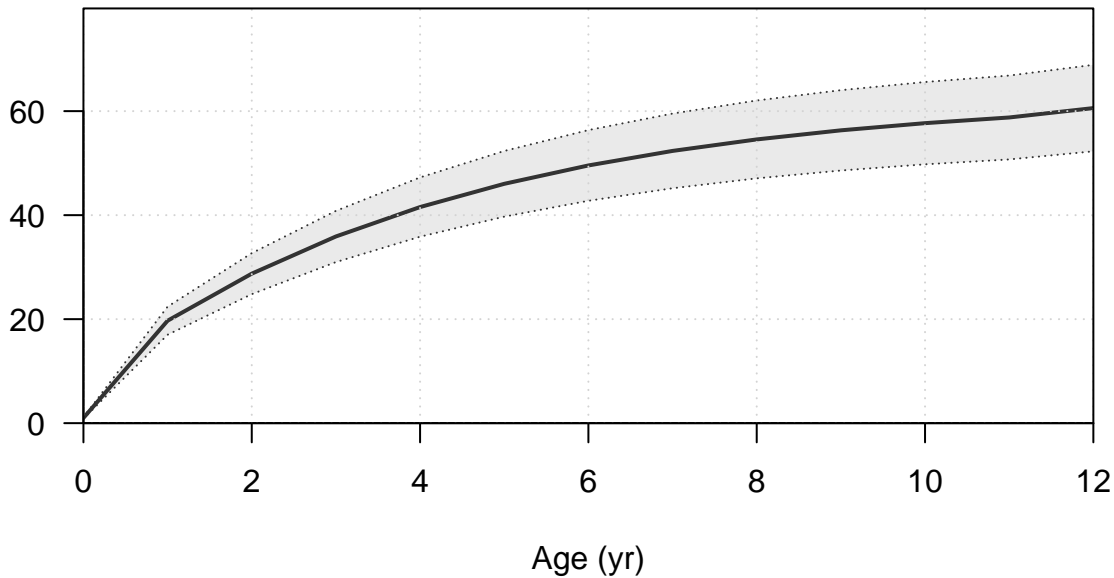
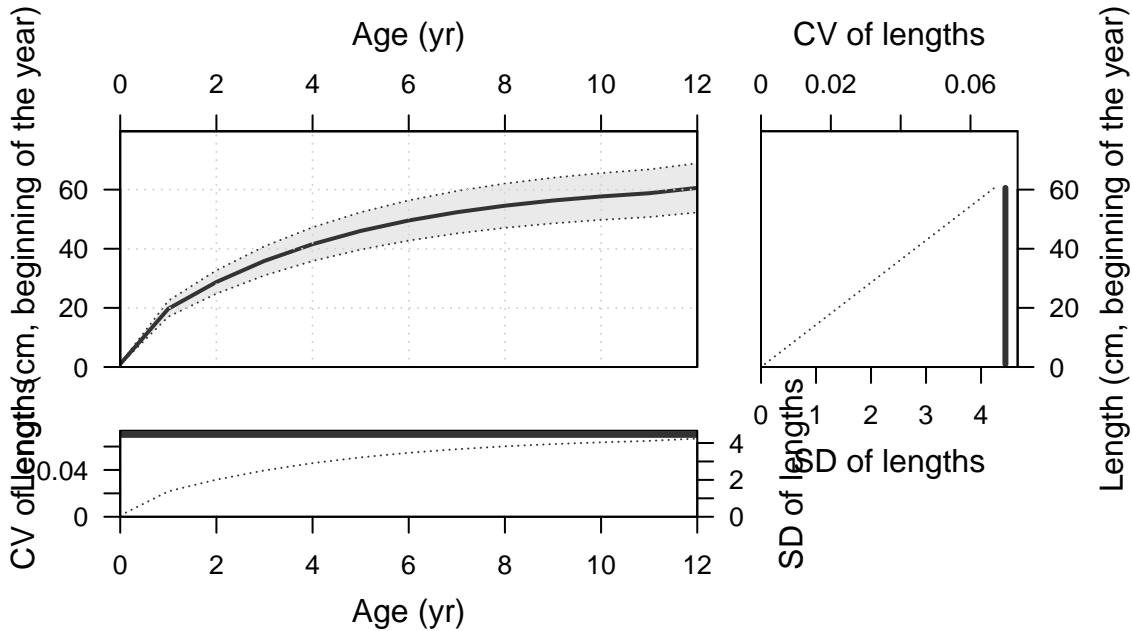
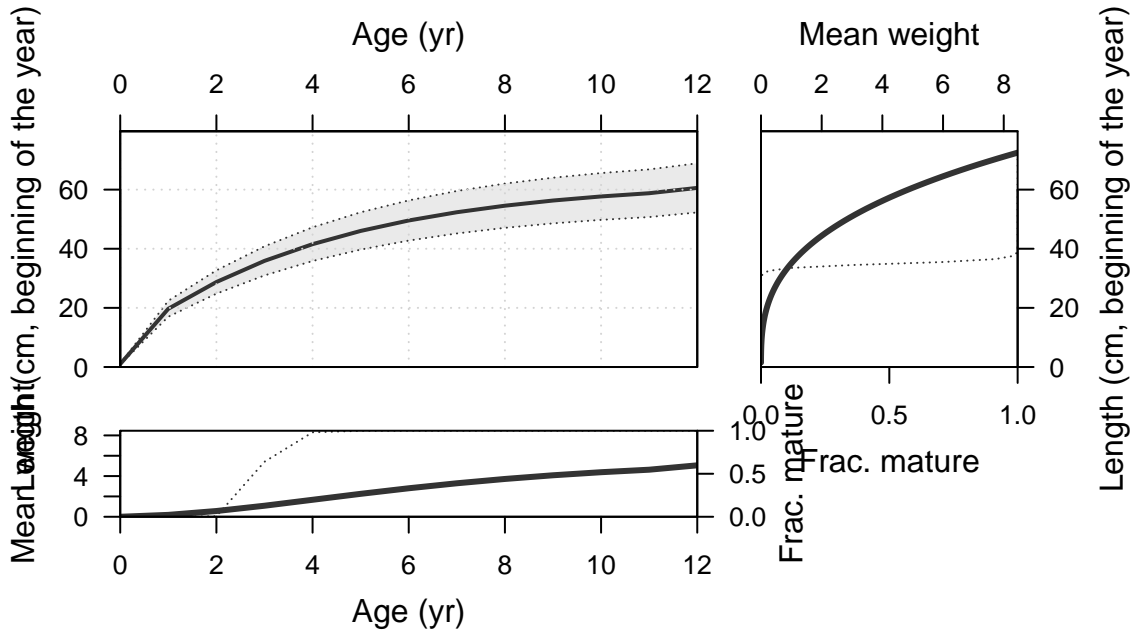


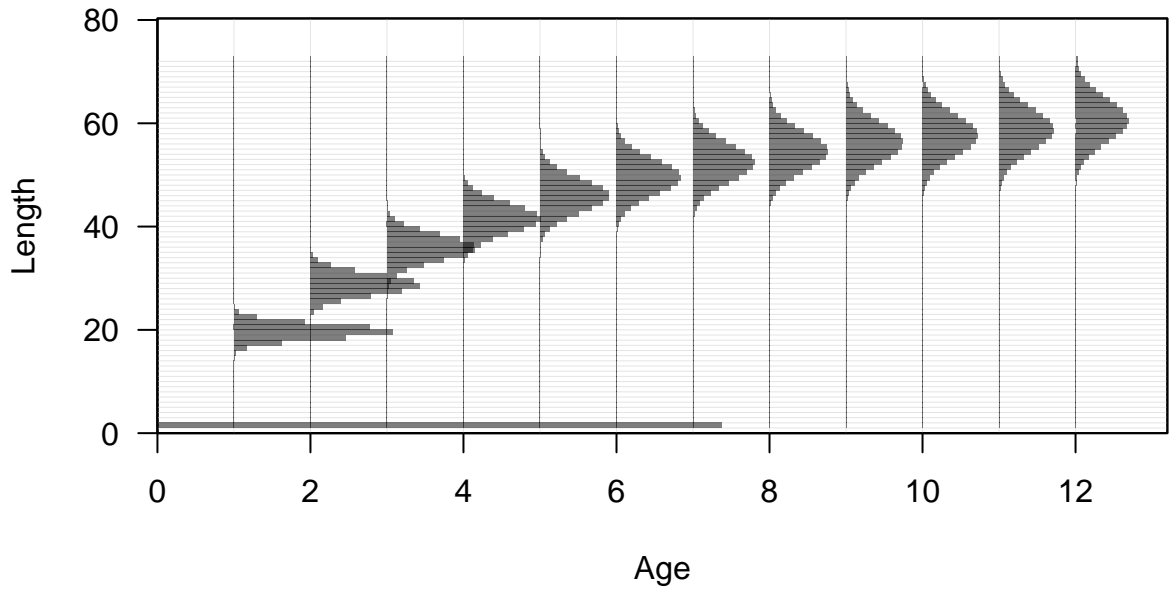
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Tue Aug 02 10:34:27 2022  
Data\_File: data.ss  
Control\_File: control.ss

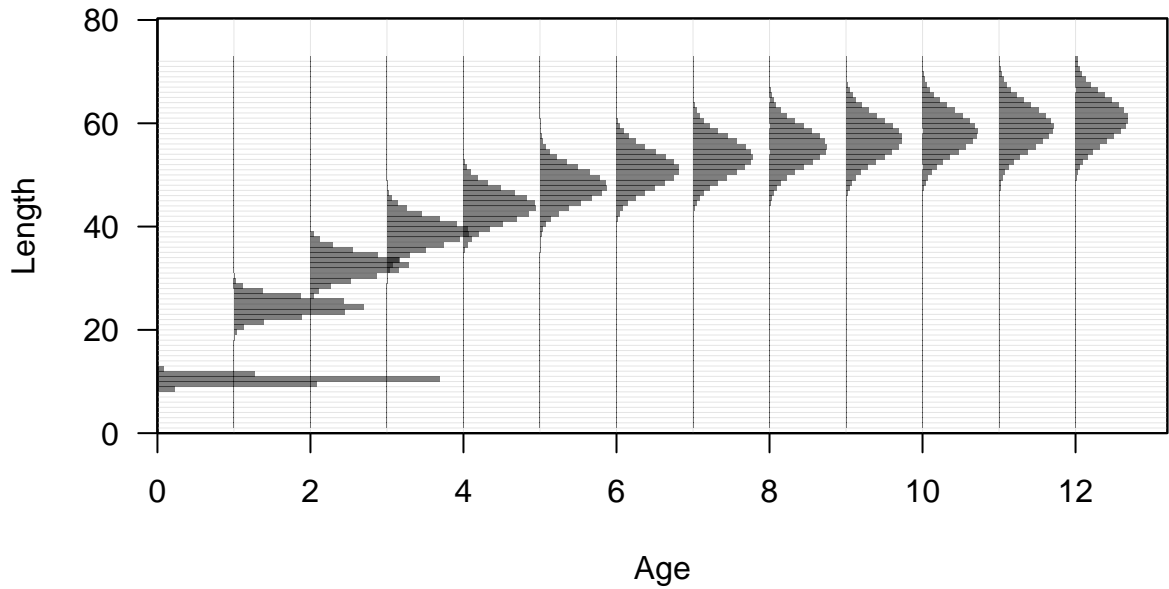
Length (cm, beginning of the year)



