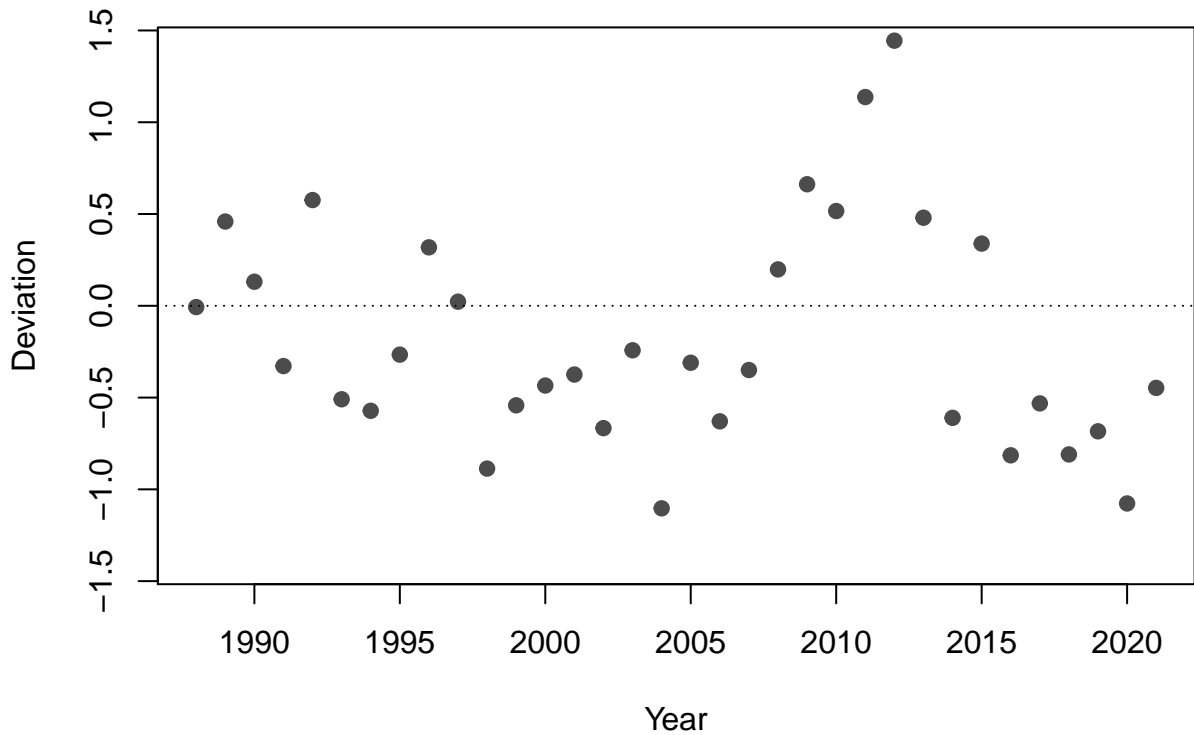
Log index

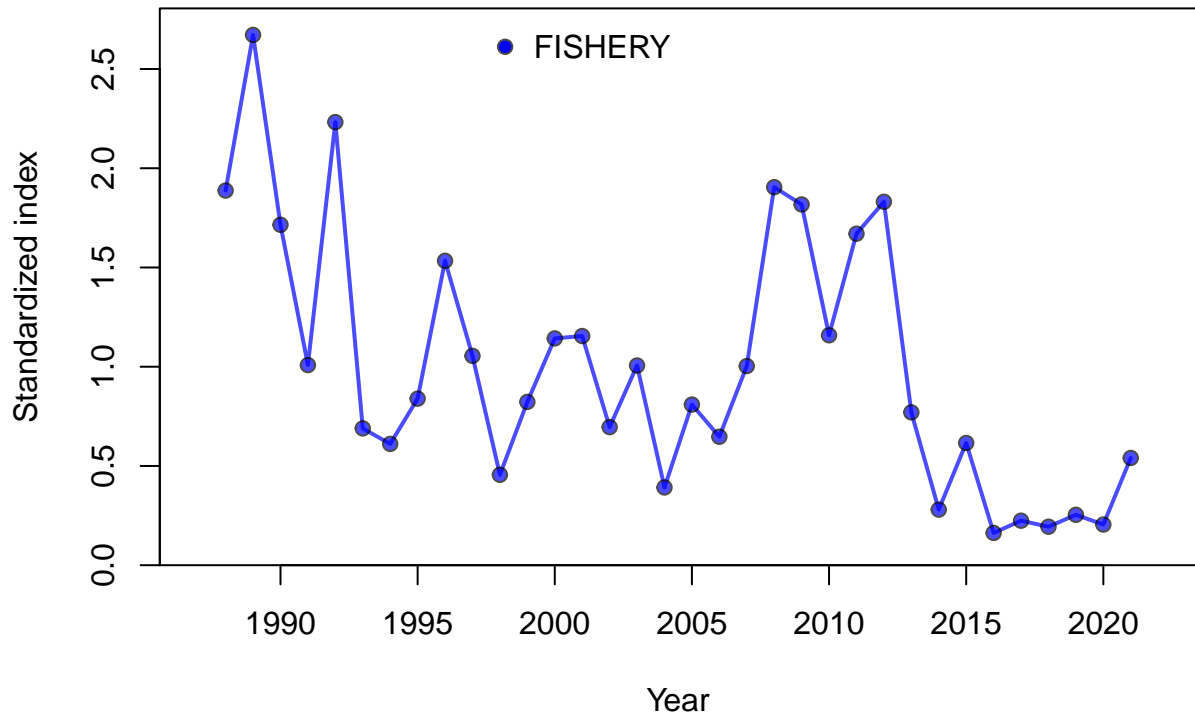




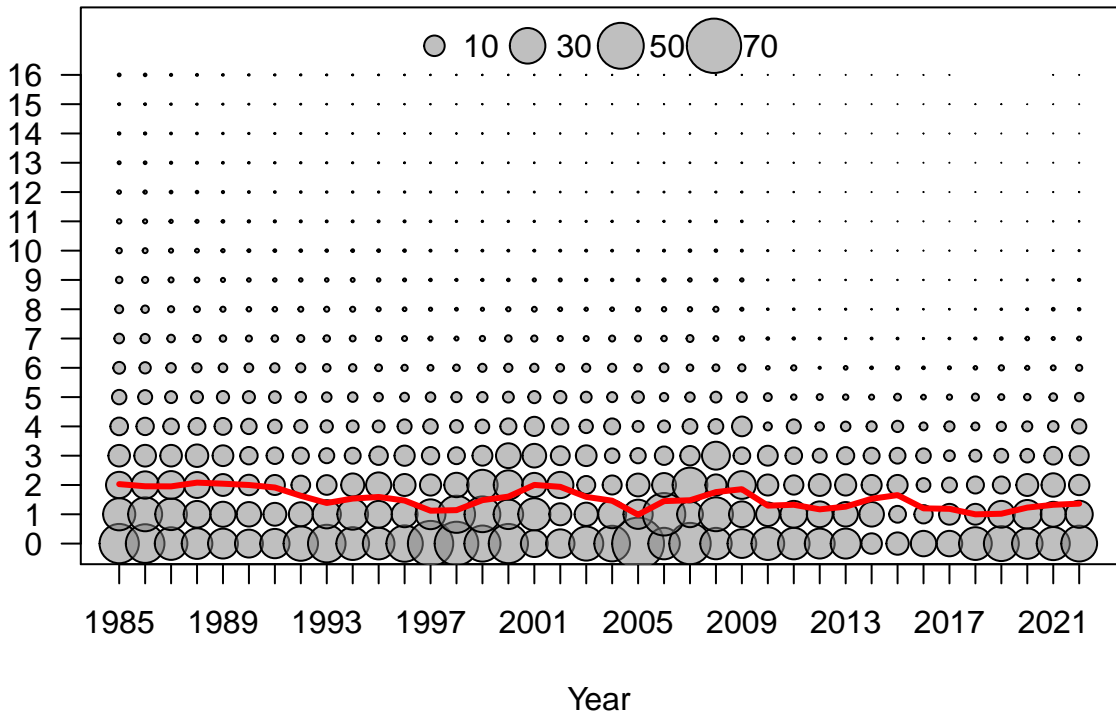


