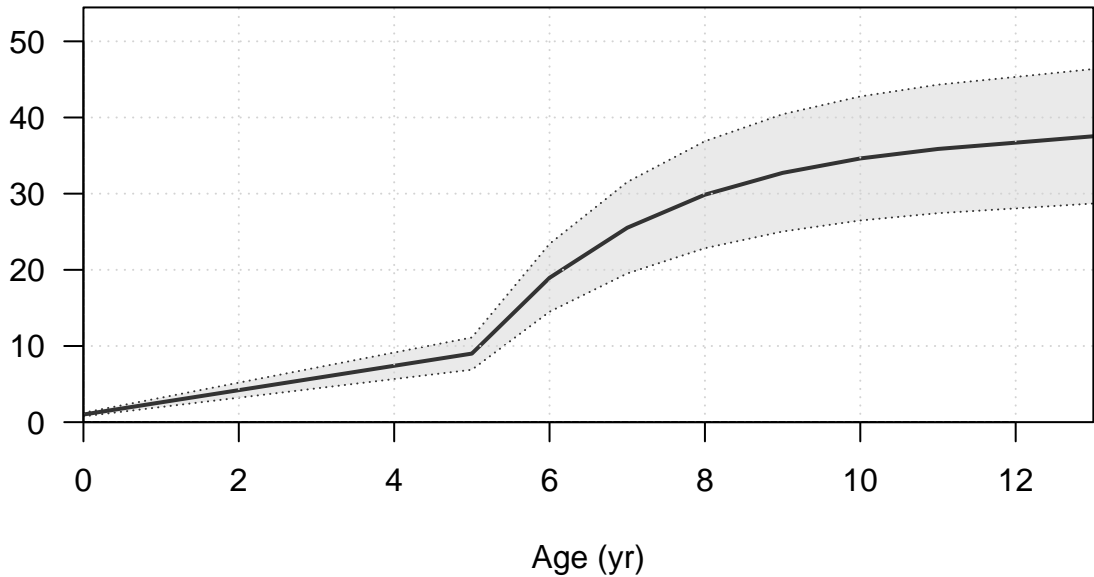
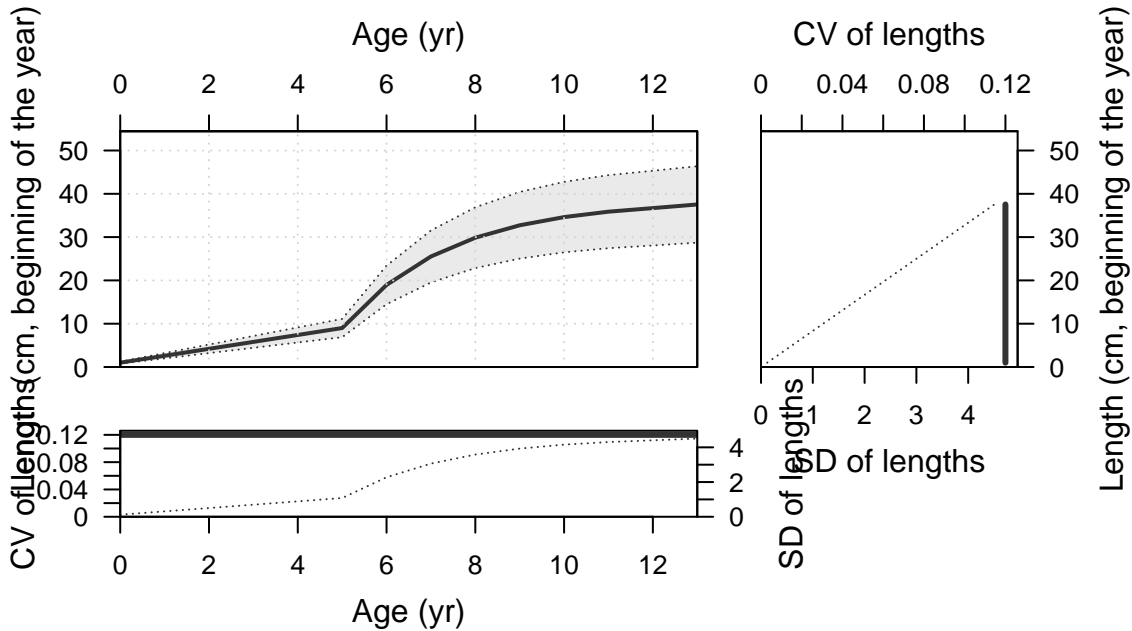
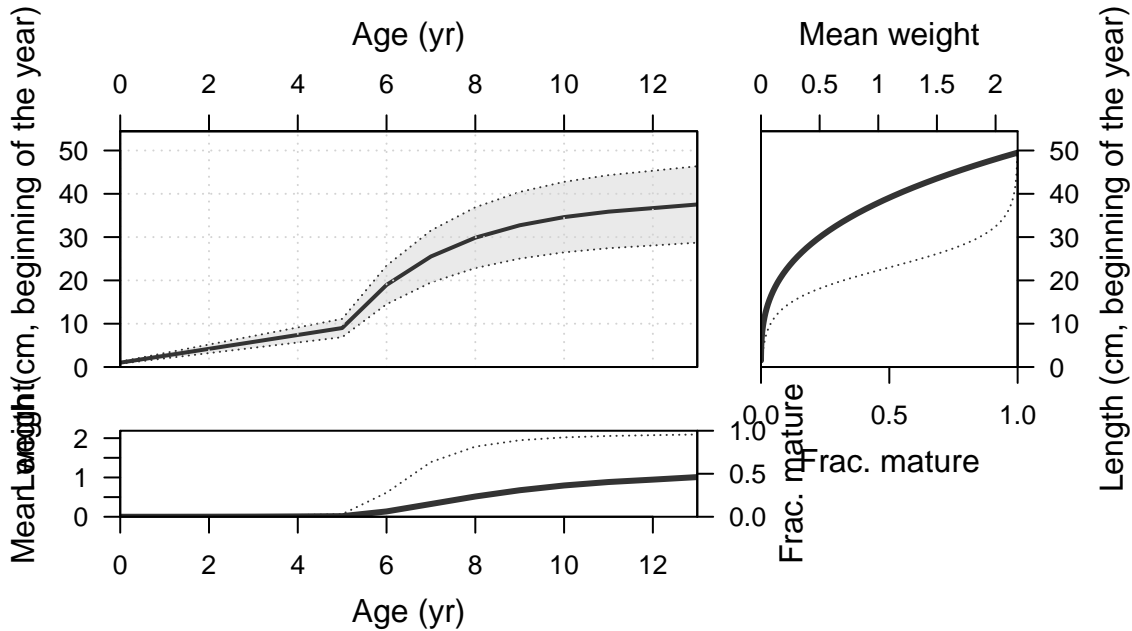