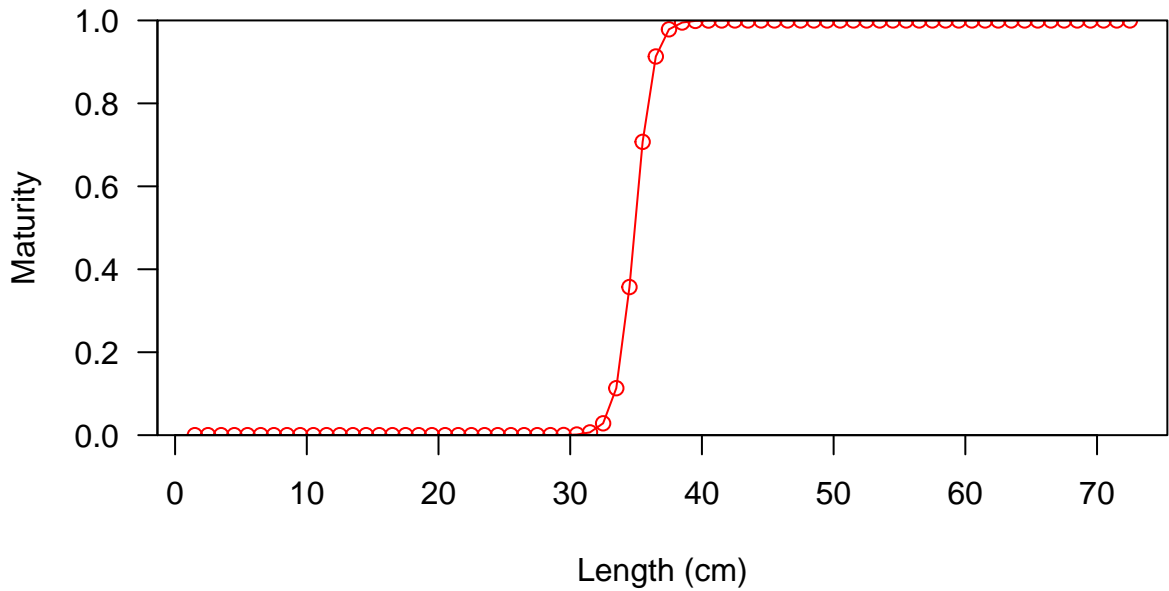








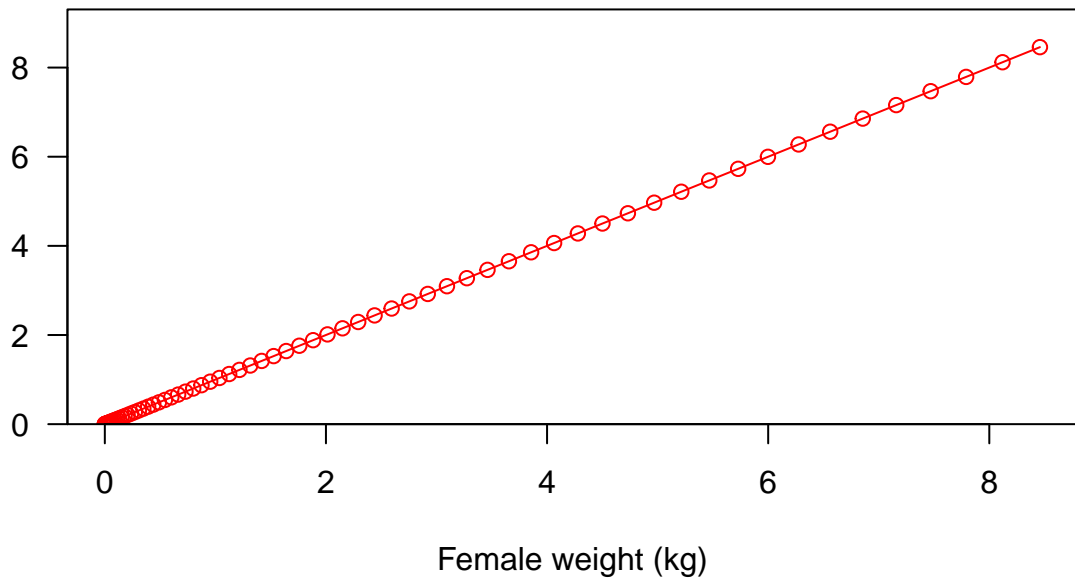








Fecundity



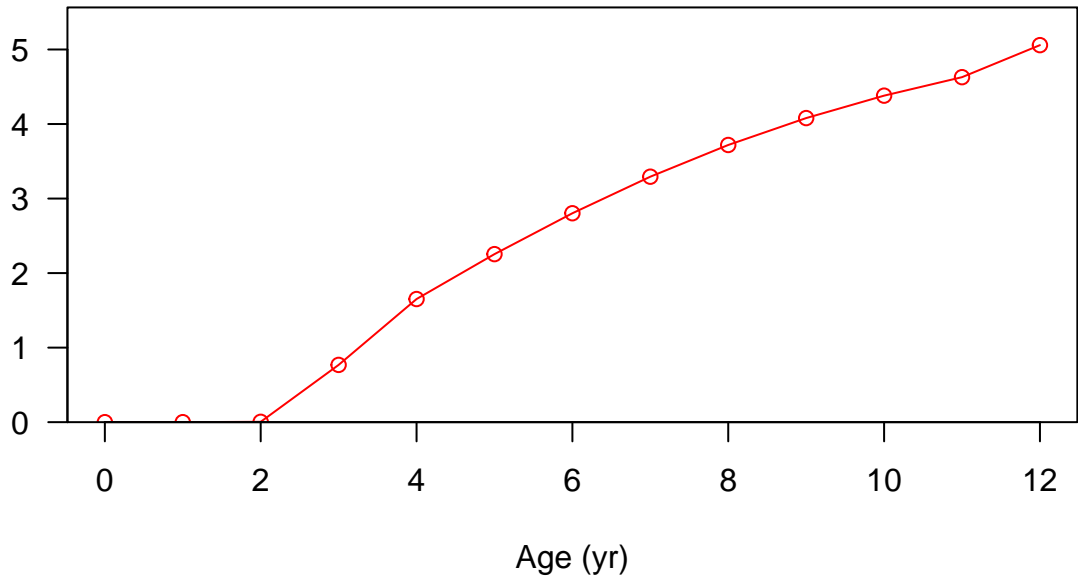
Fecundity

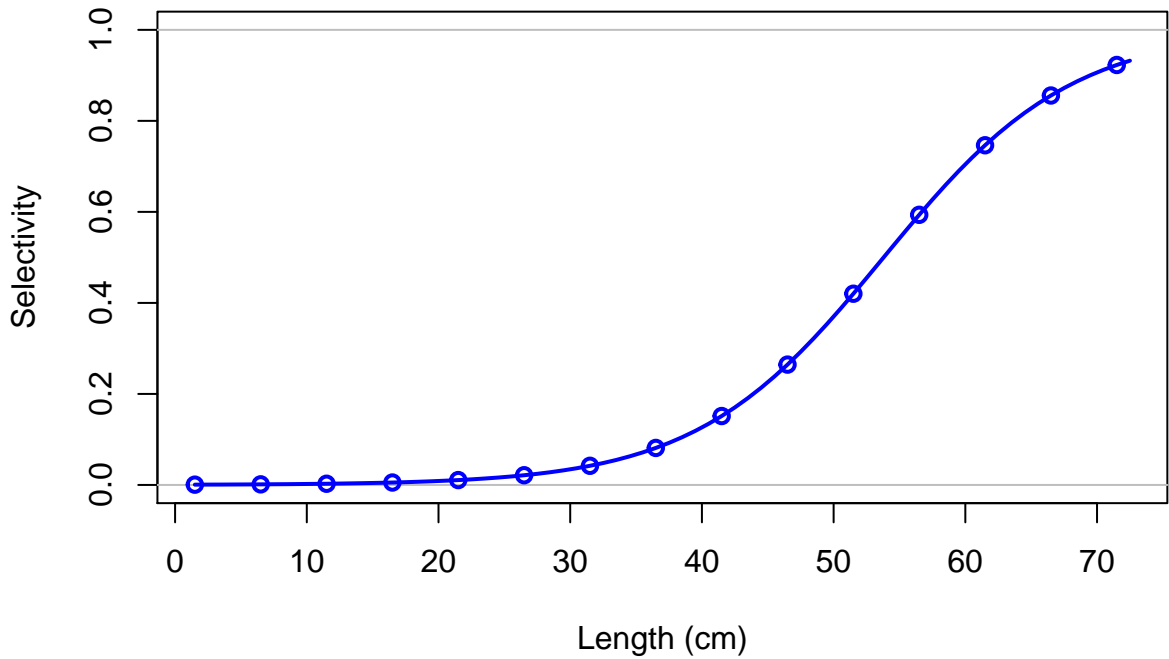


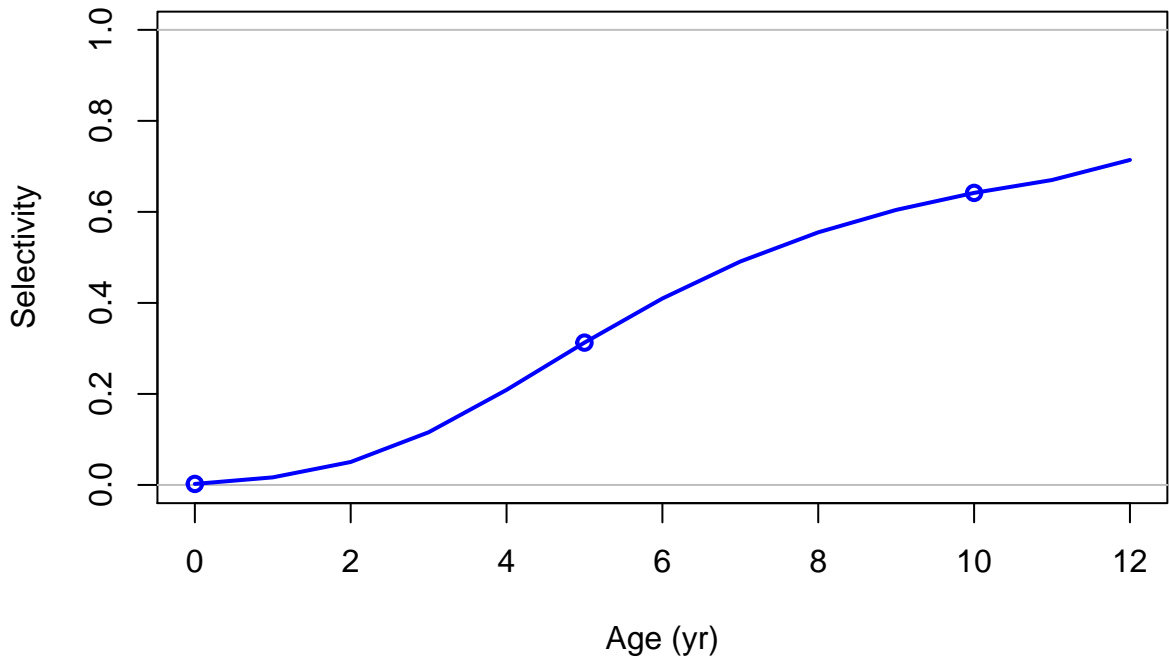
Spawning output



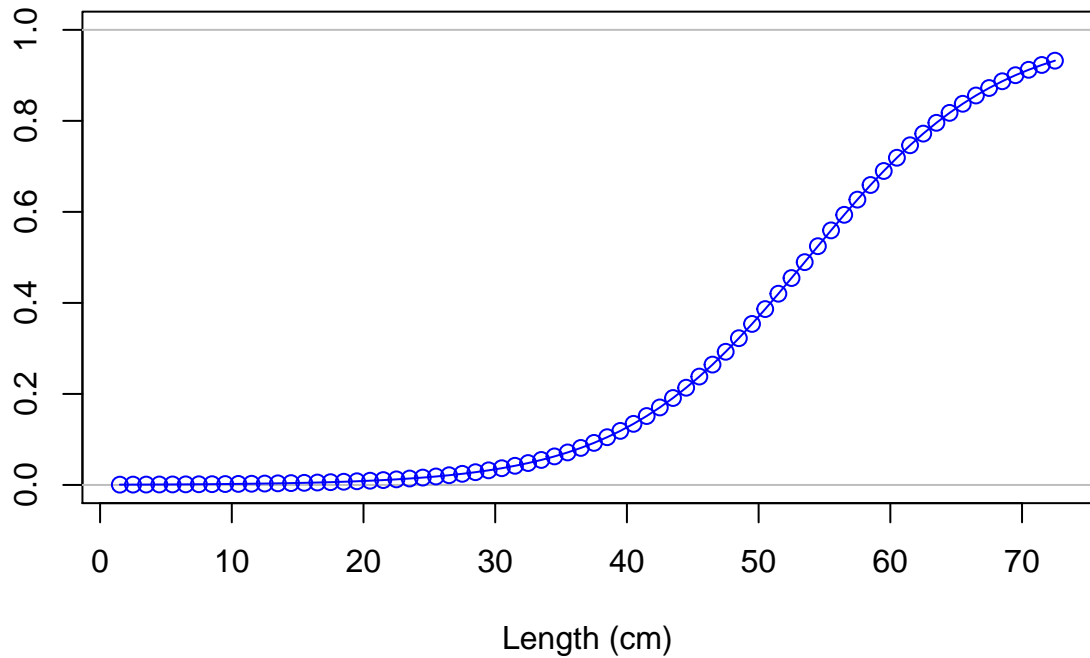
Spawning output



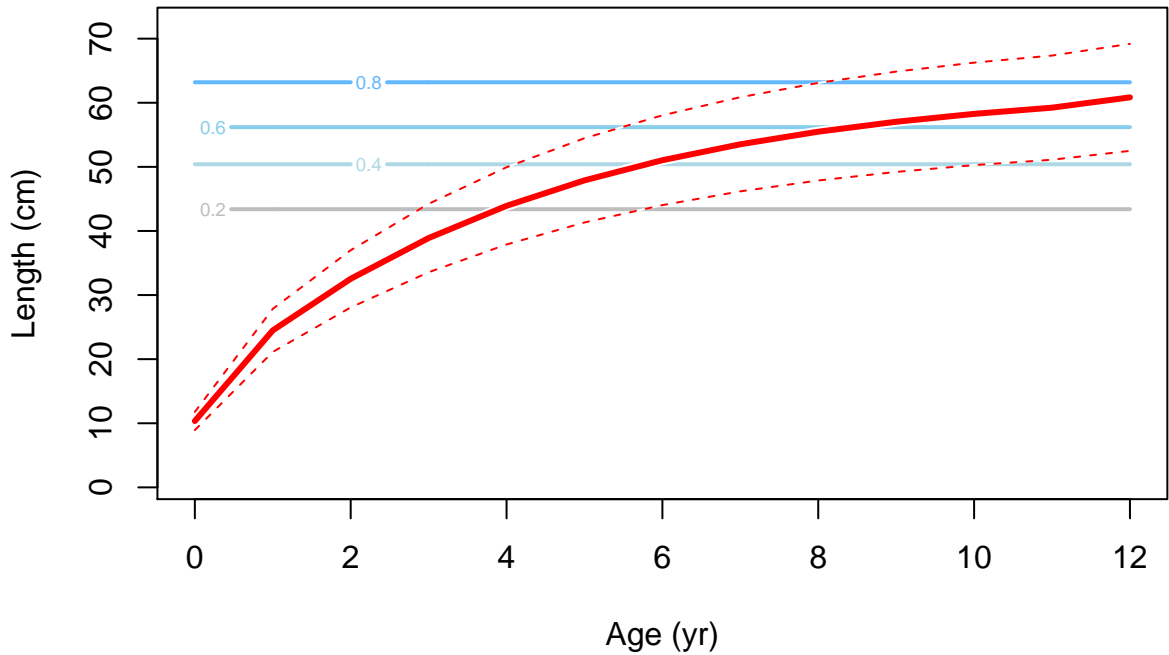


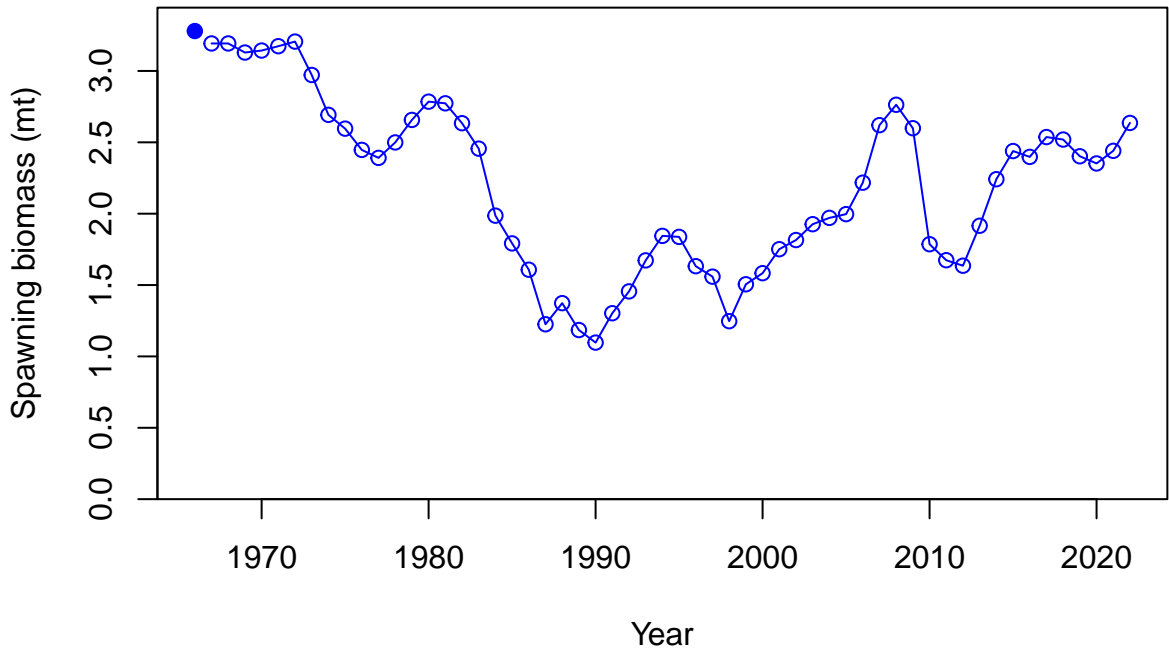


Selectivity

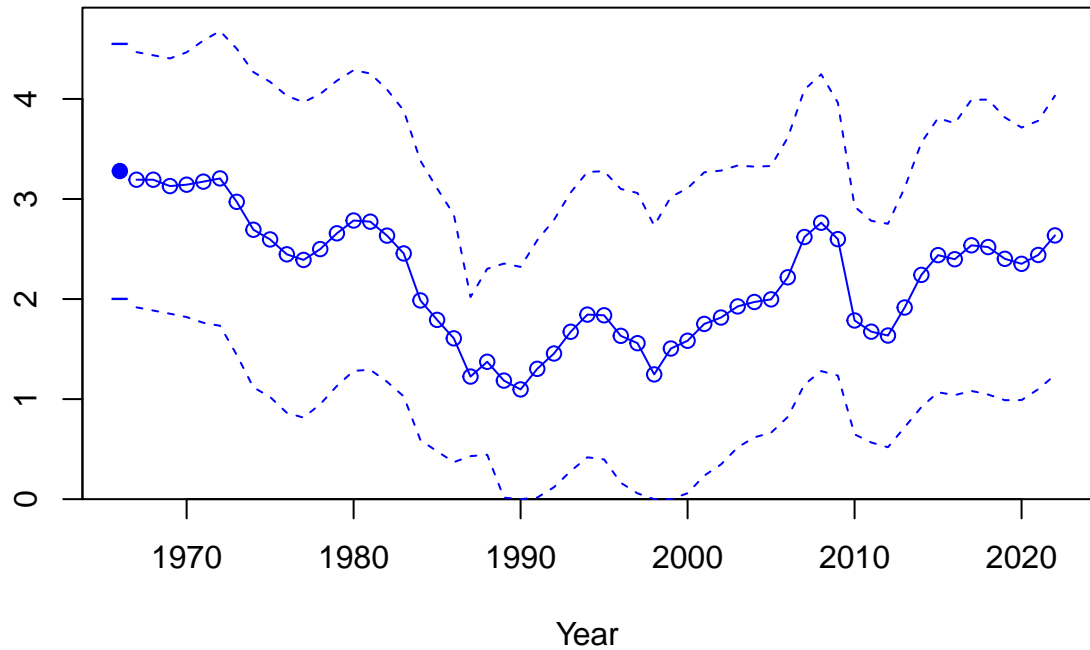




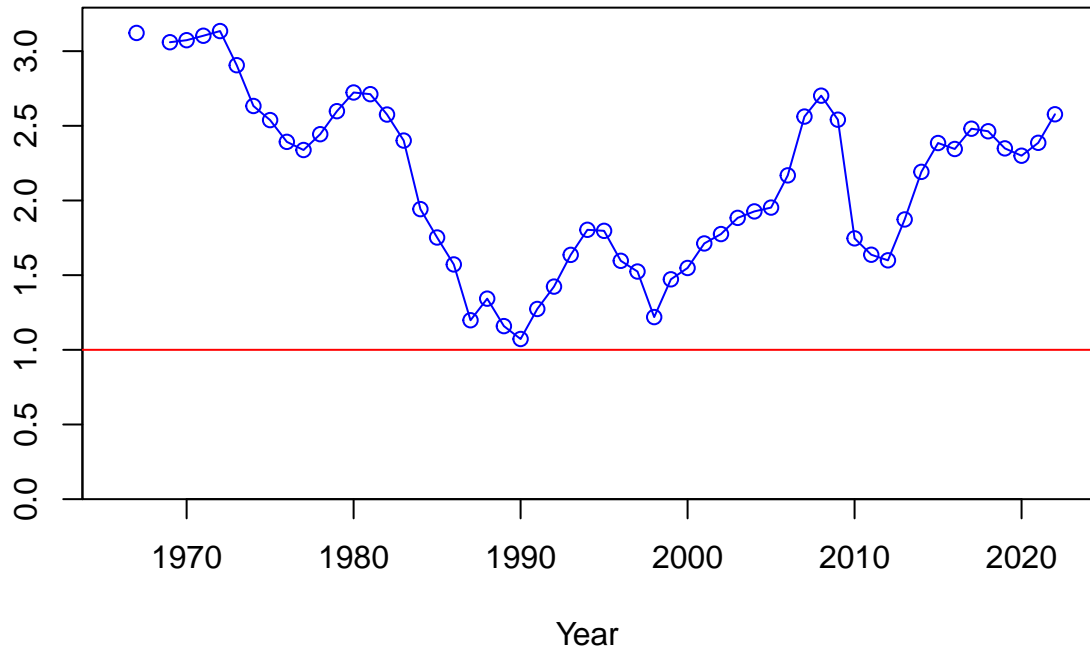




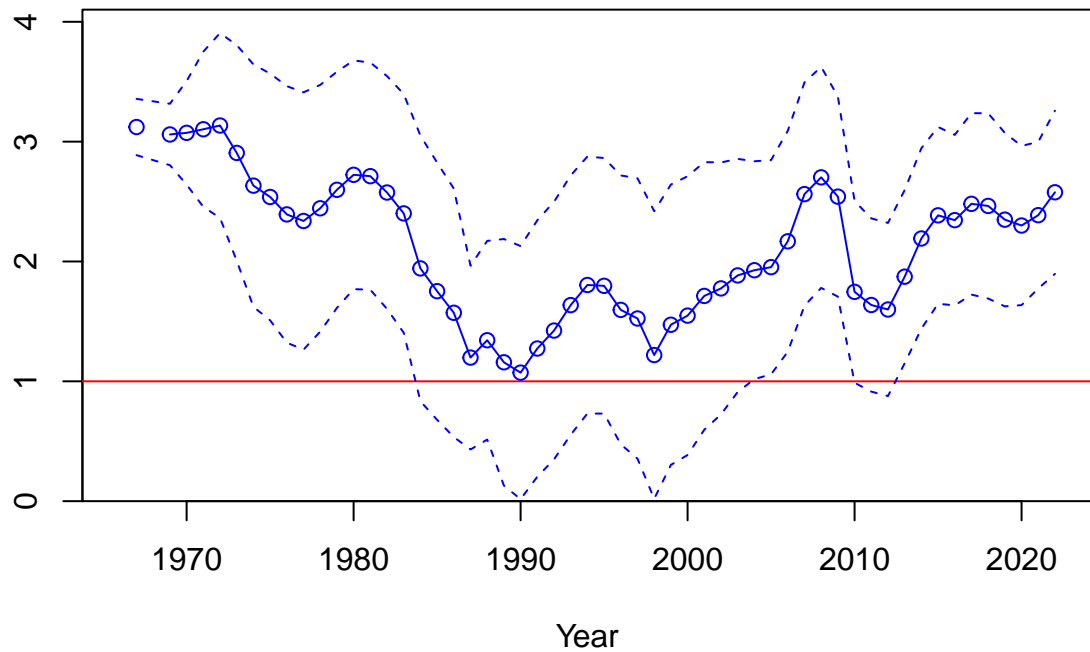
Spawning biomass (mt)