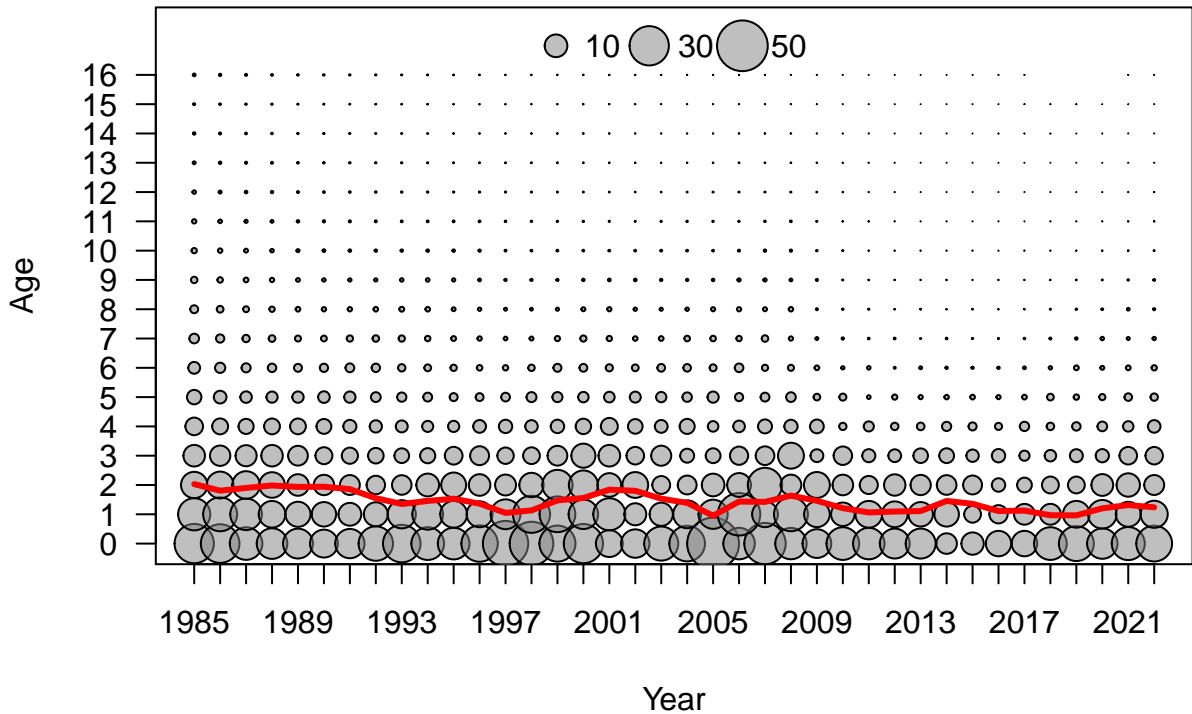


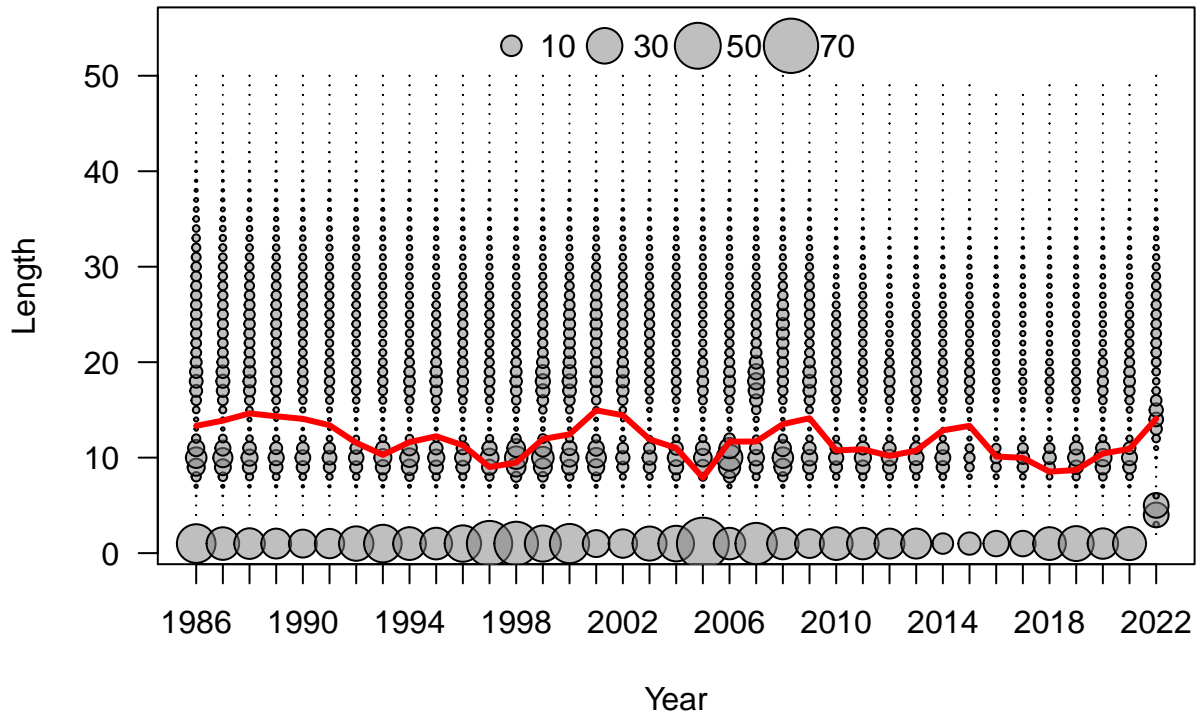


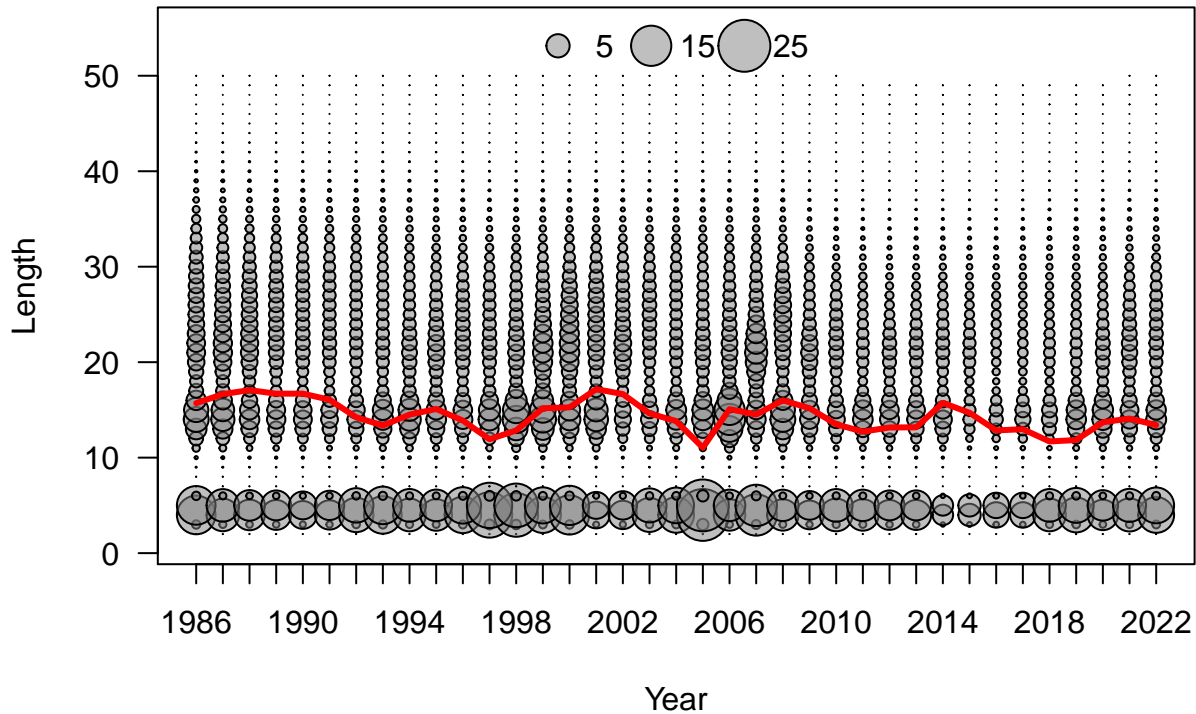