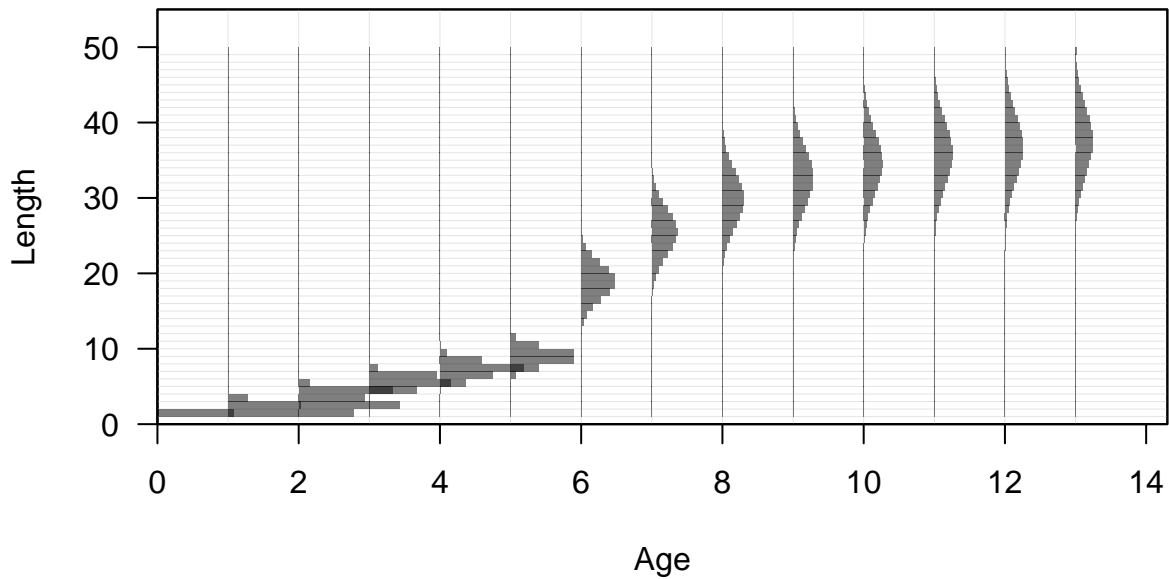
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Mon