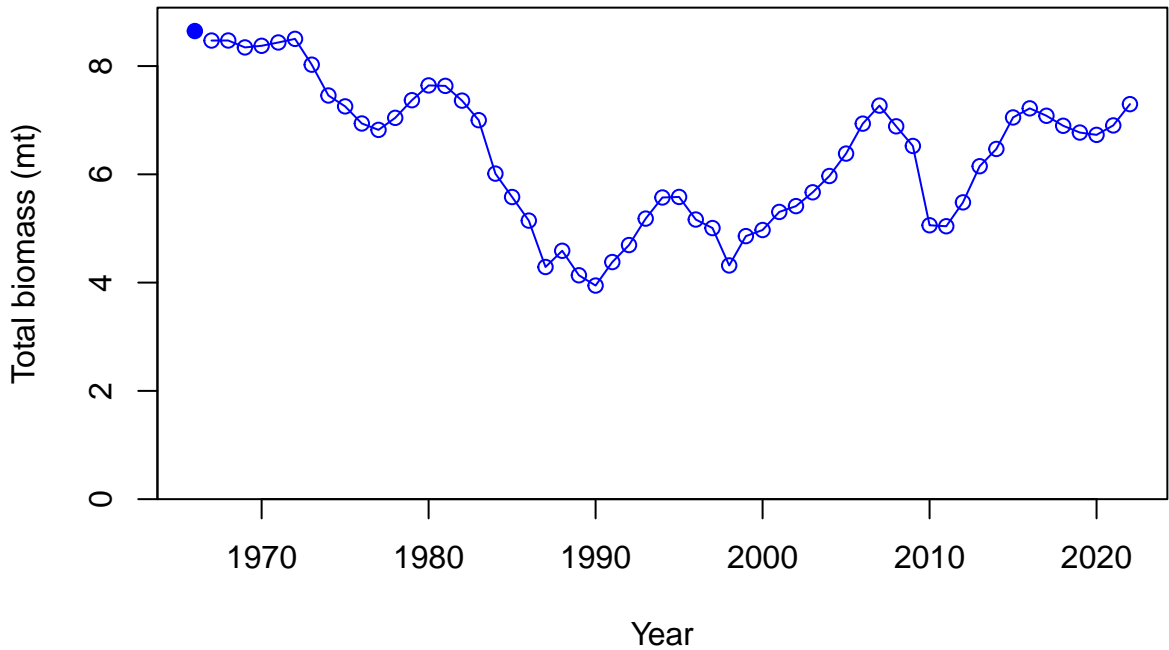


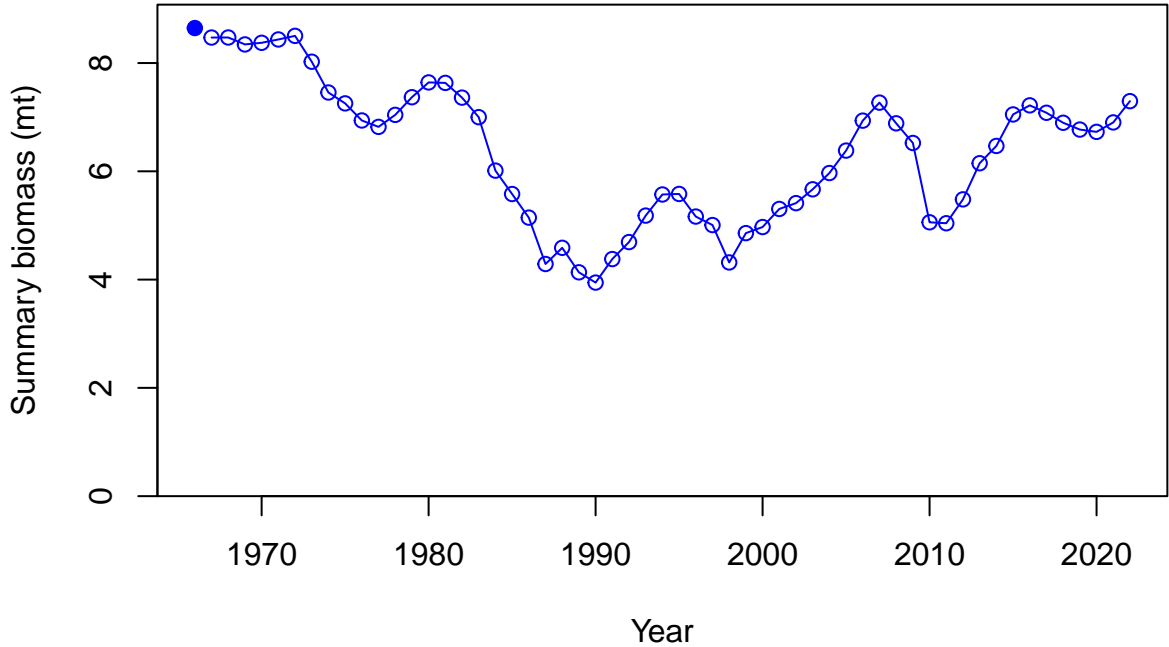
Relative spawning biomass:  $B/B_{MSY}$



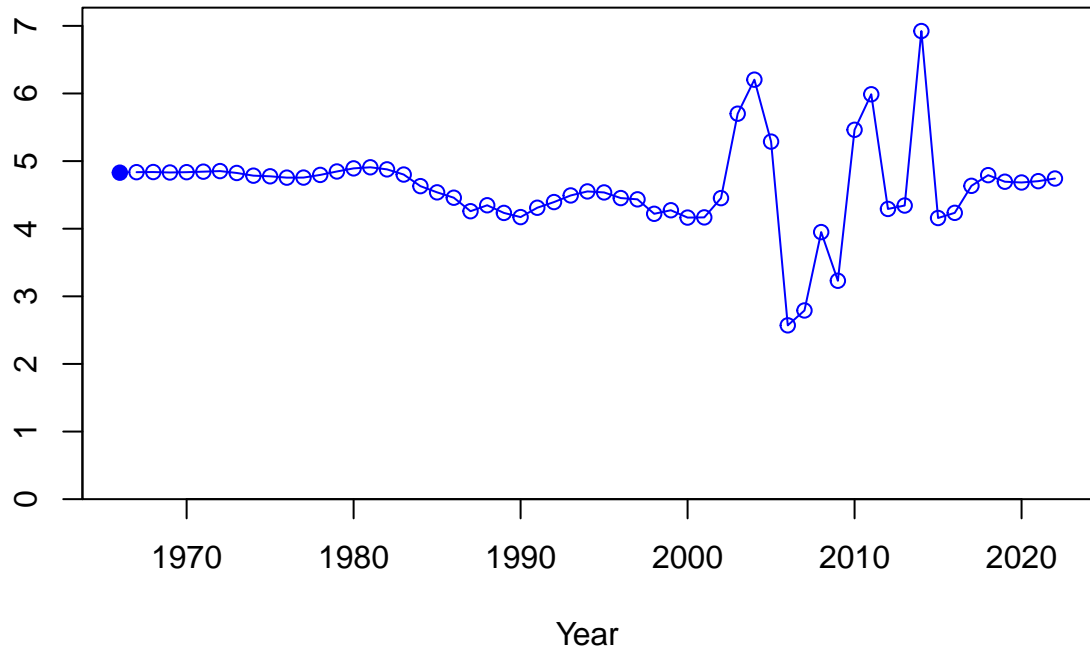
Relative spawning biomass:  $B/B_{MSY}$





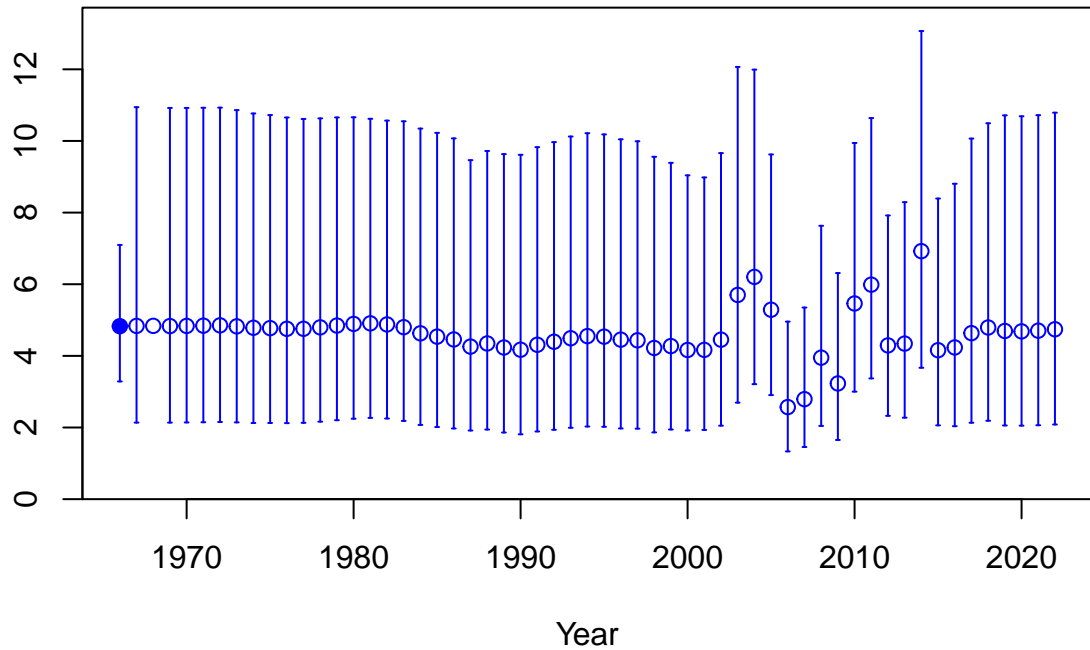


Age-0 recruits (1,000s)

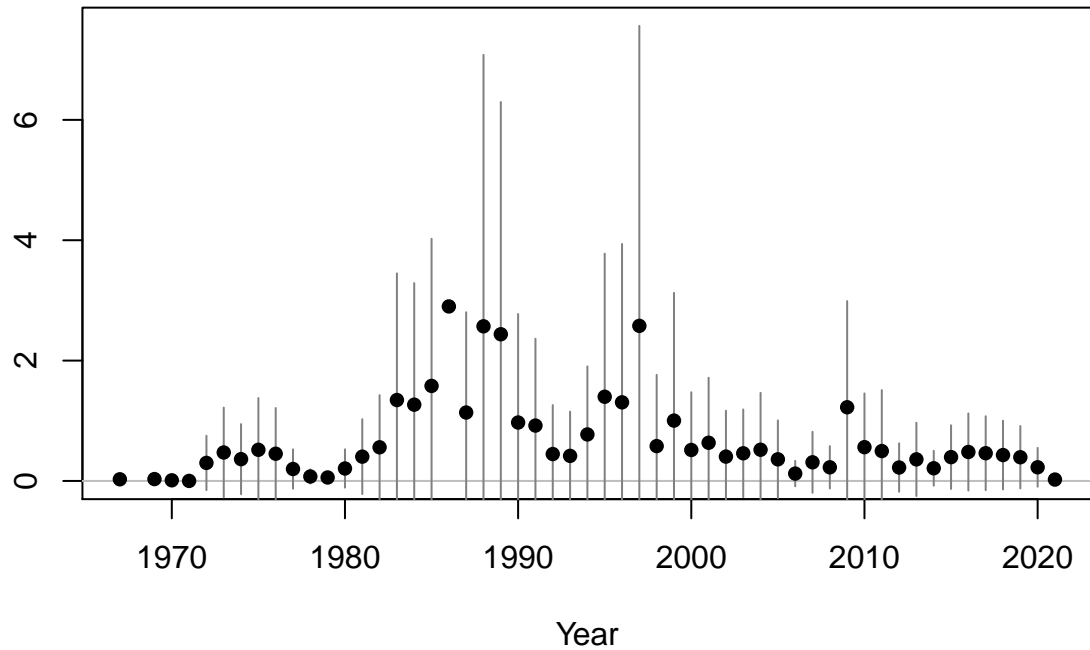


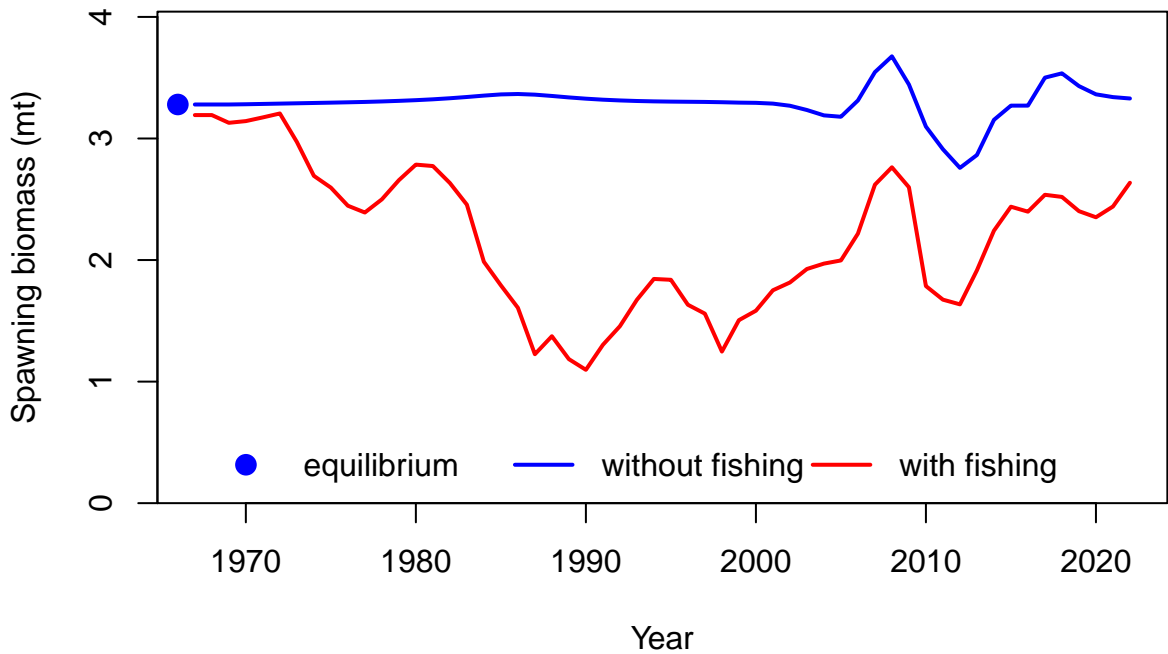


Age-0 recruits (1,000s)