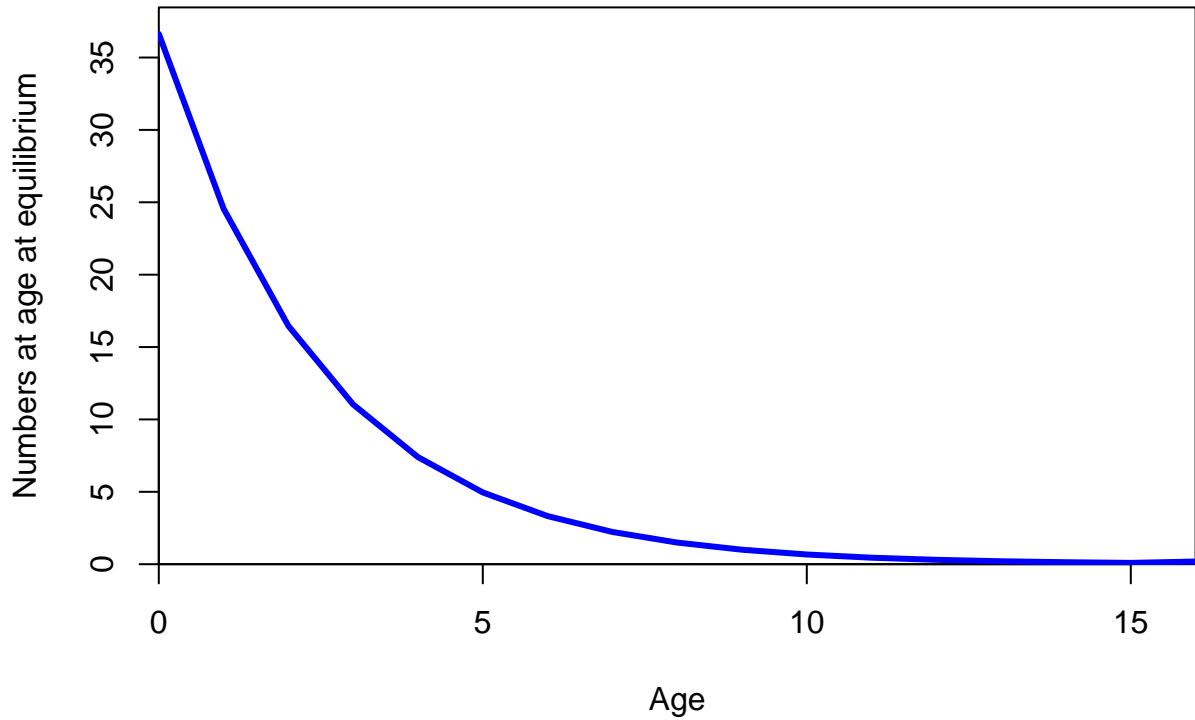
Age







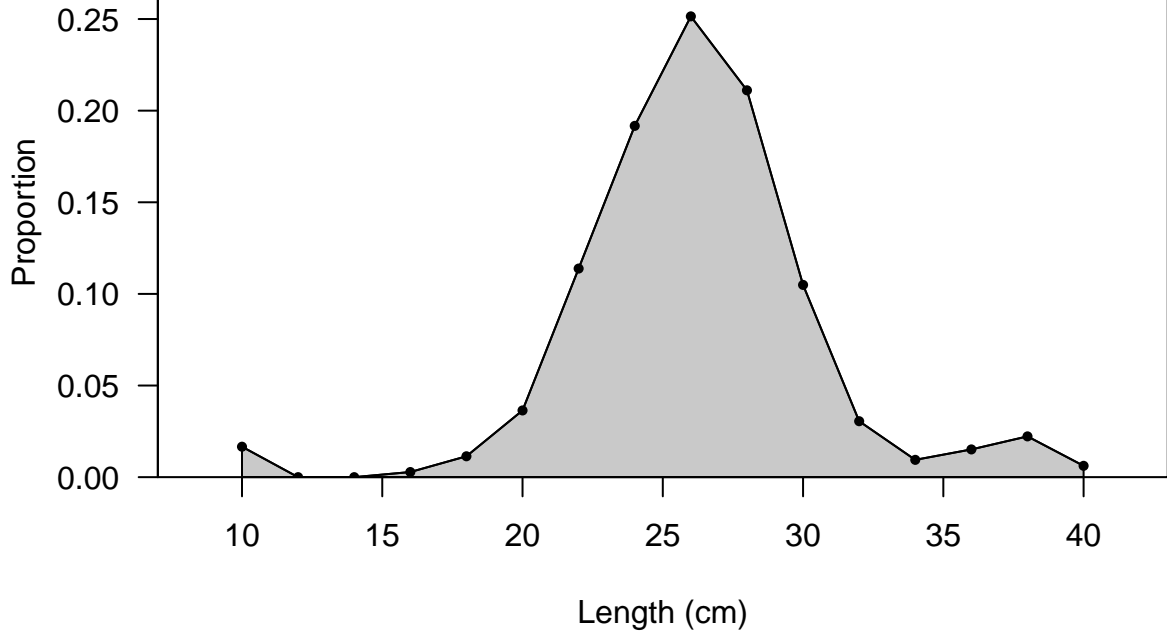


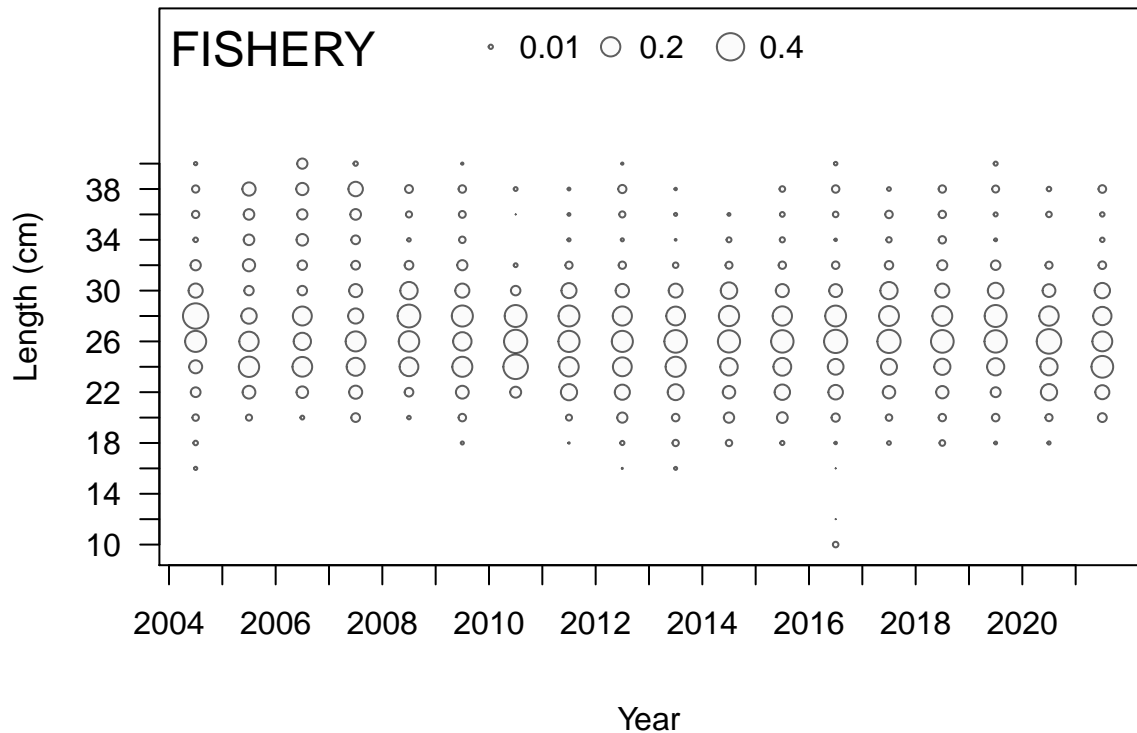