Jun 20 12:57:41 2022  
Data\_File: data.ss  
Control\_File: control.ss

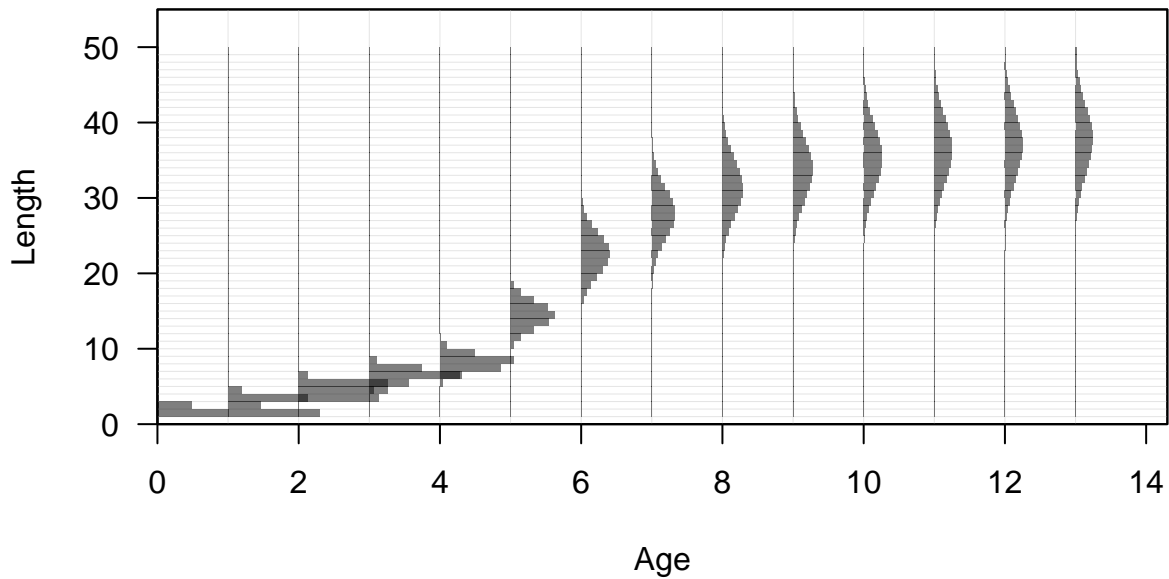