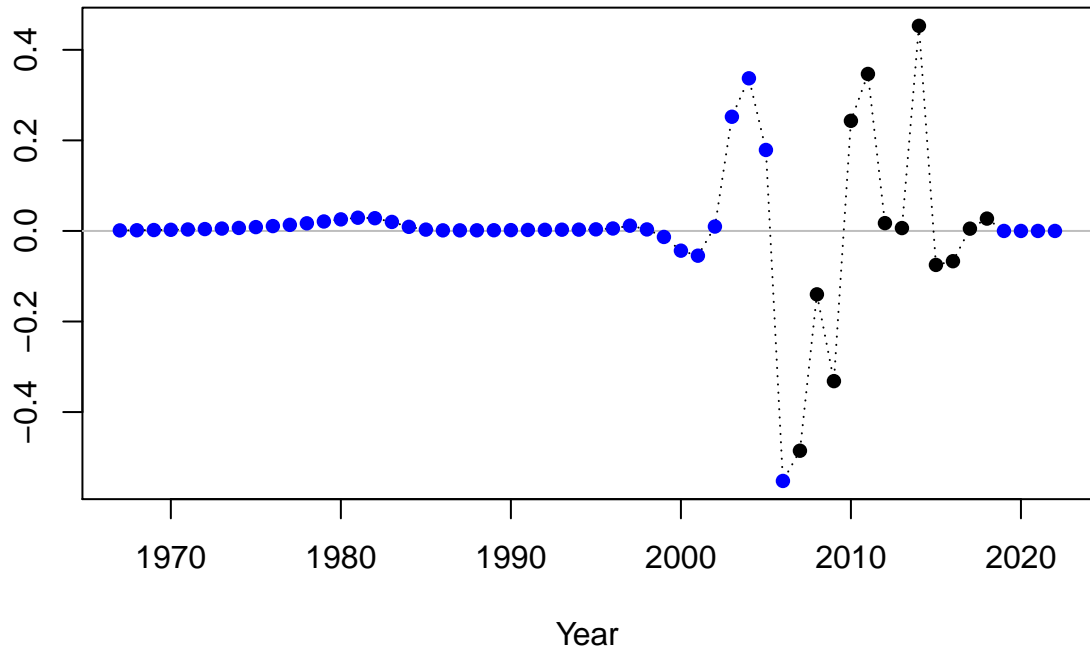


Summary Fishing Mortality

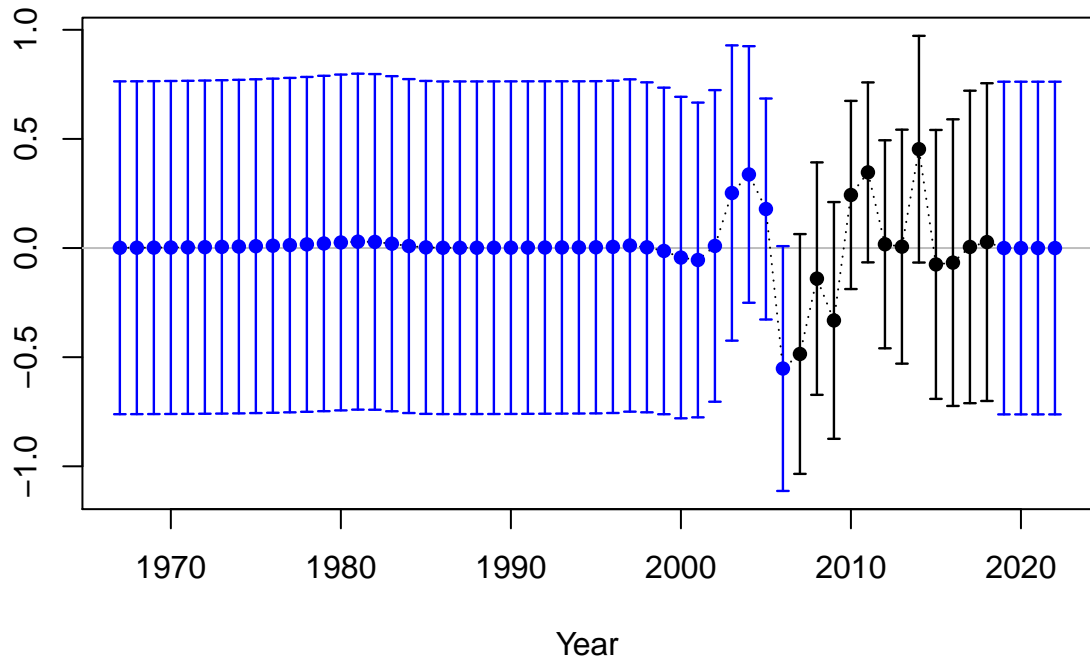




Log recruitment deviation

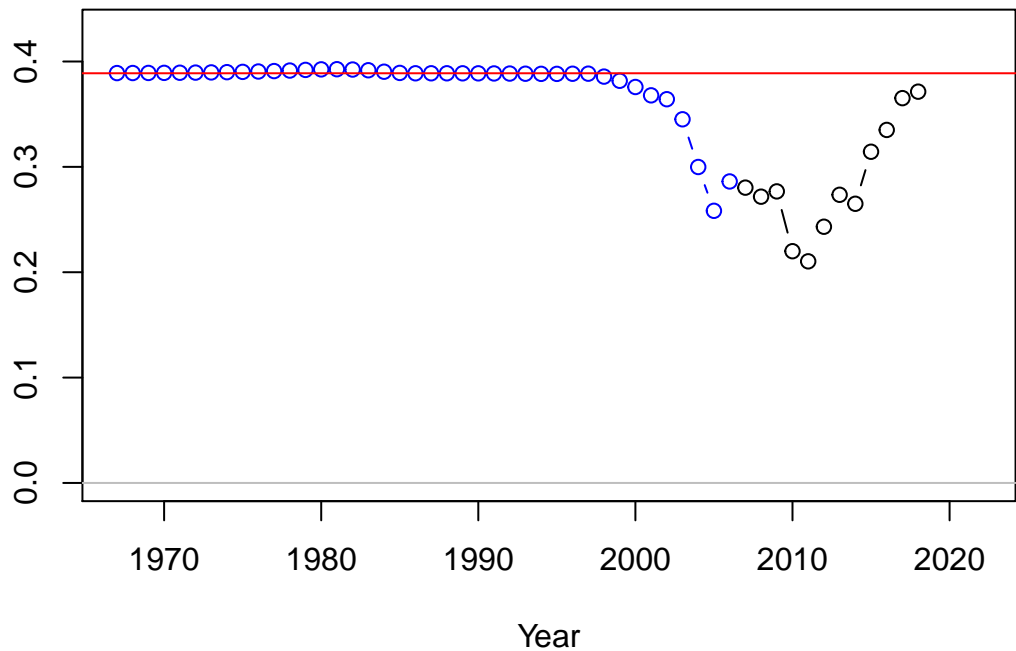


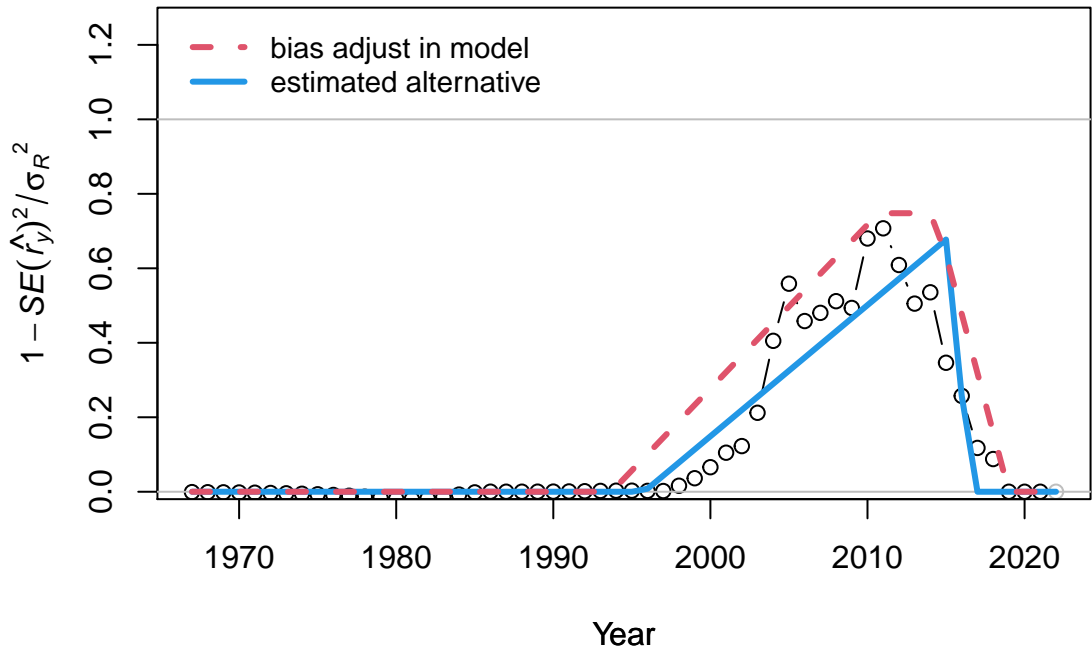
Log recruitment deviation

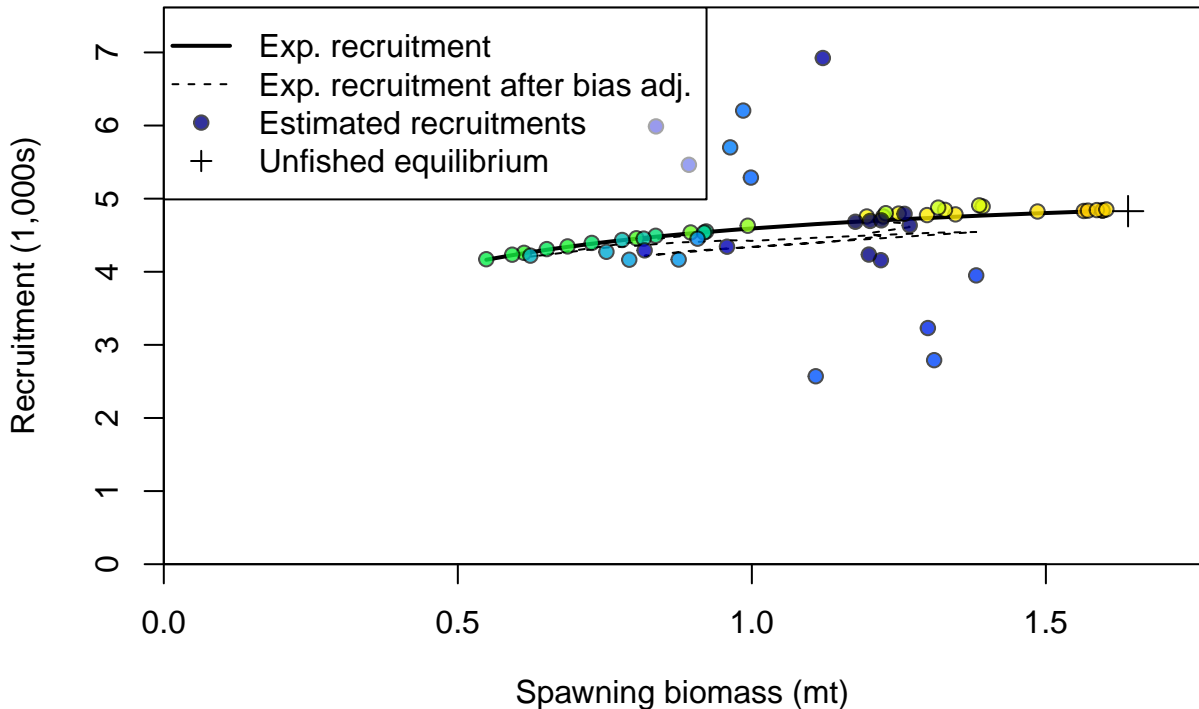


## Recruitment deviation variance

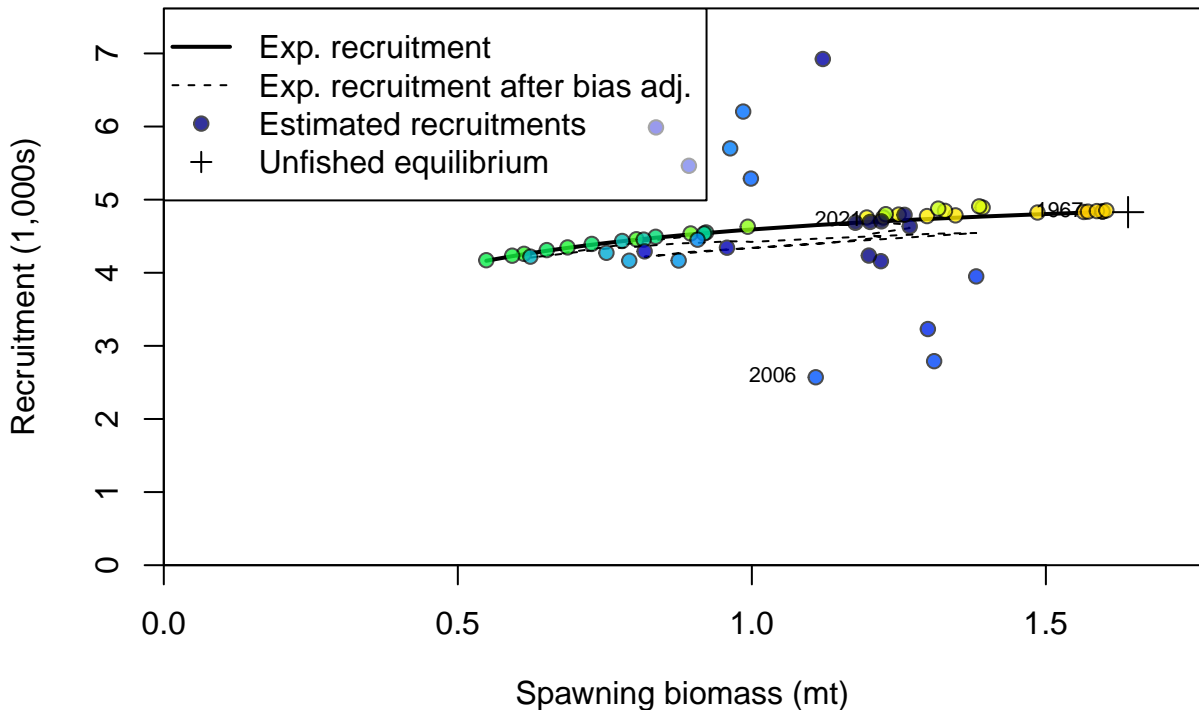
Asymptotic standard error estimate