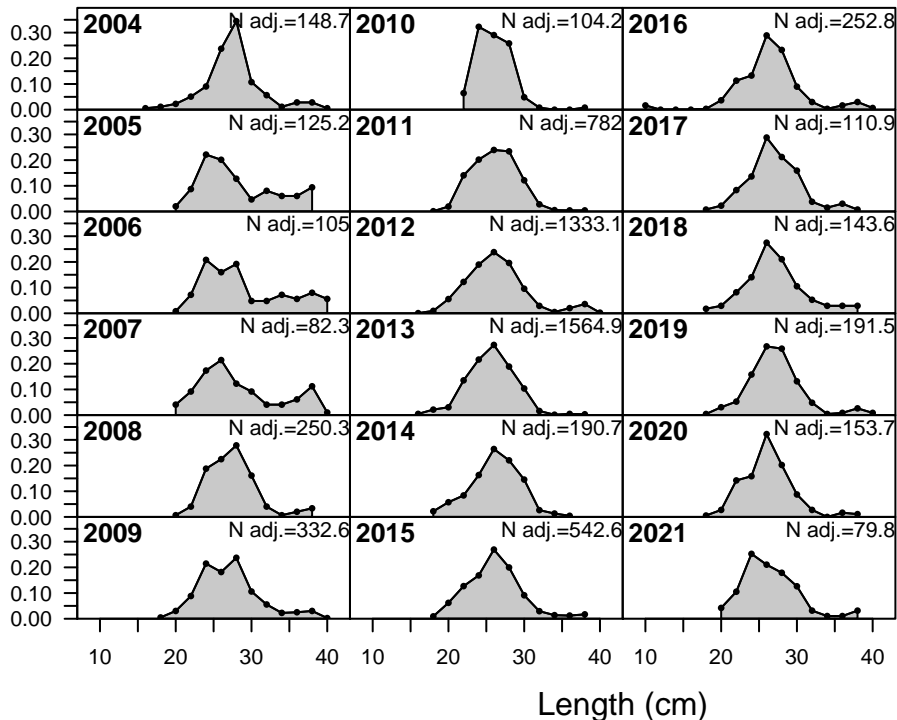


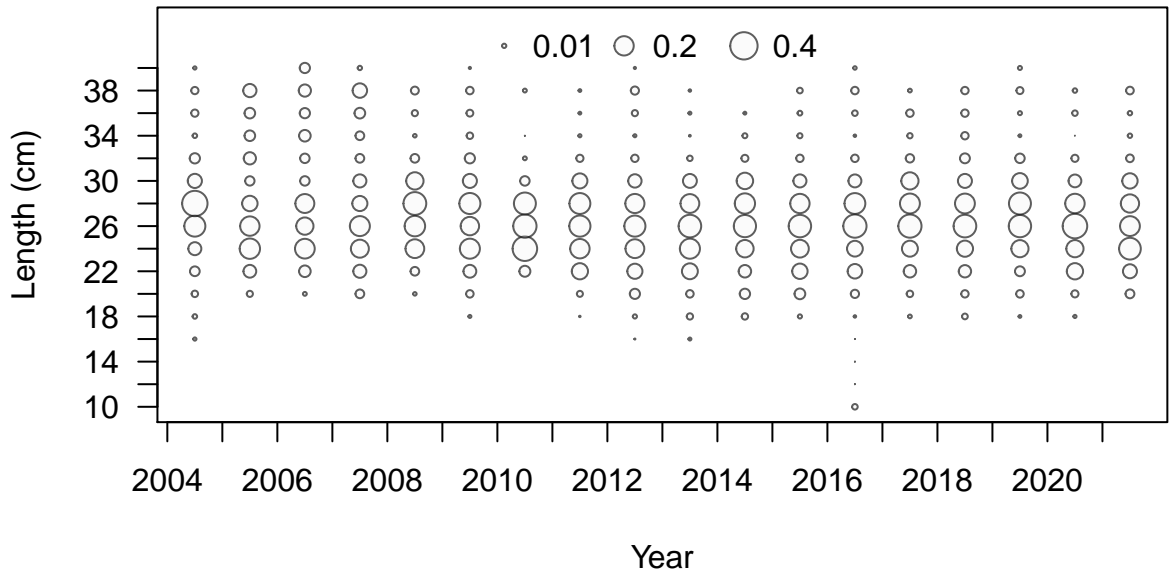
**FISHERY**

Sum of N adj.=6494