Length (cm, beginning of the year)

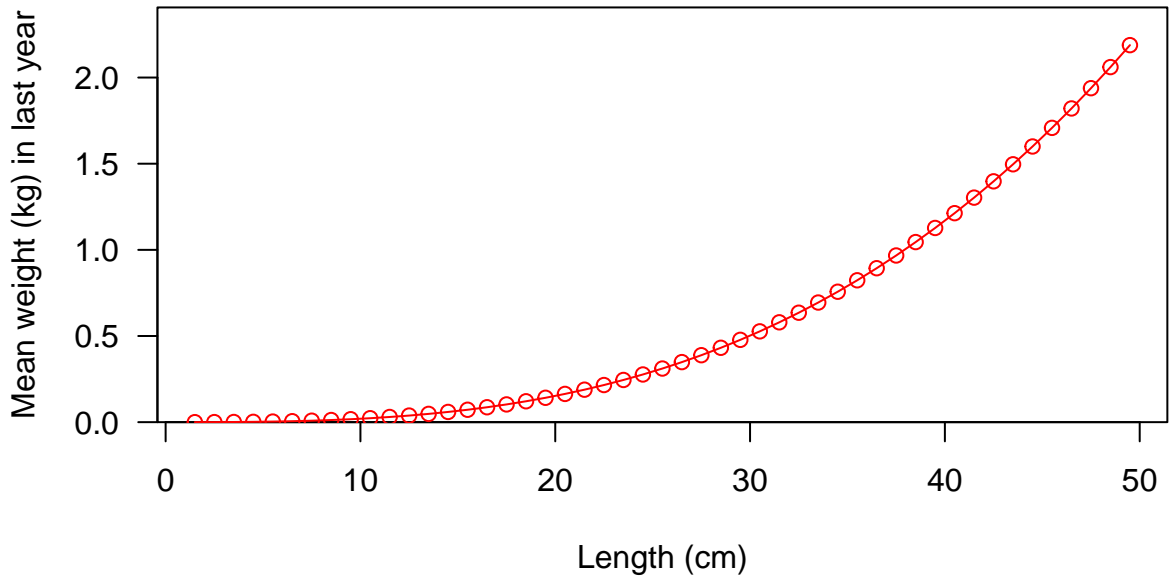