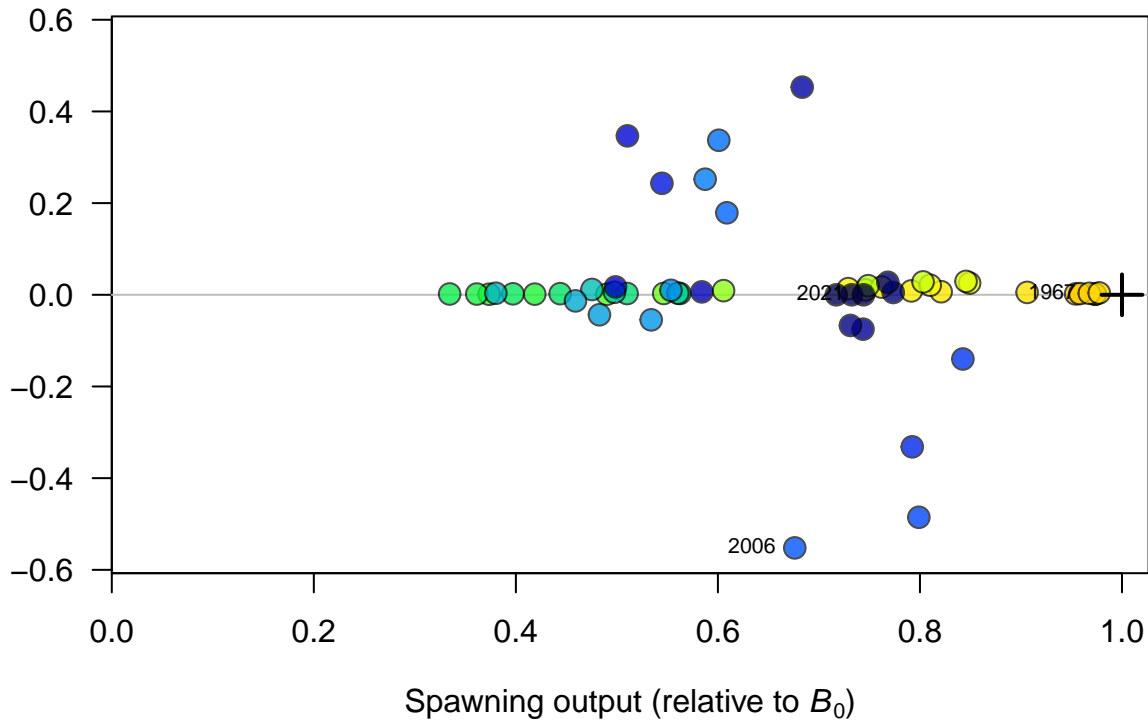


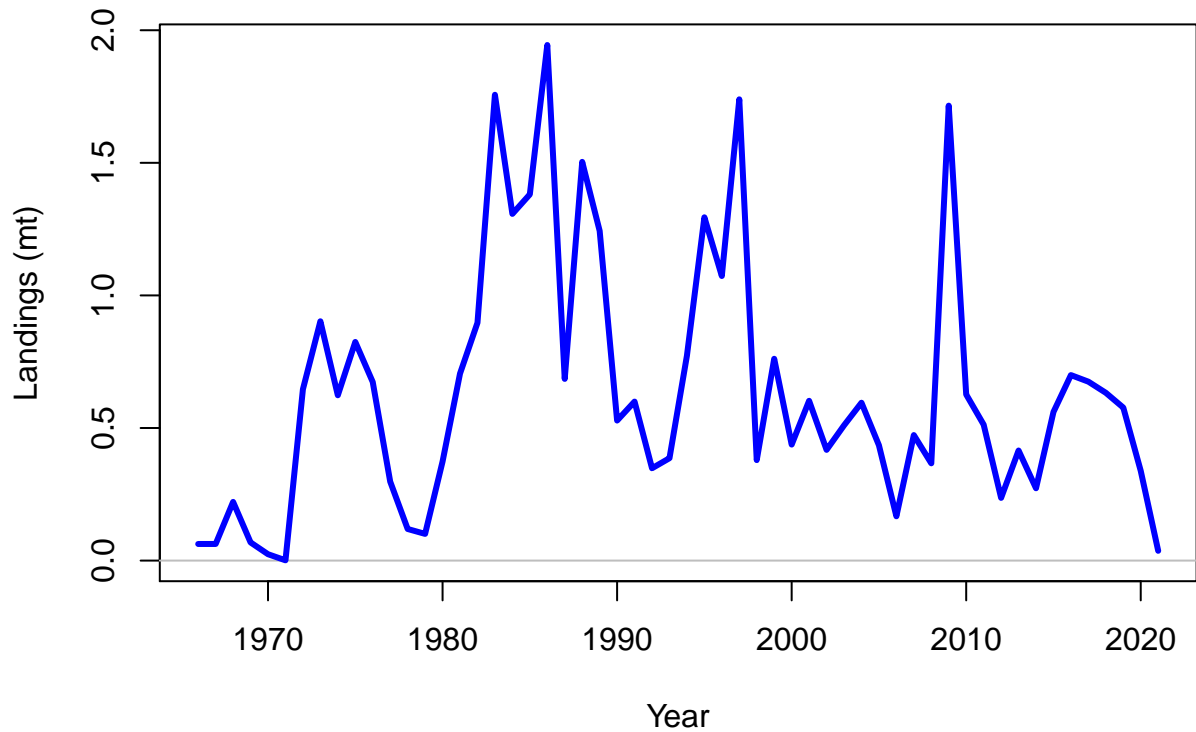


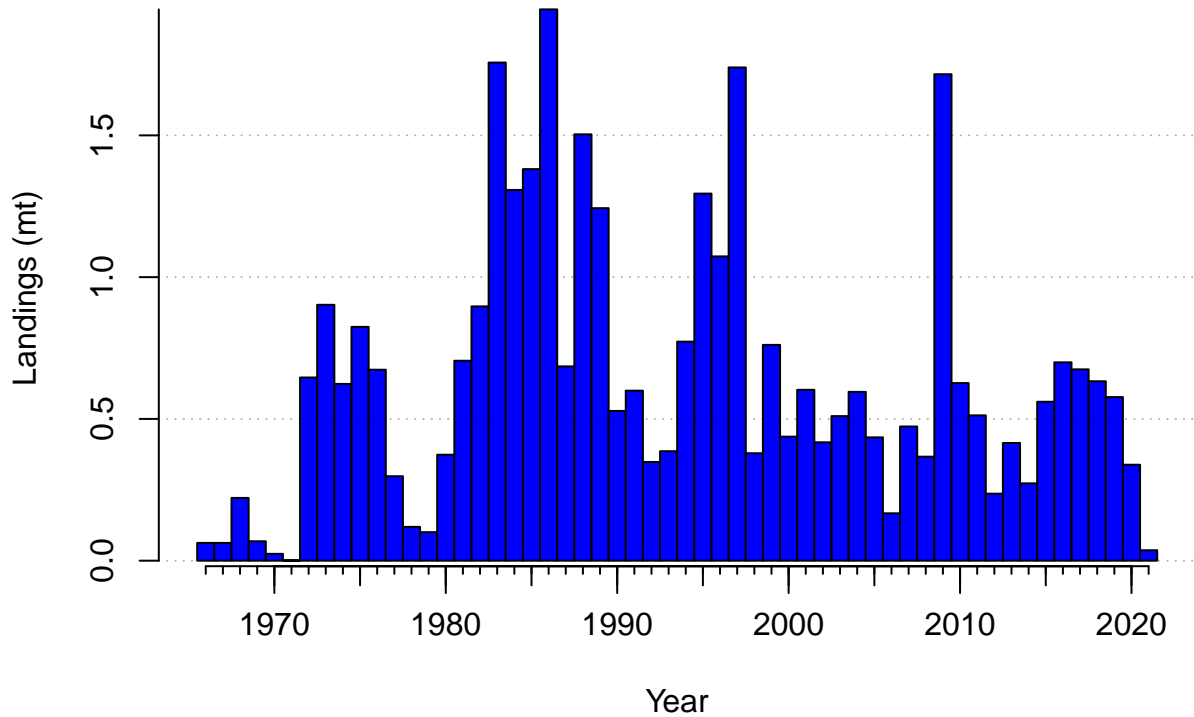


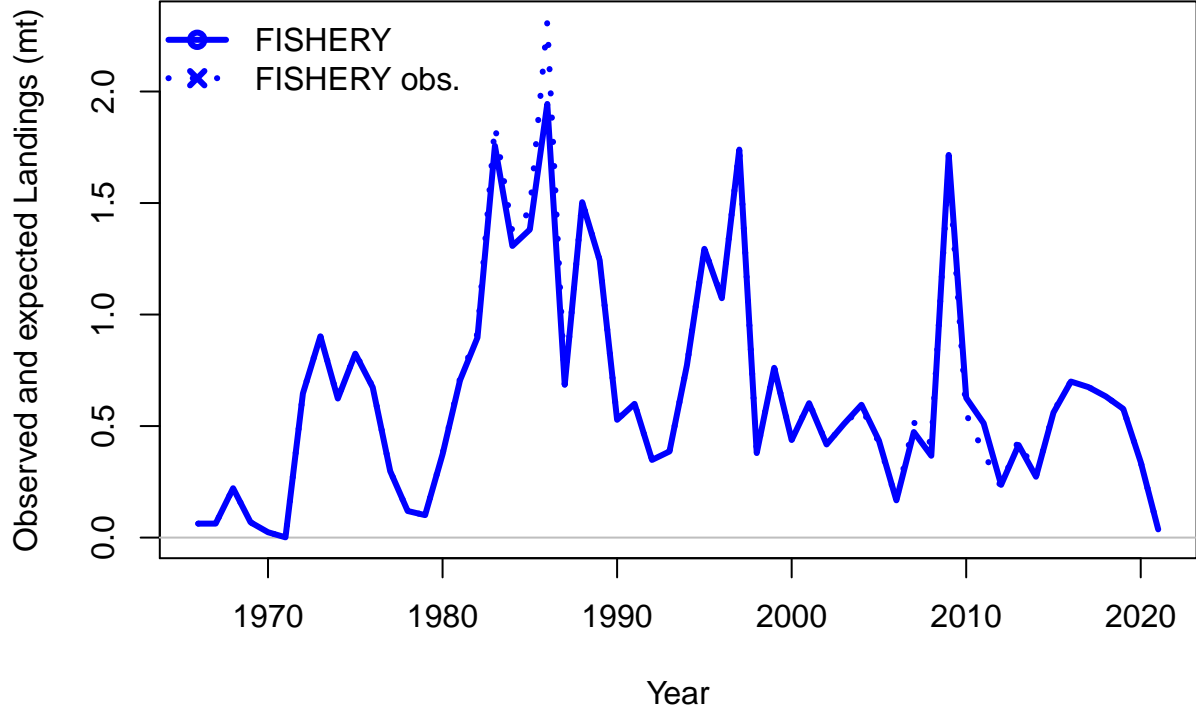


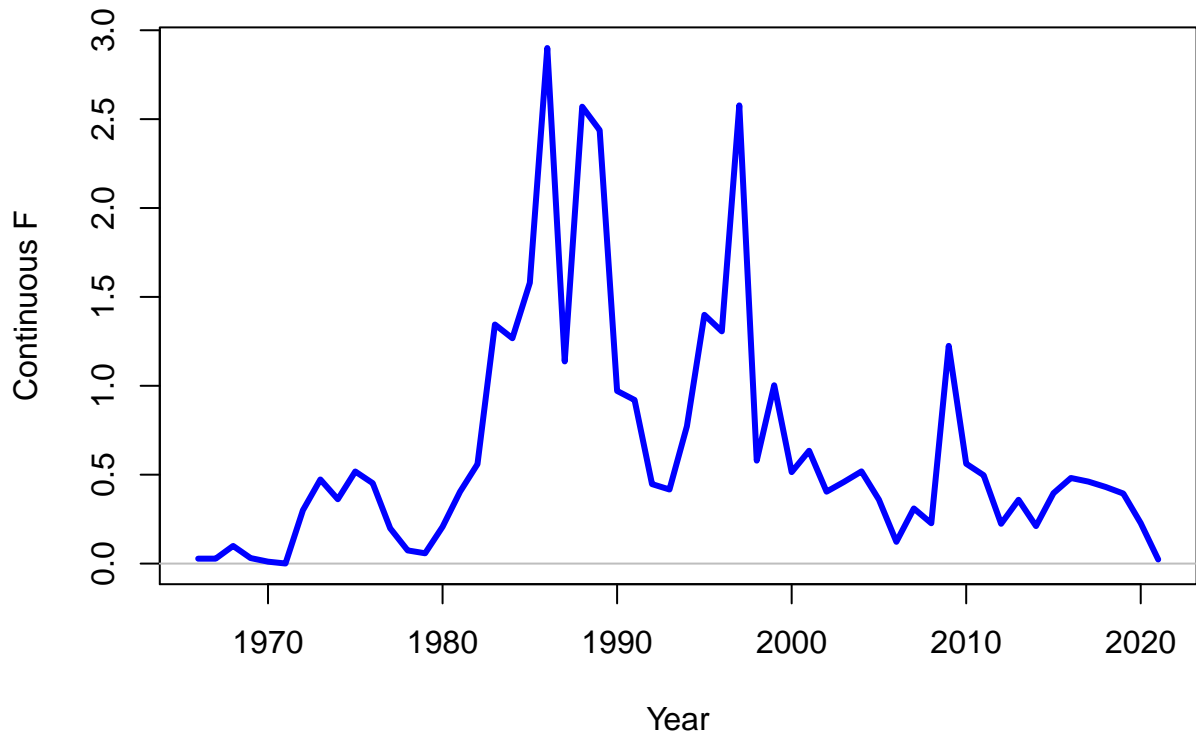
Log recruitment deviation



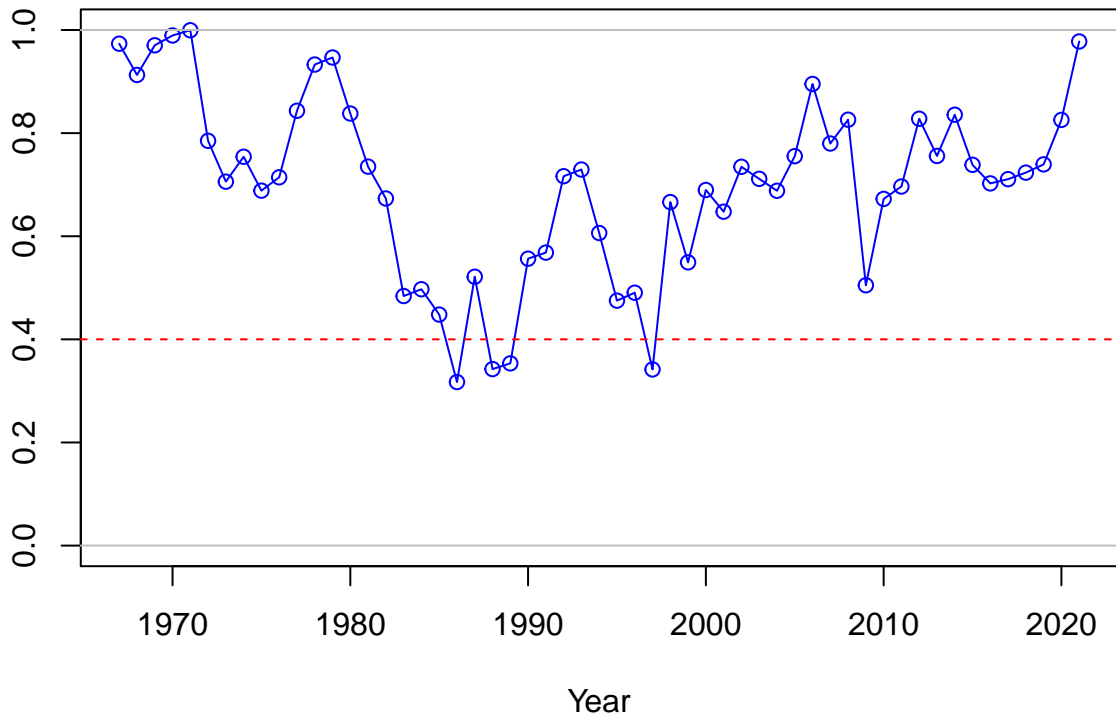




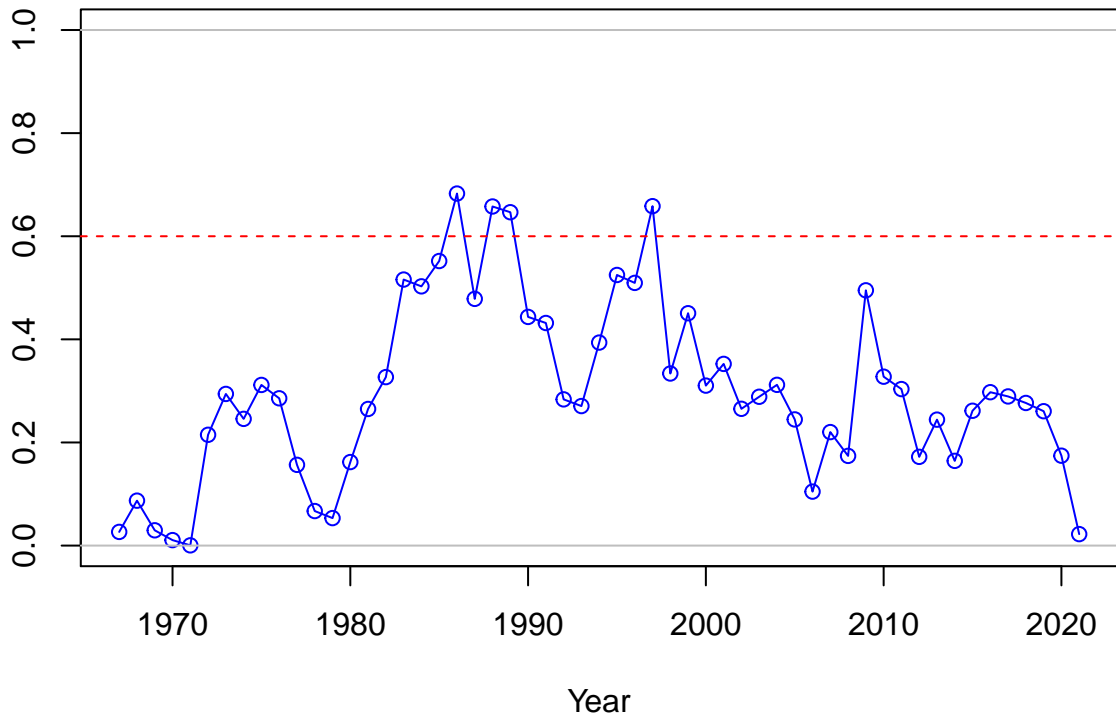




SPR

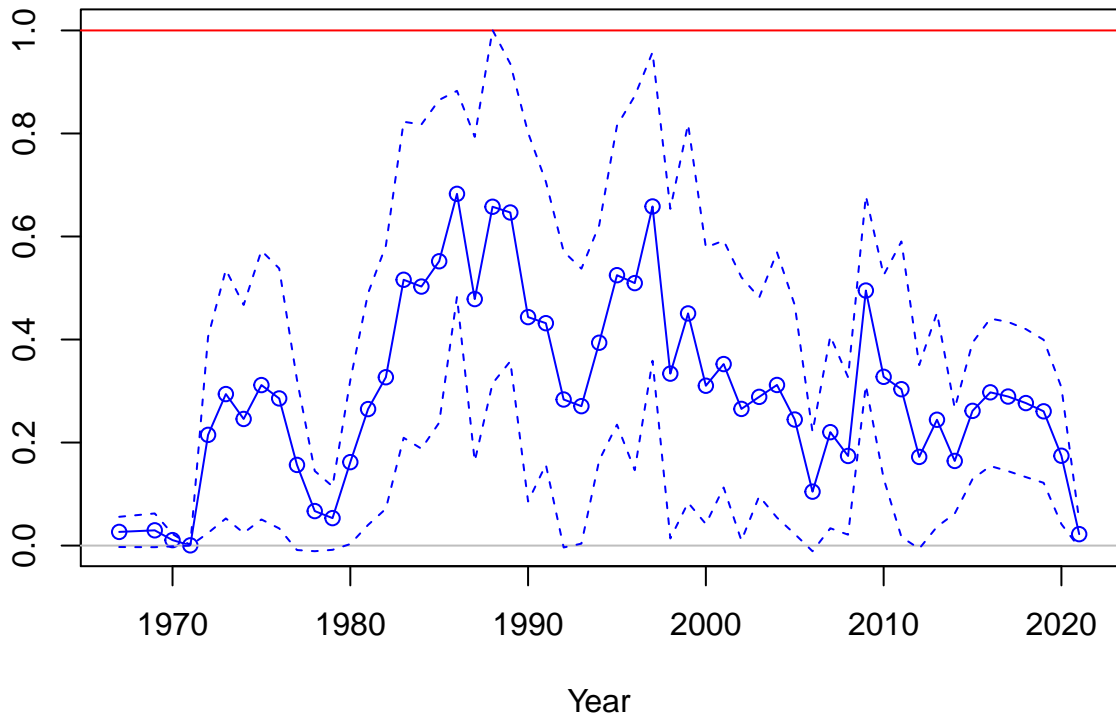


1-SPR

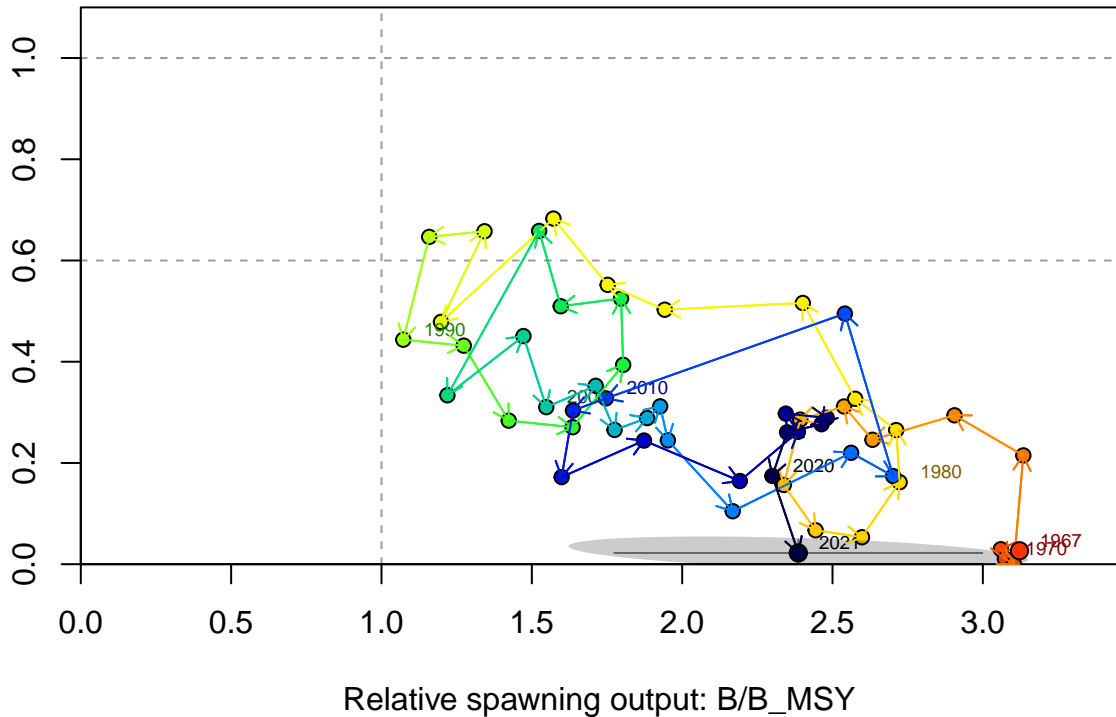