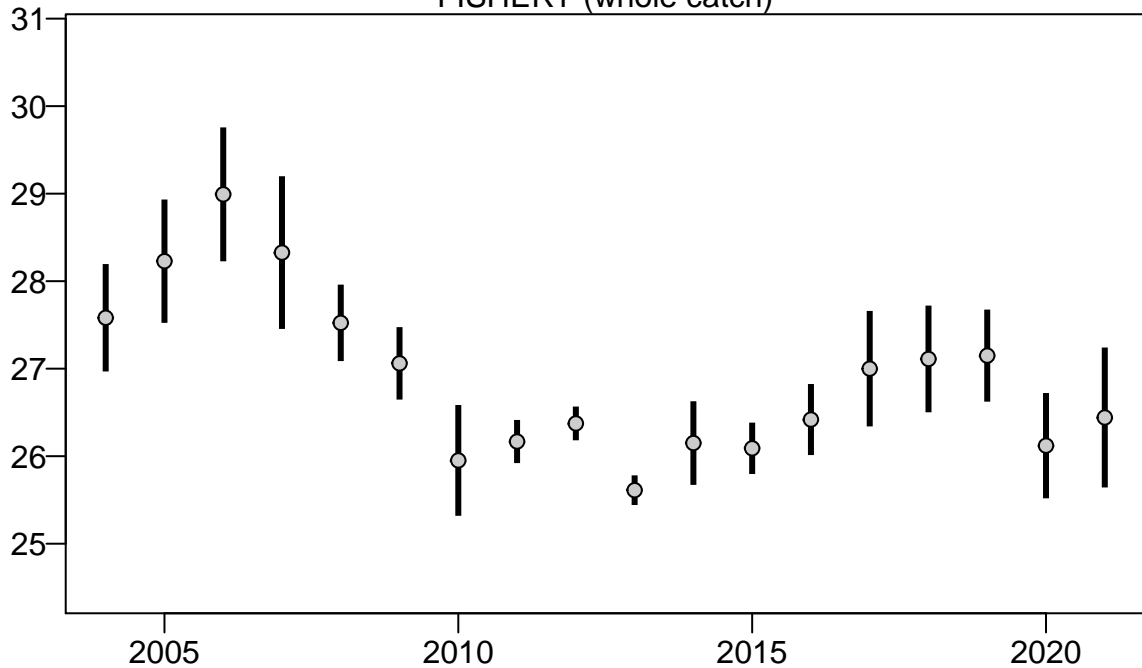


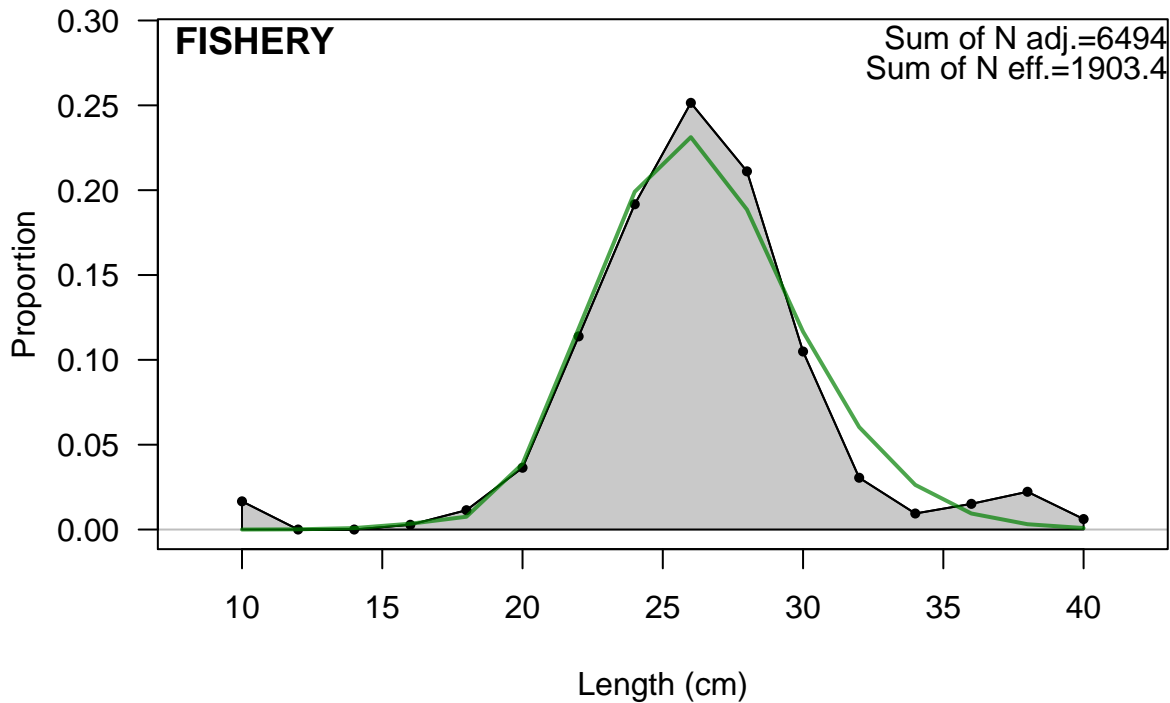


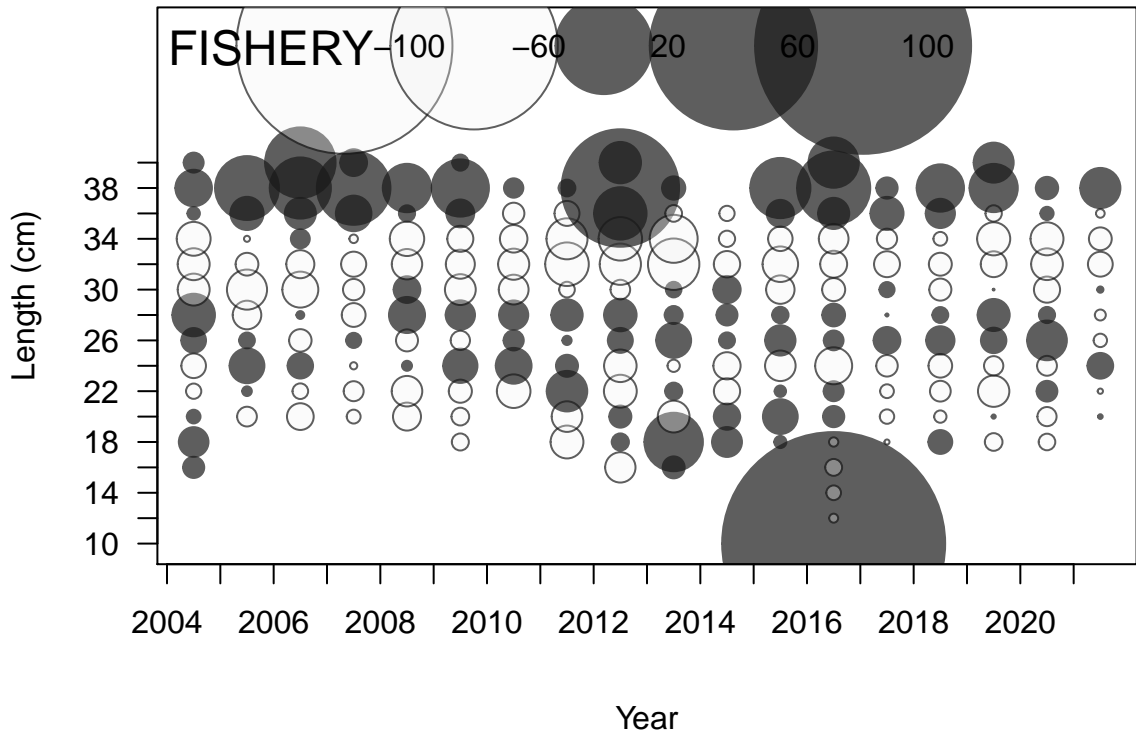
## FISHERY (whole catch)