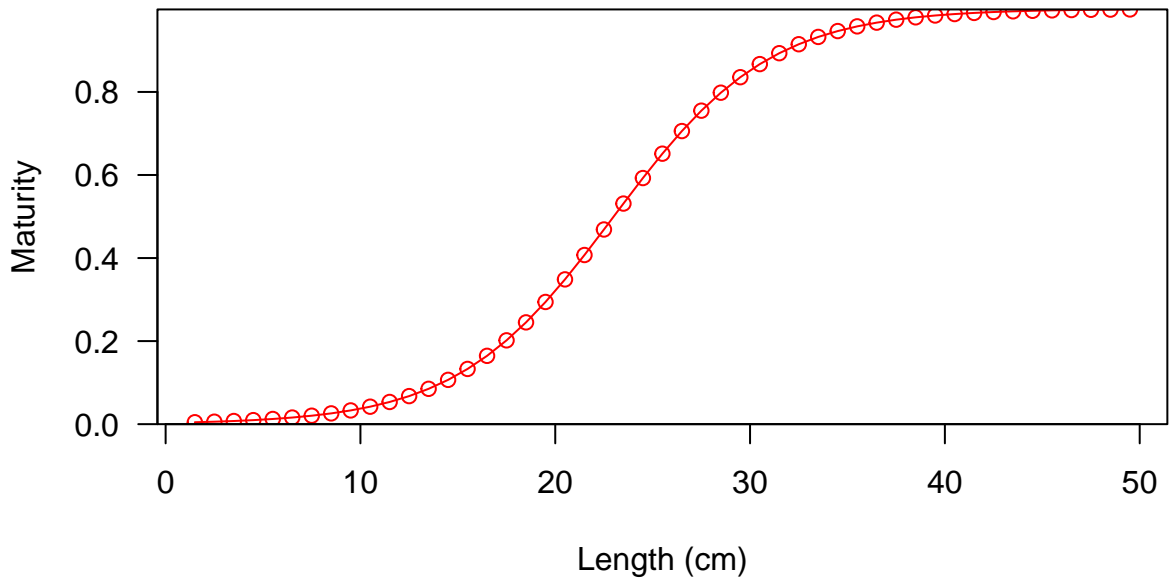




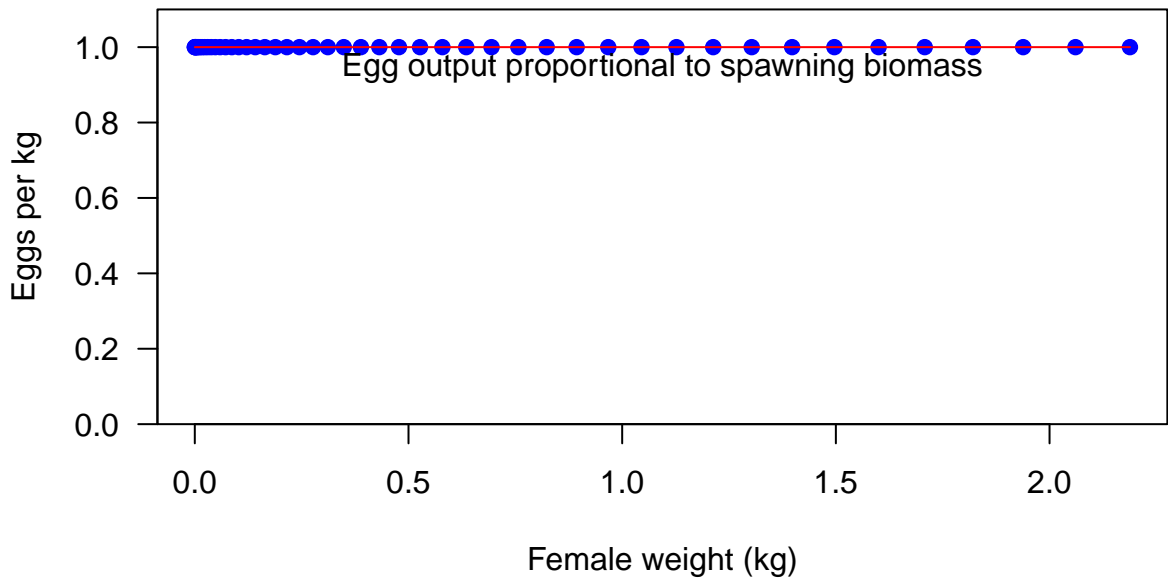


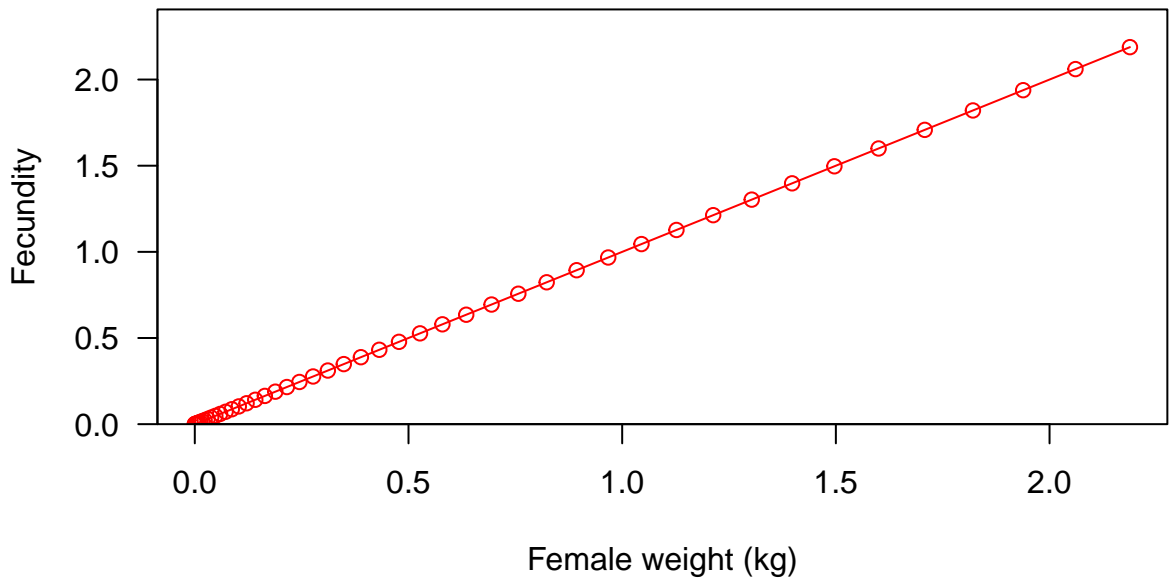