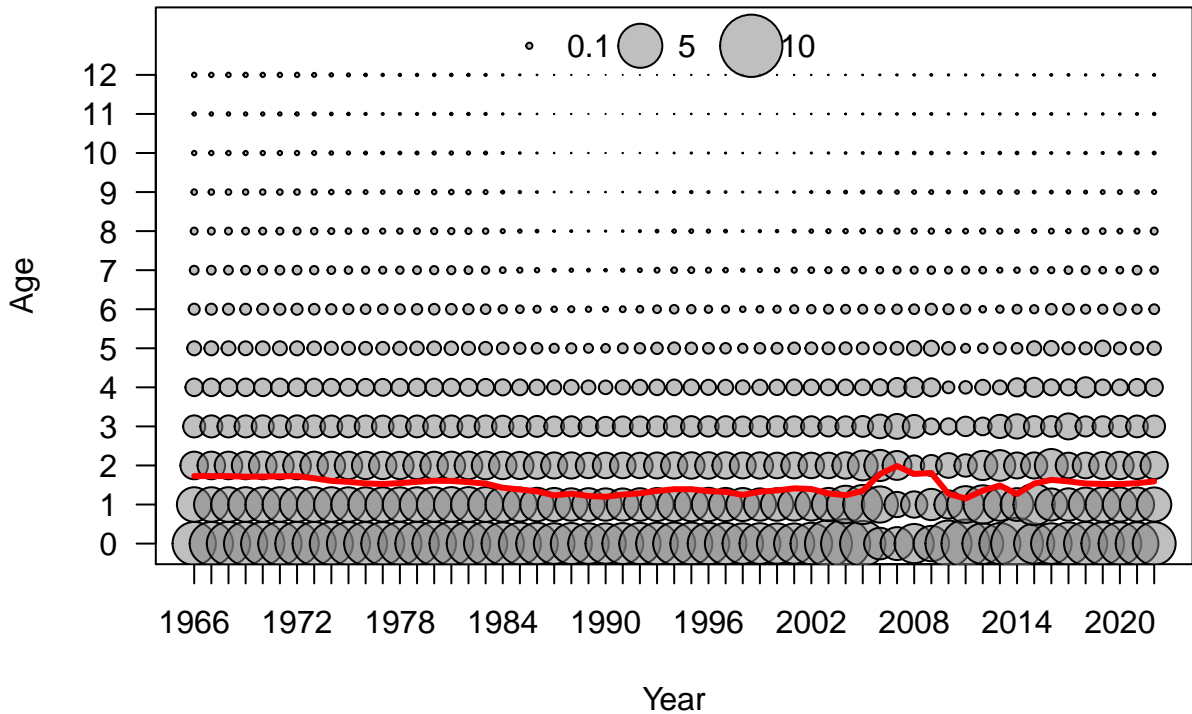


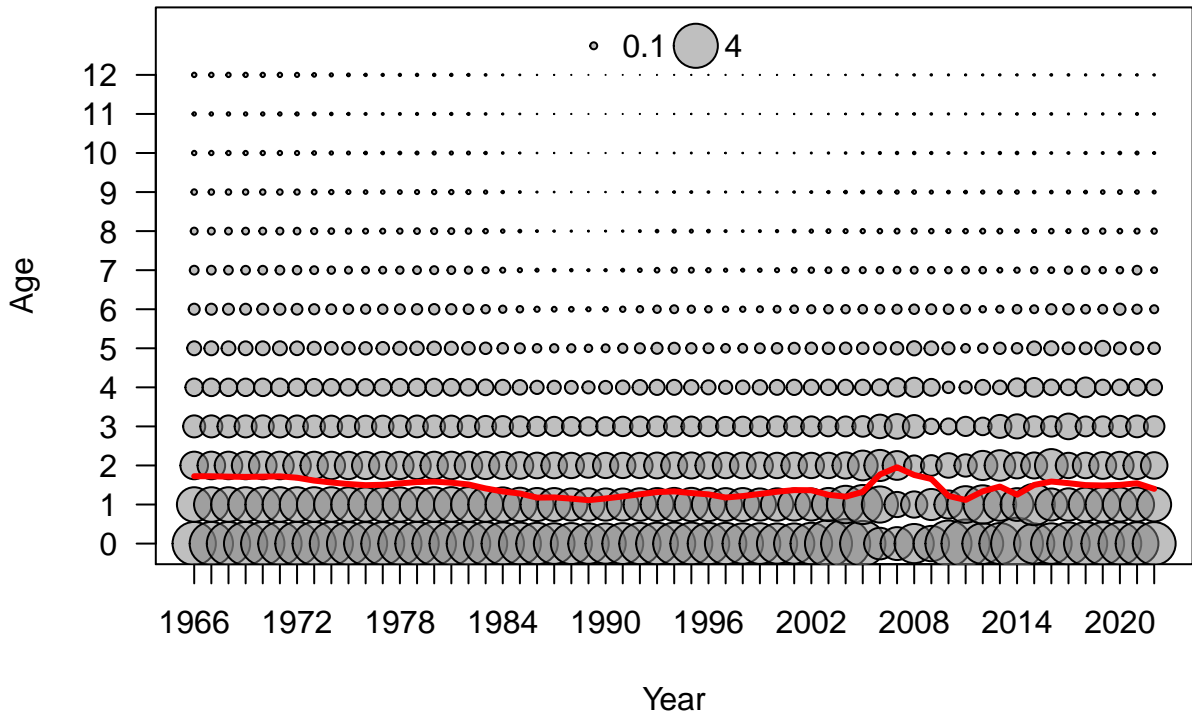
Fishing intensity: 1-SPR

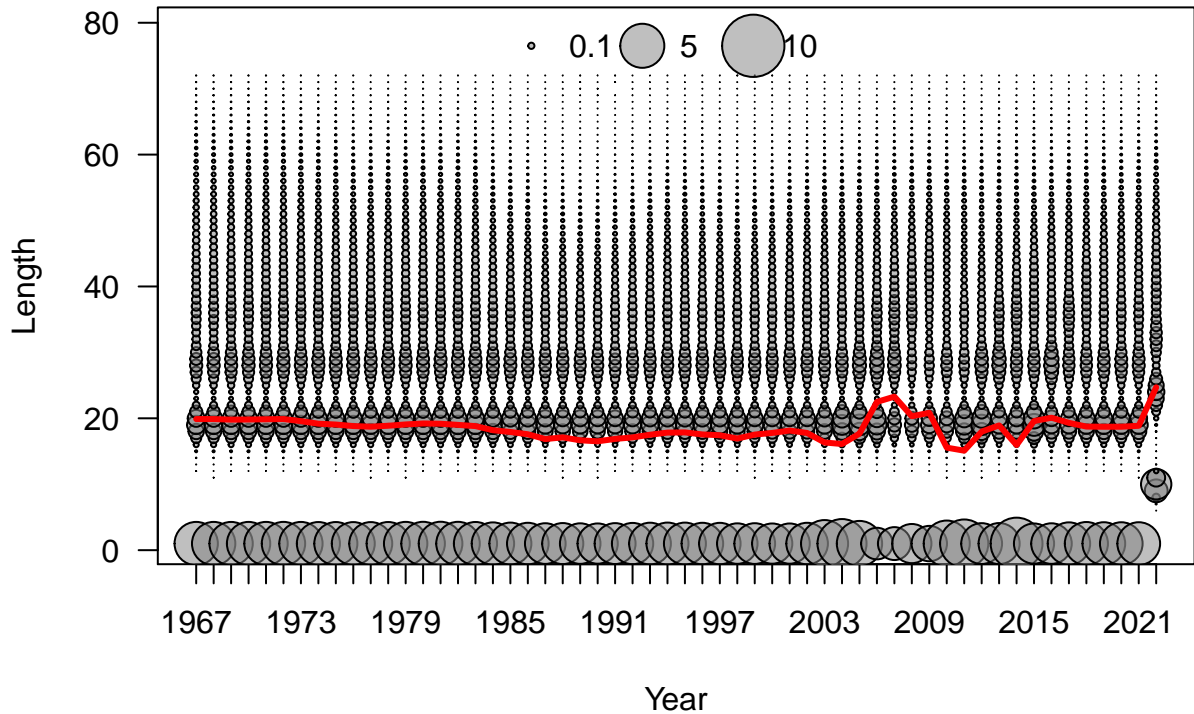


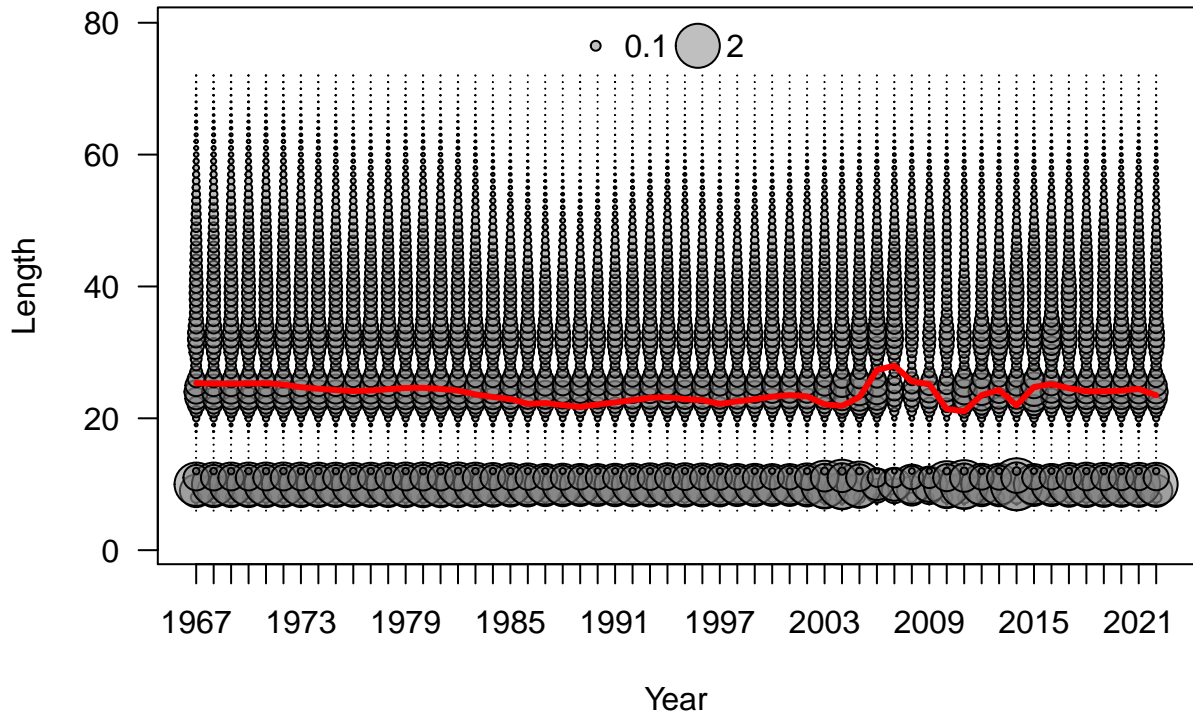
Fishing intensity: 1-SPR

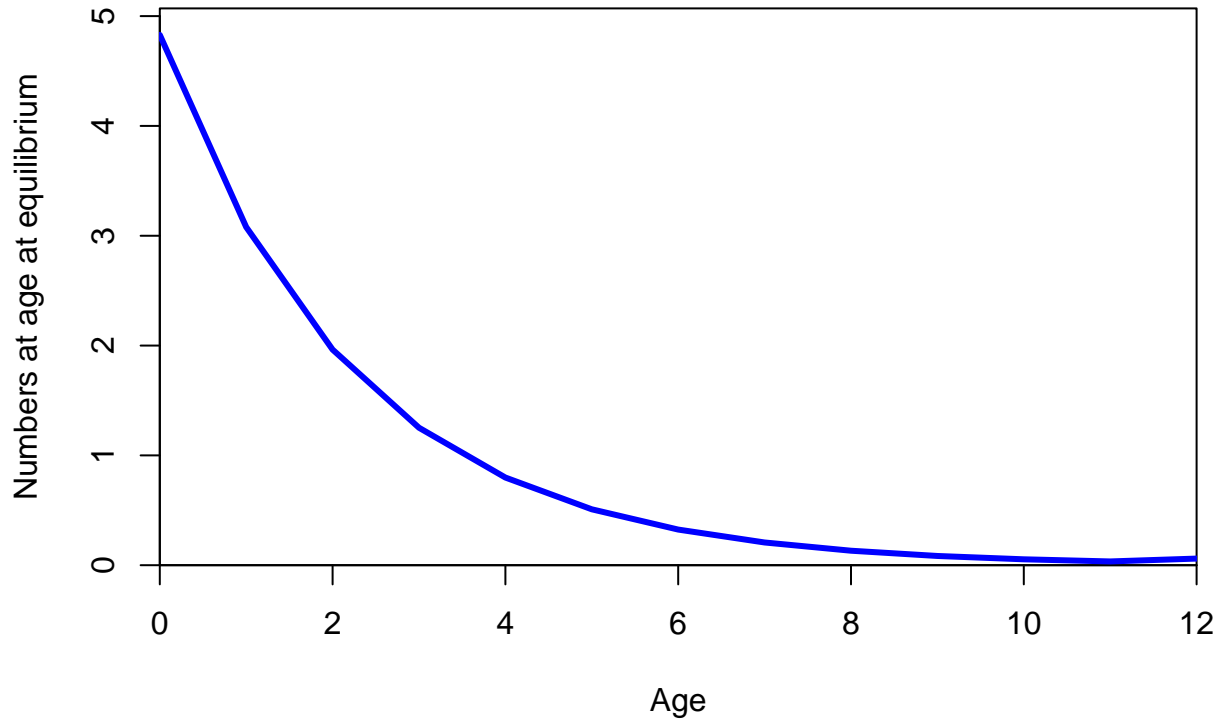


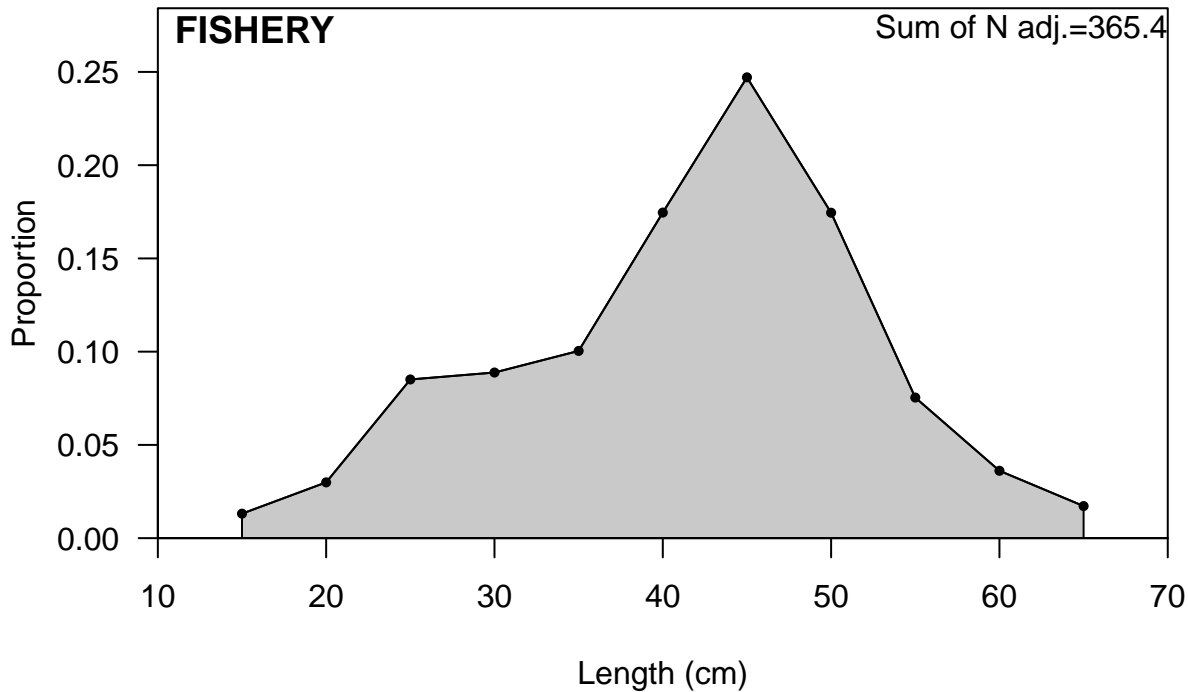








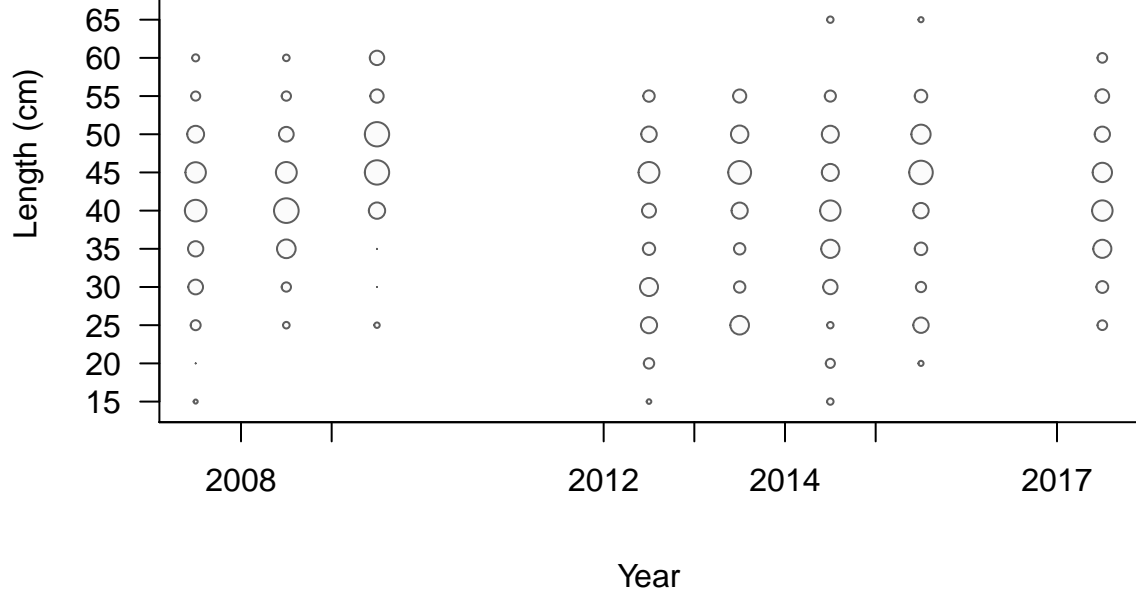




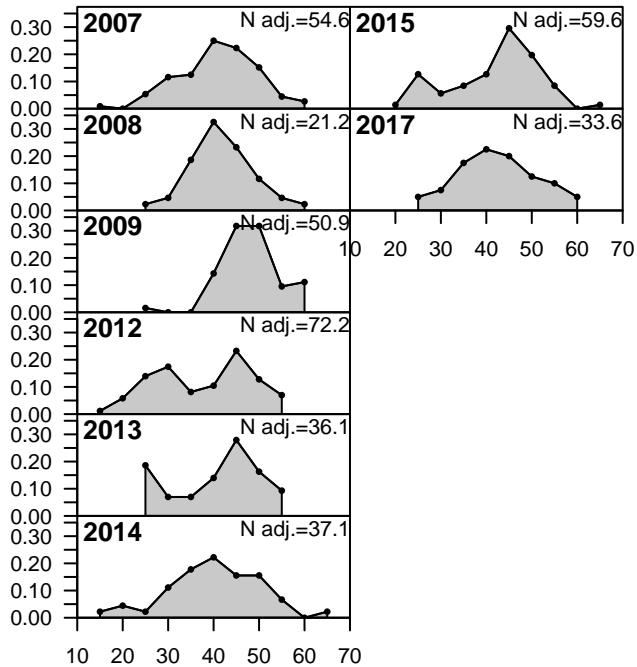


# FISHERY

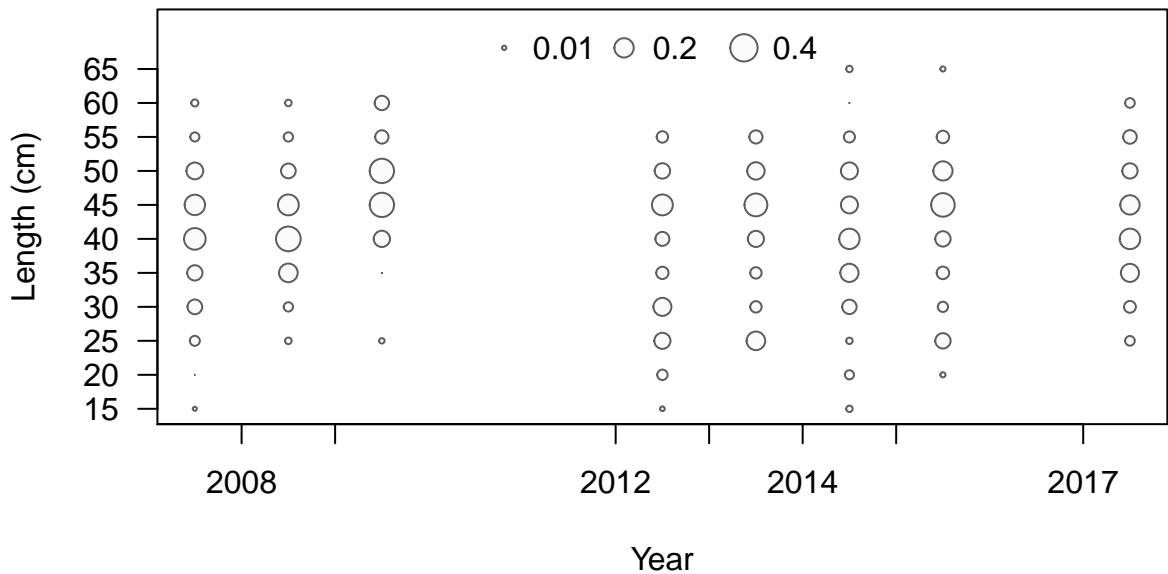