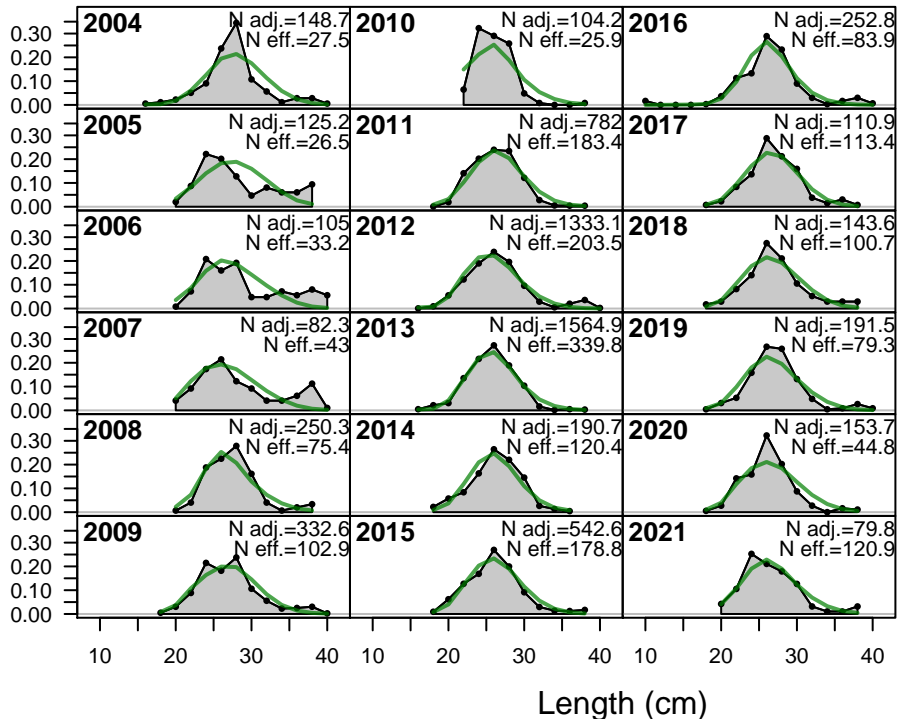
Mean length

Year

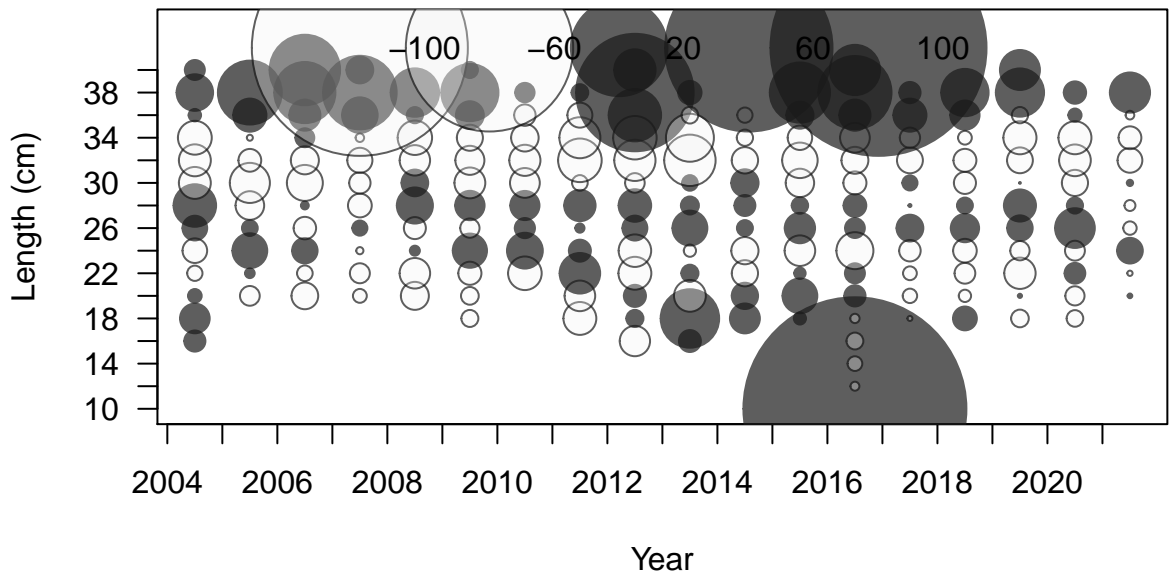




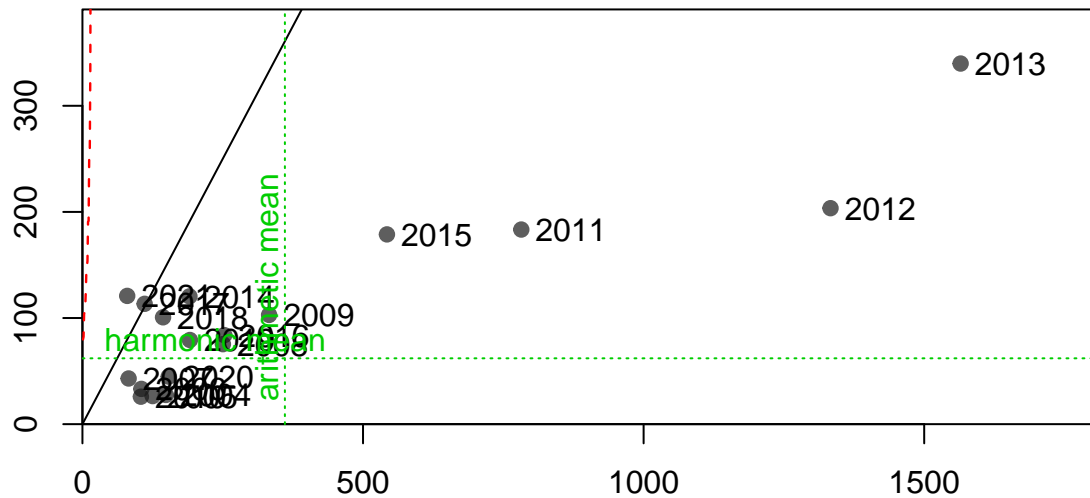








Effective sample size