• 0.01 ○ 0.2 ○ 0.4



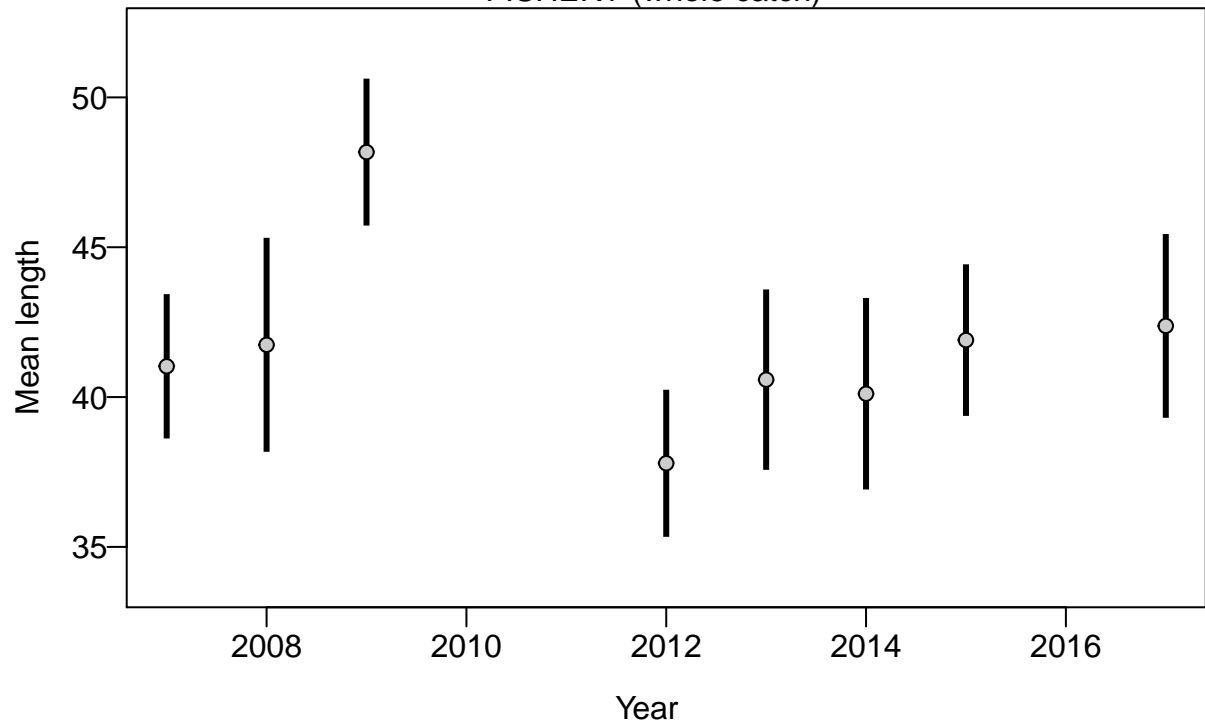
Proportion



Length (cm)

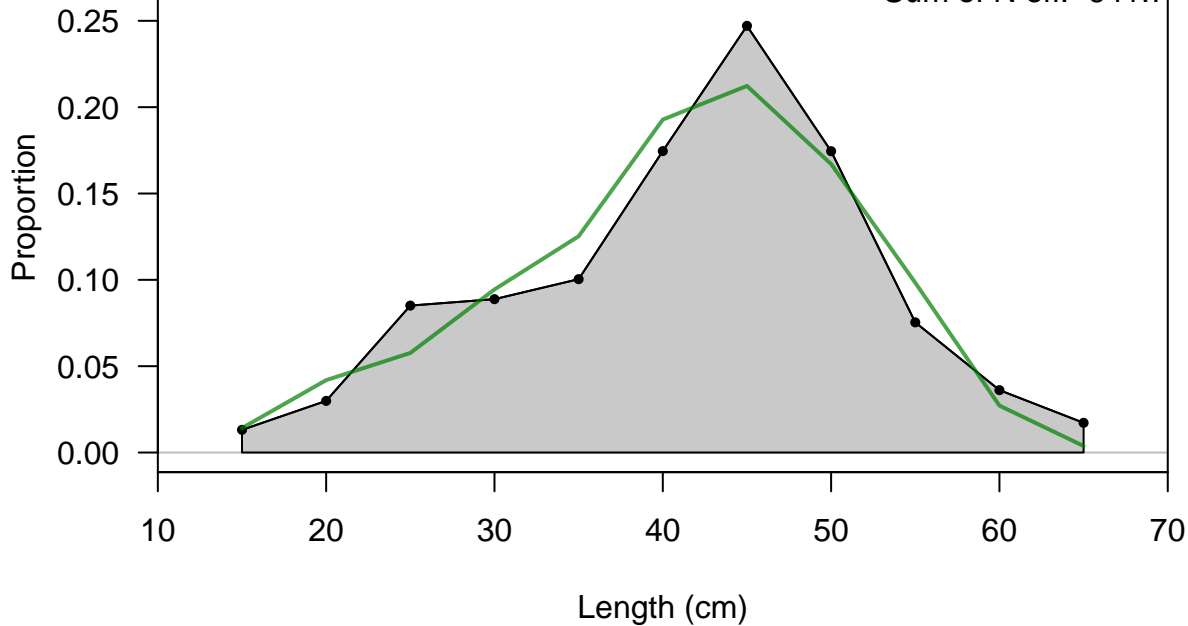


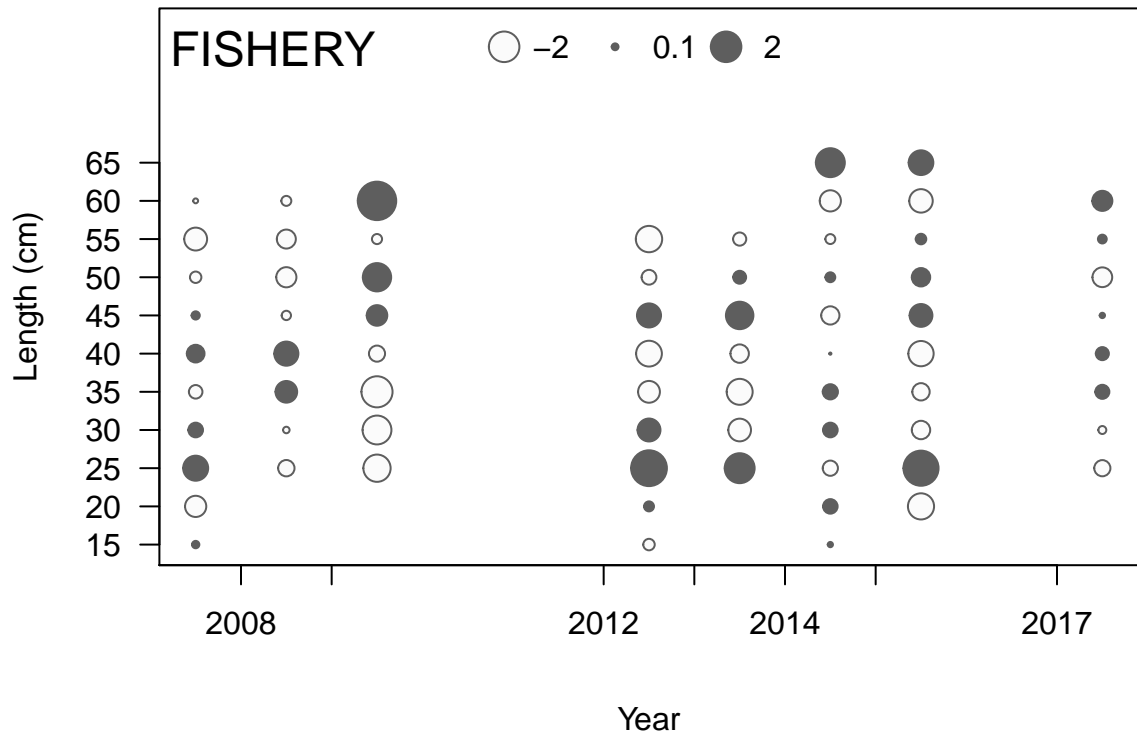
## FISHERY (whole catch)



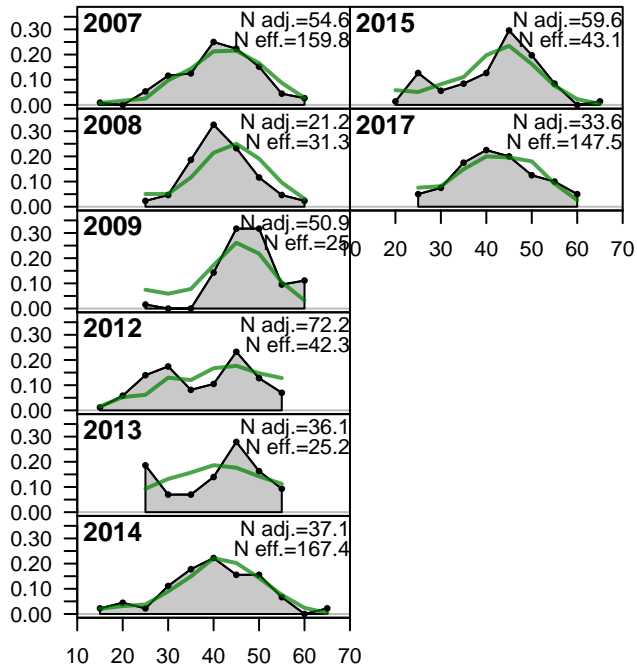
# FISHERY

Sum of N adj.=365.4  
Sum of N eff.=641.7

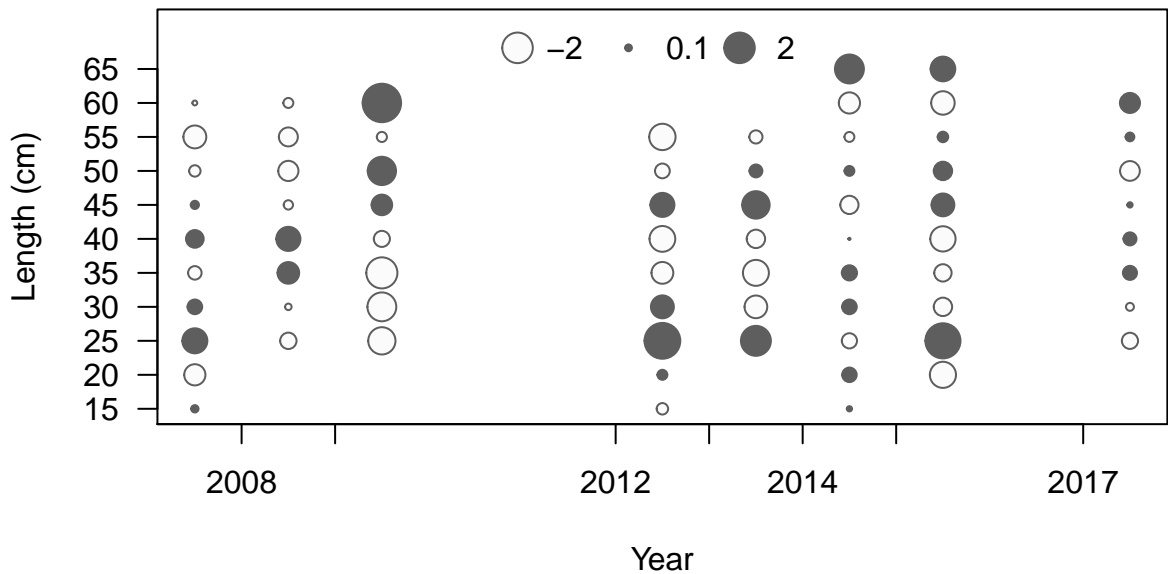




Proportion

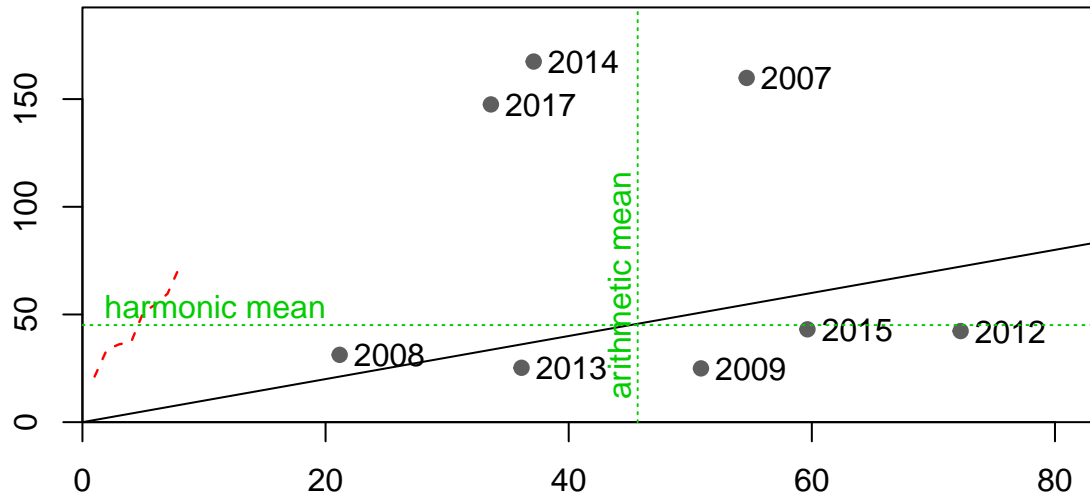


Length (cm)



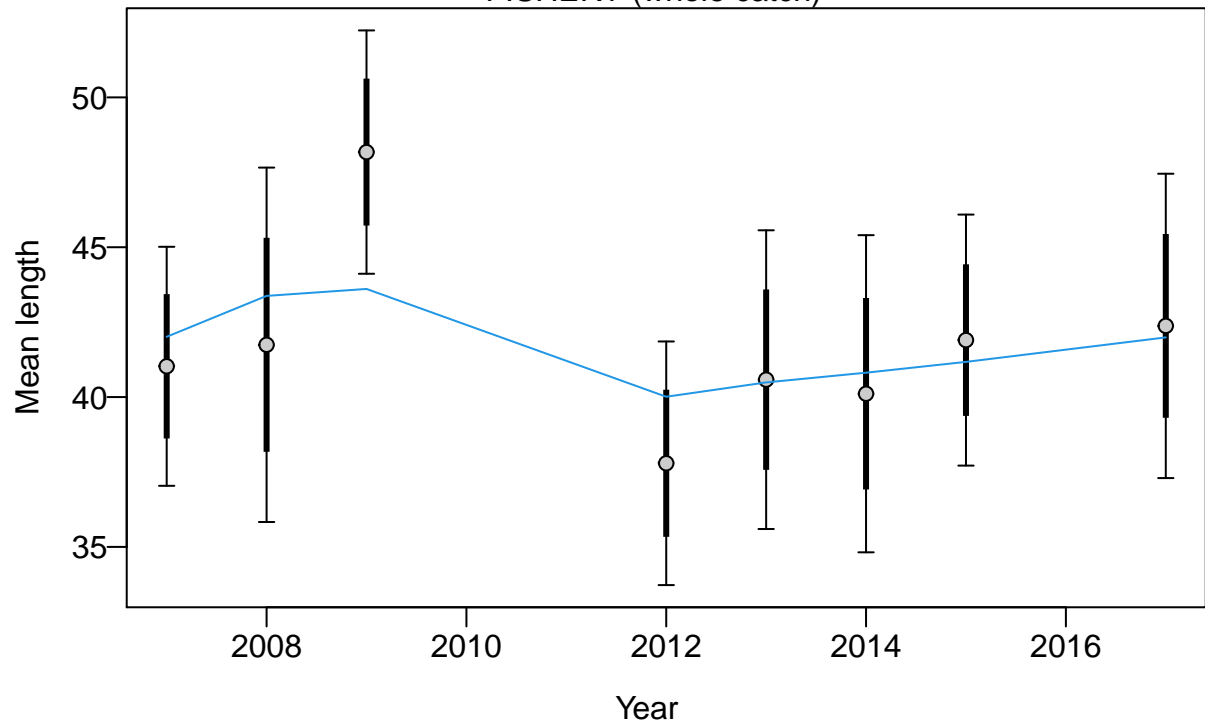


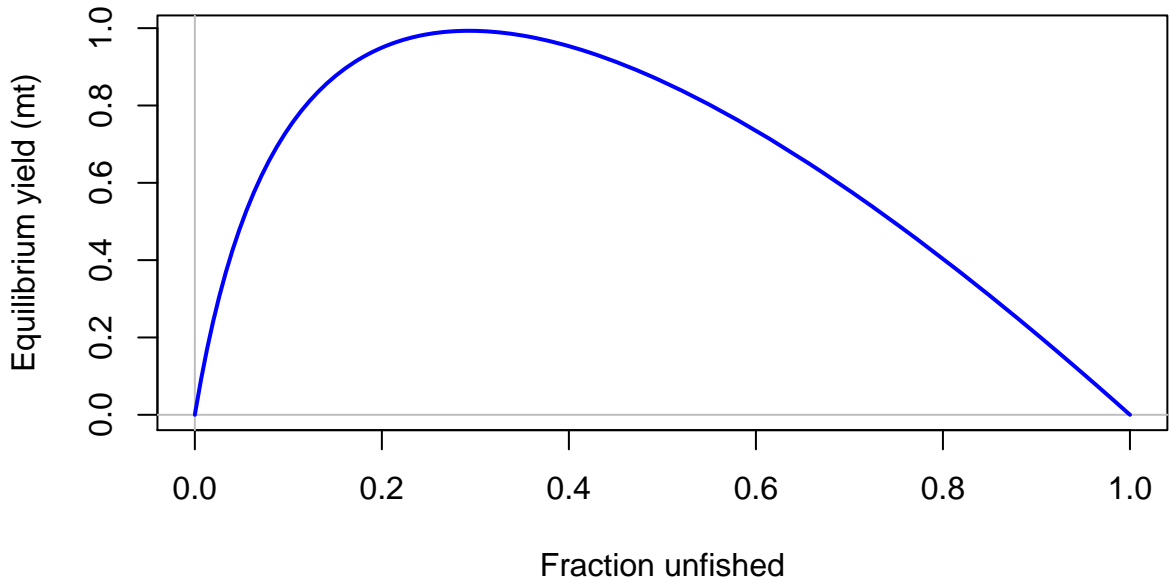
Effective sample size

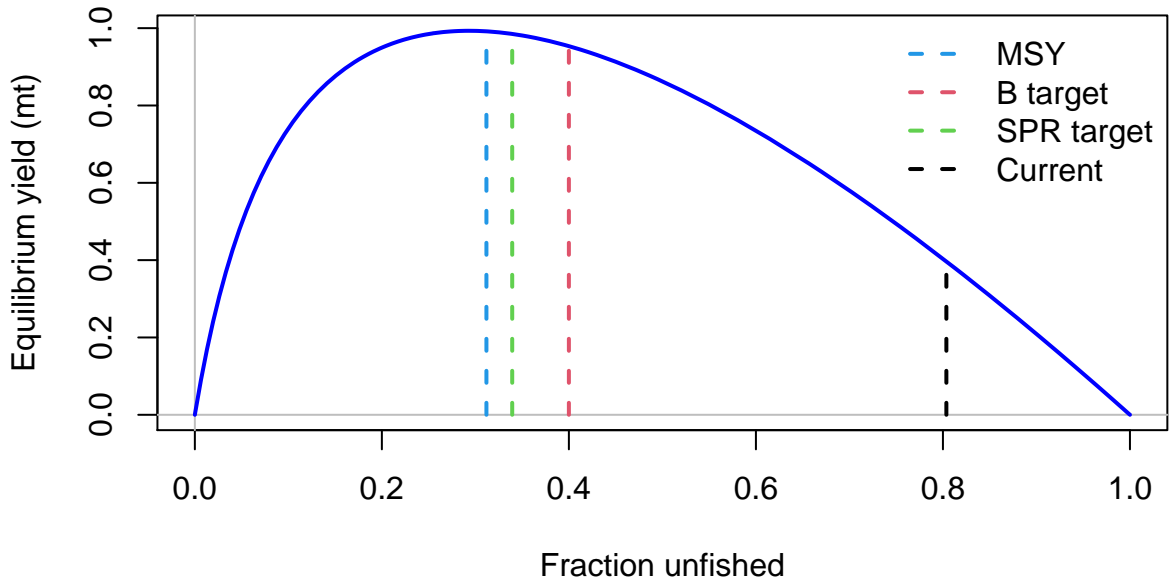


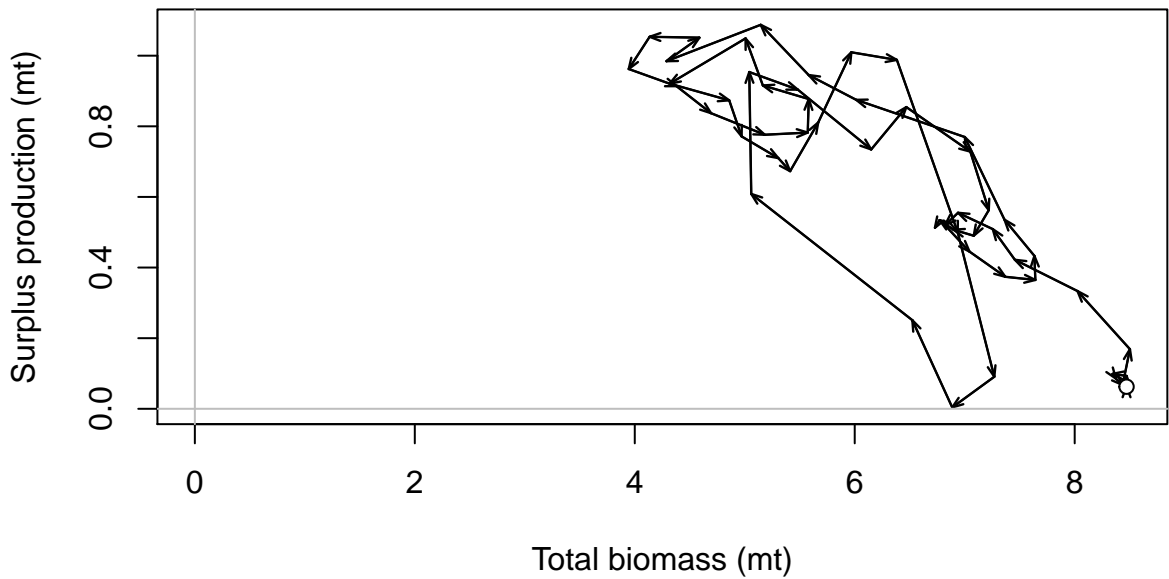
Observed sample size

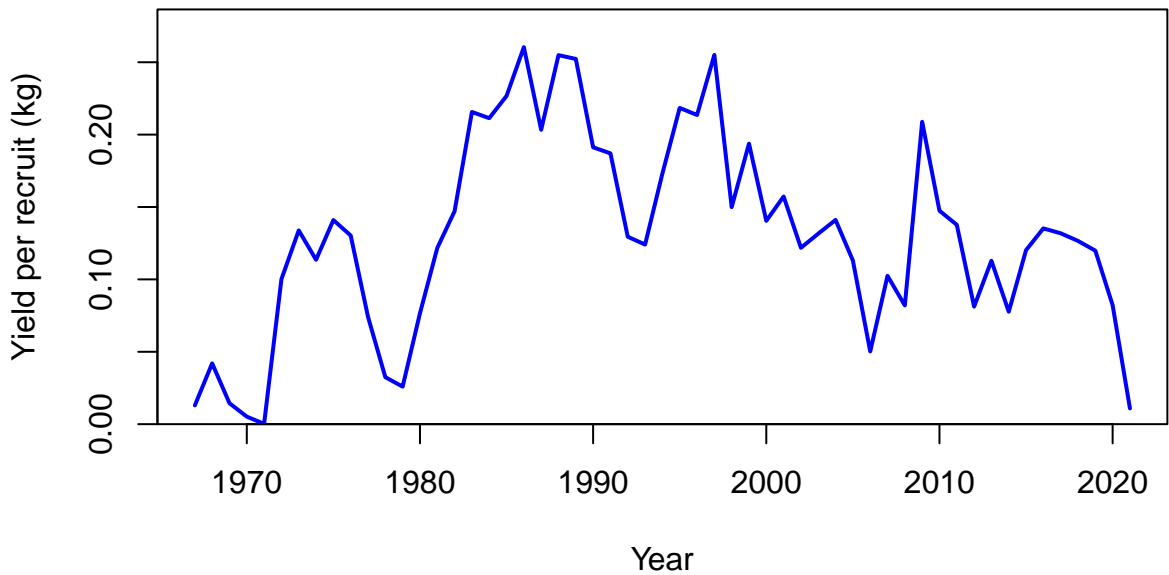
FISHERY (whole catch)

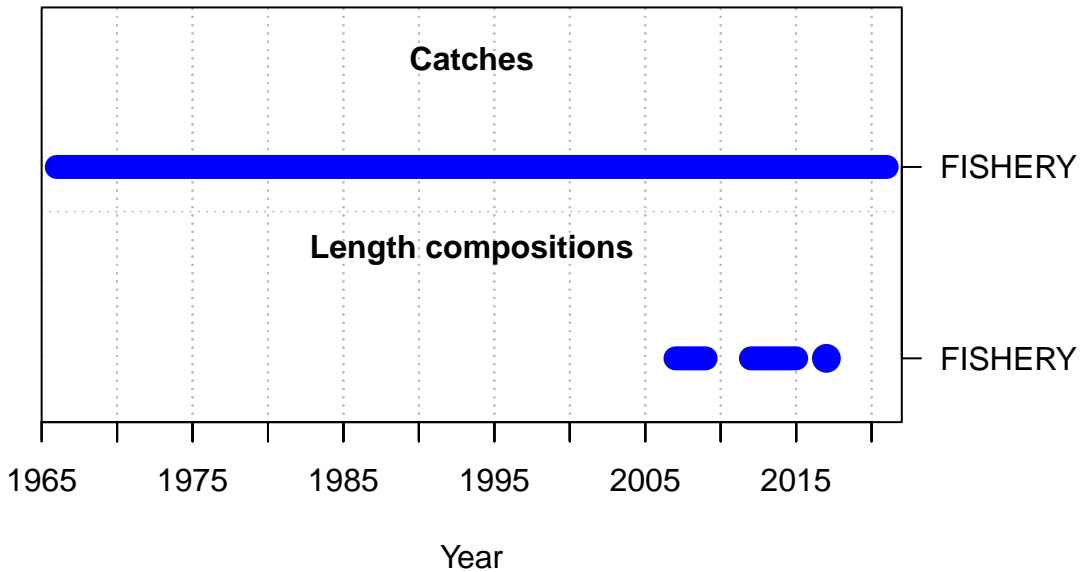


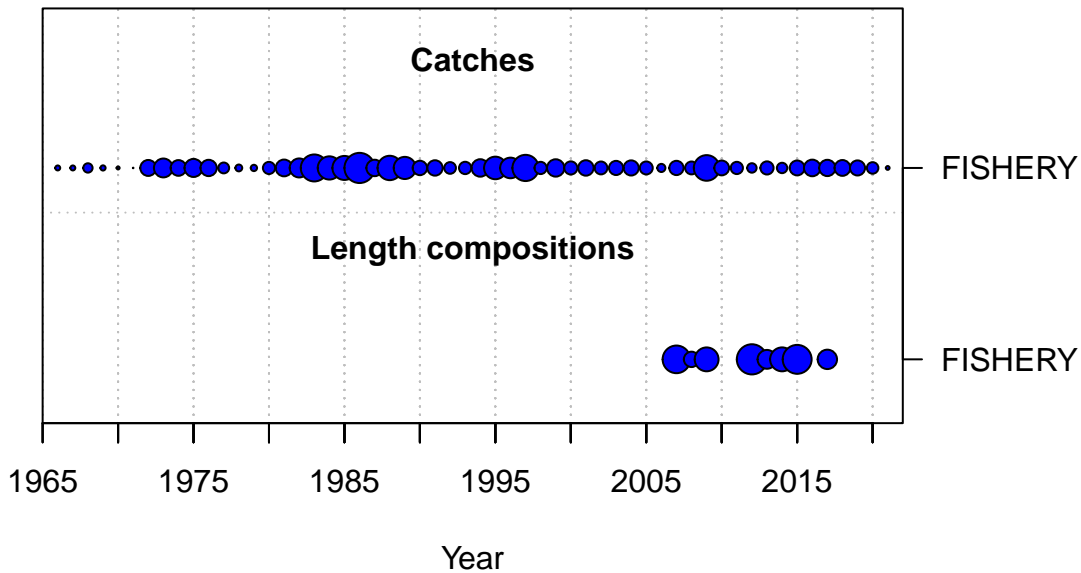






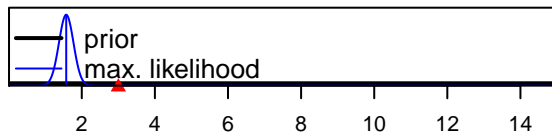




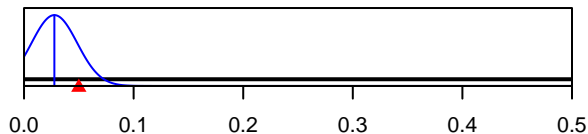




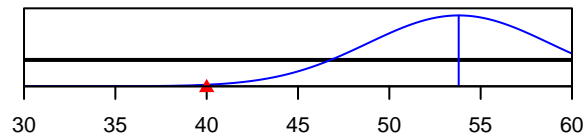
SR\_LN(R0)



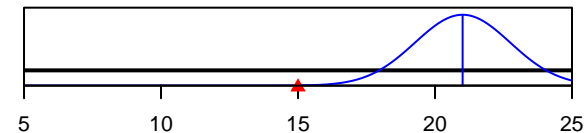
InitF\_seas\_1\_flt\_1FISHERY



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value