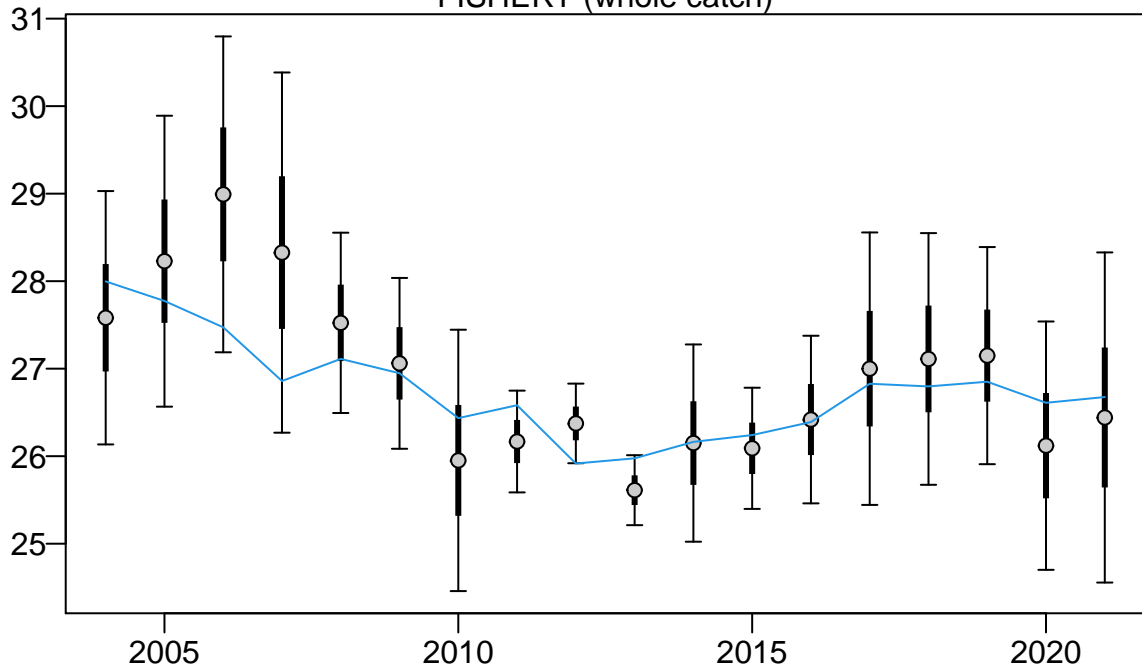


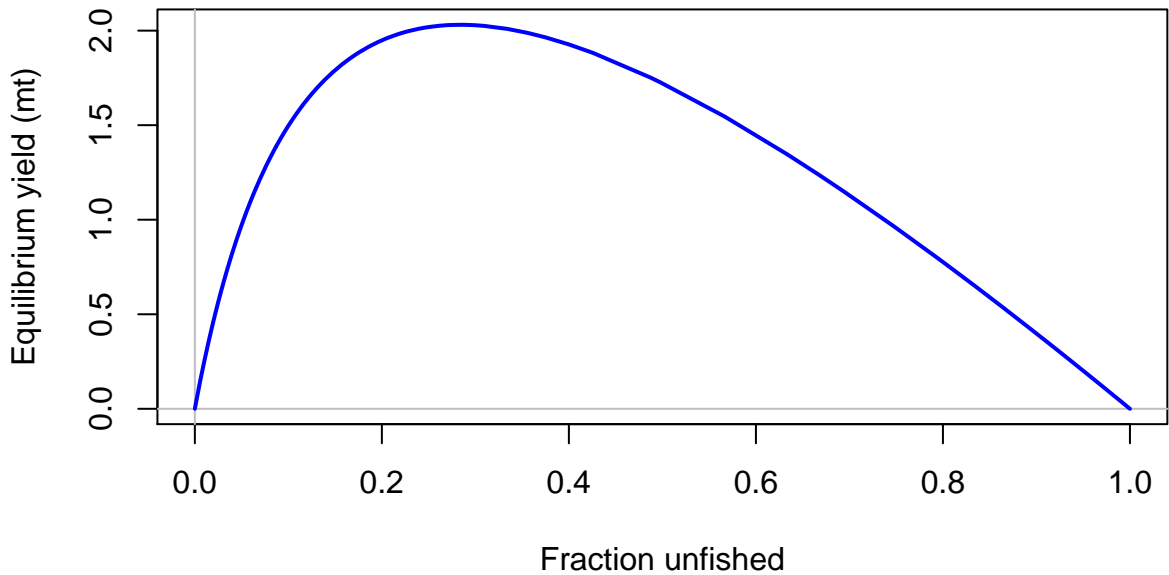
Observed sample size

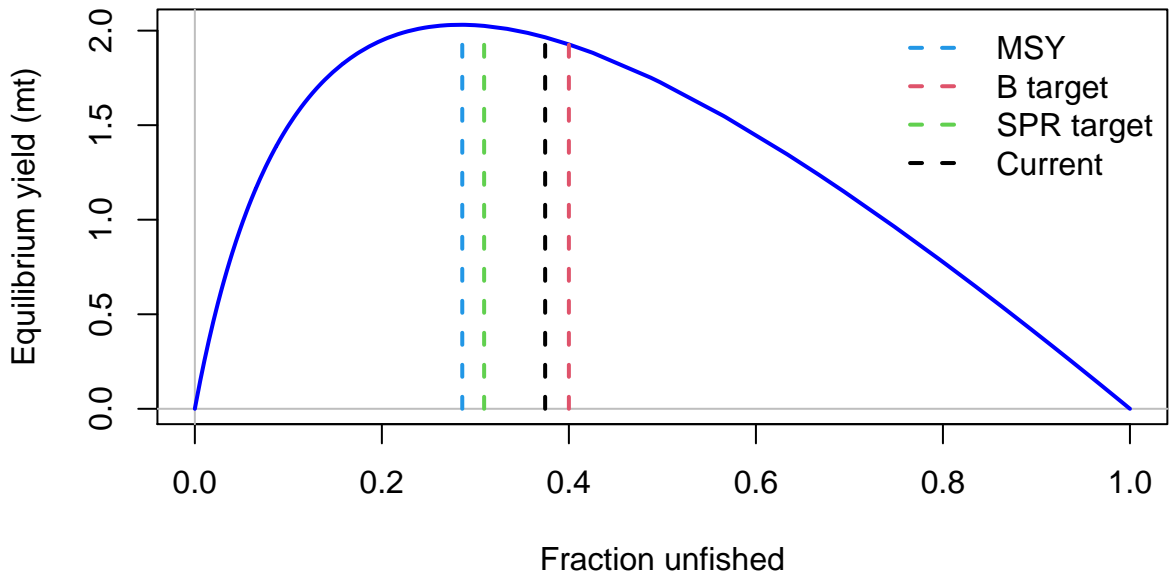
## FISHERY (whole catch)

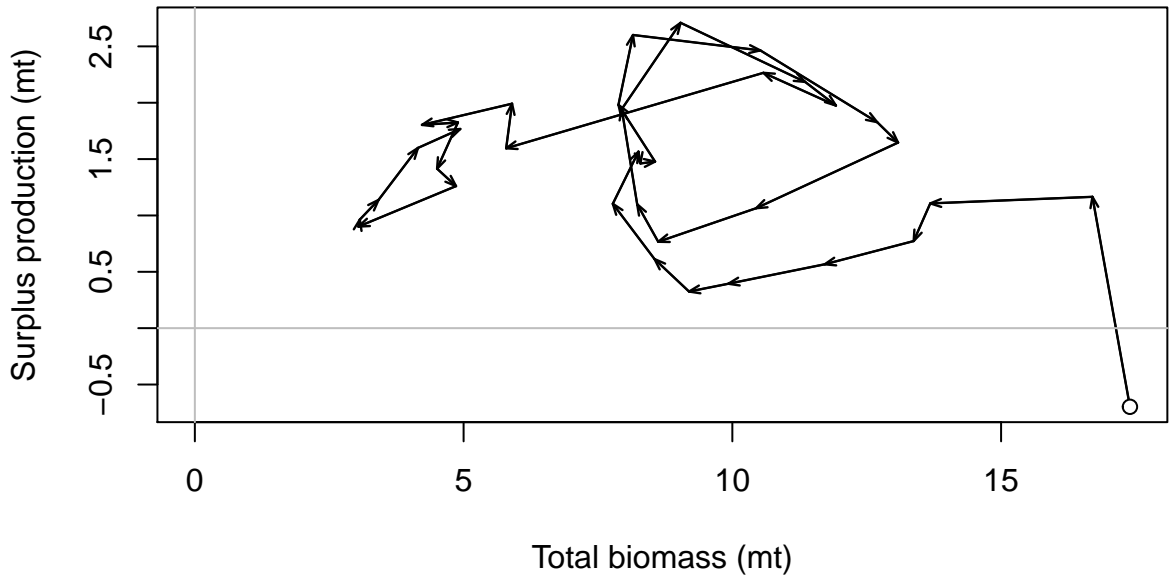
Mean length

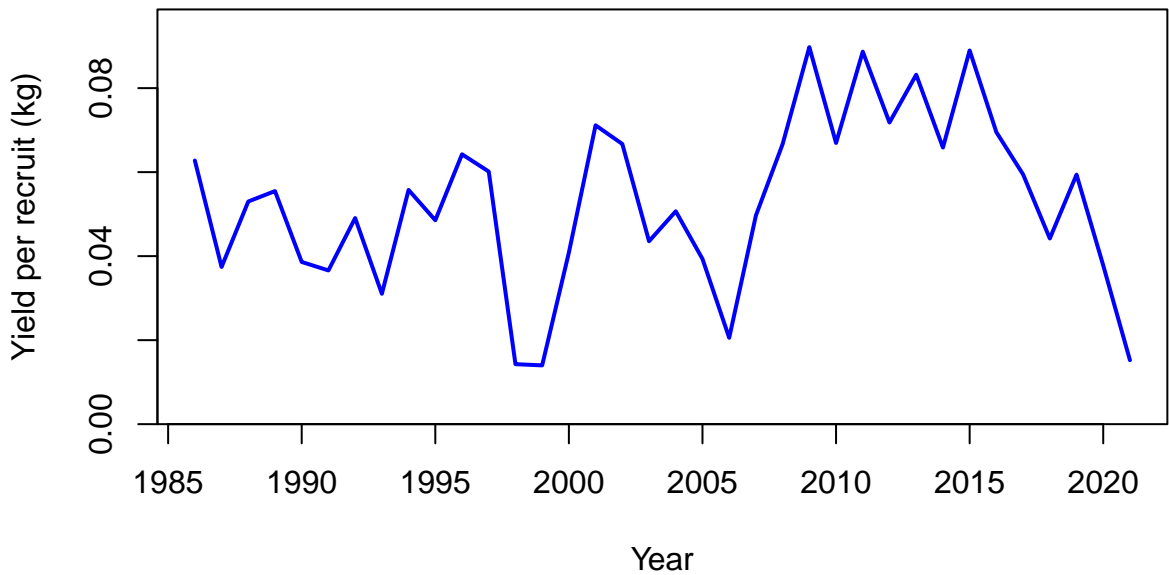
Year

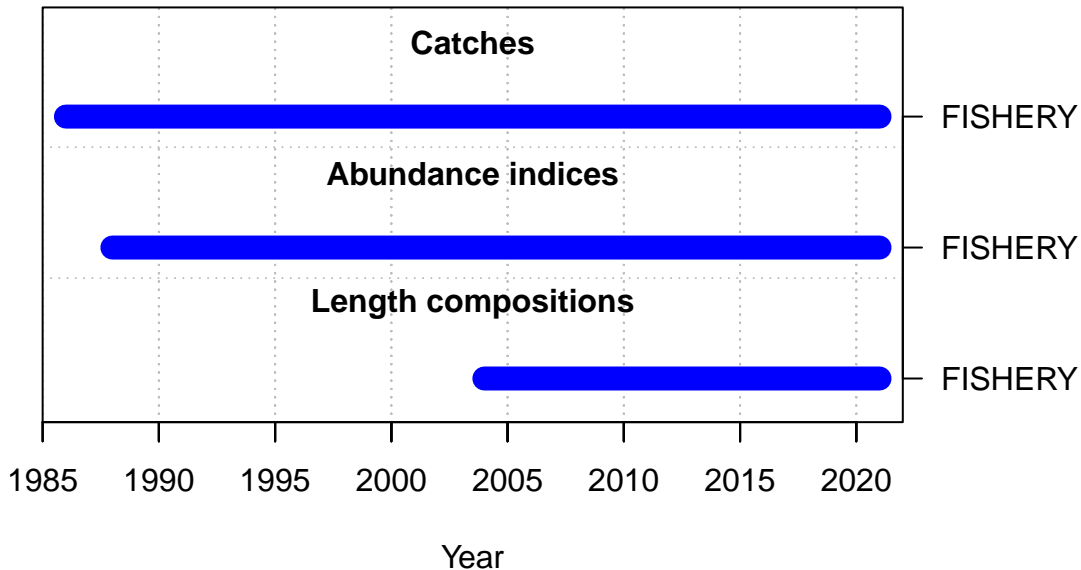




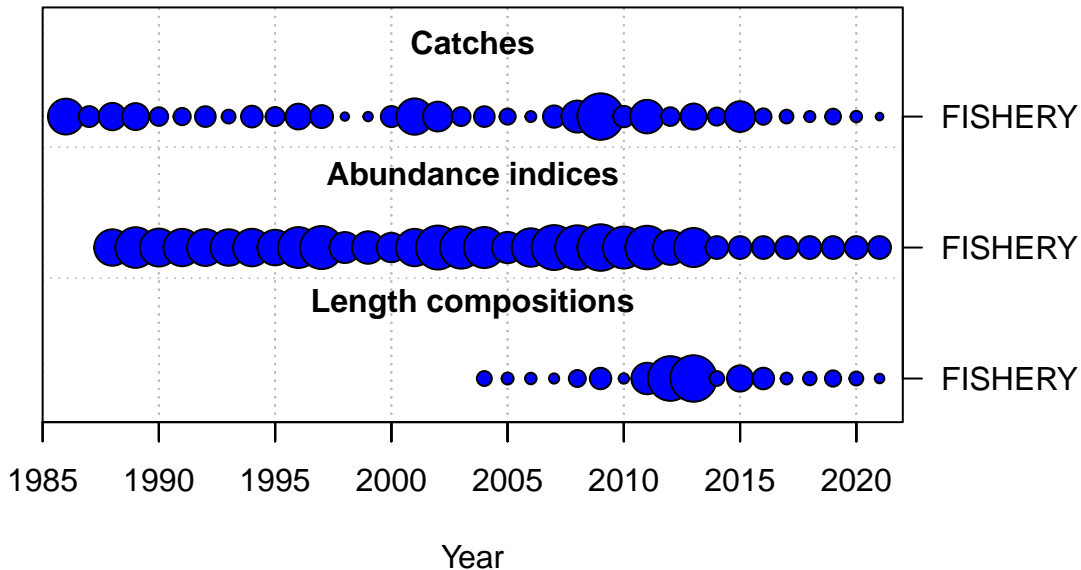












Density