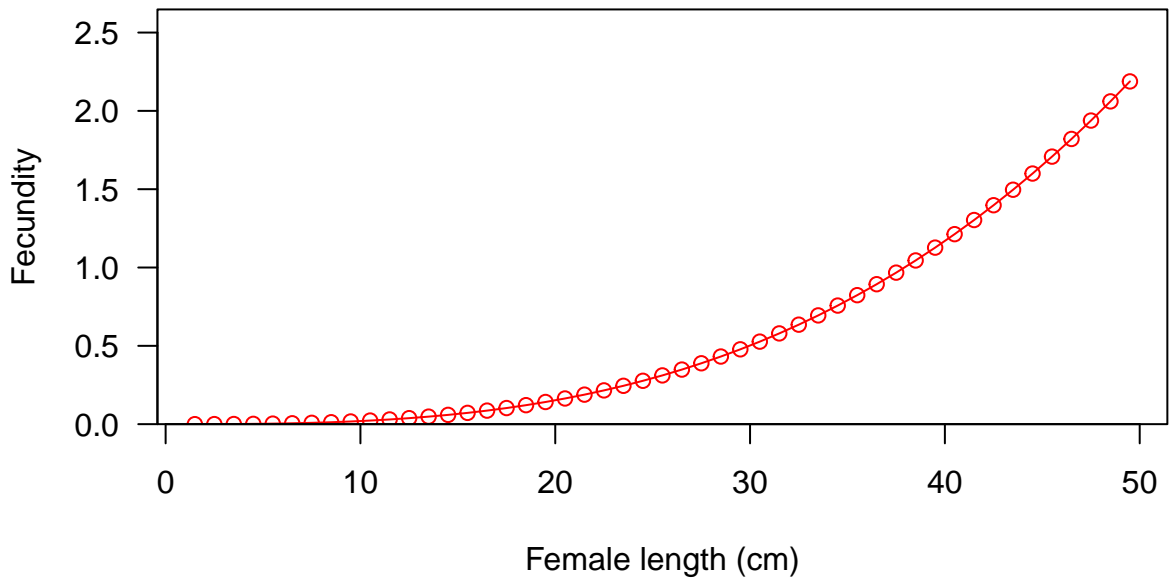


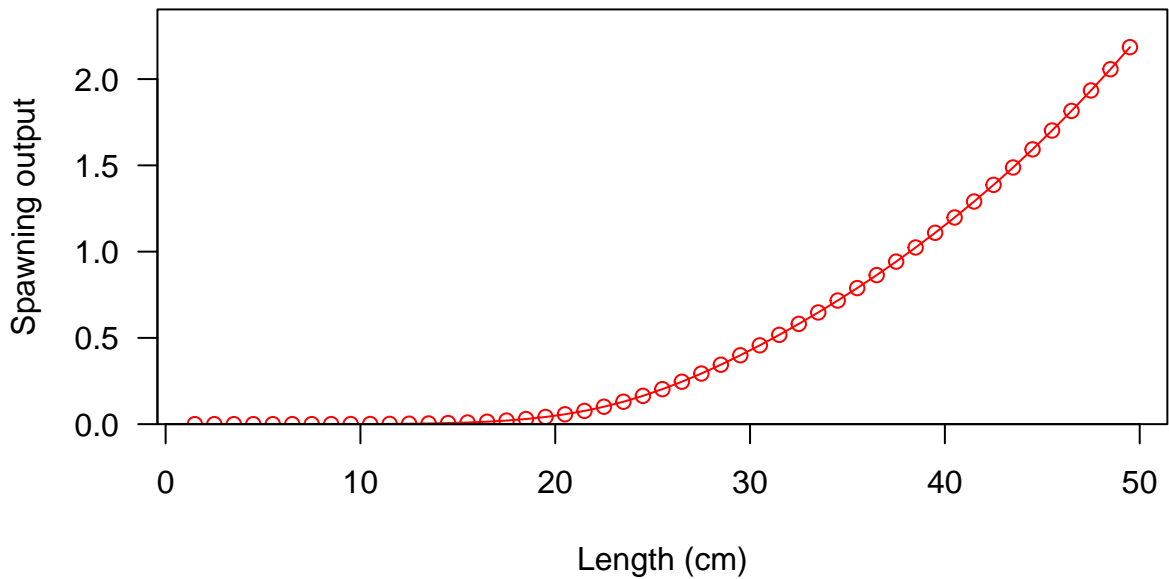


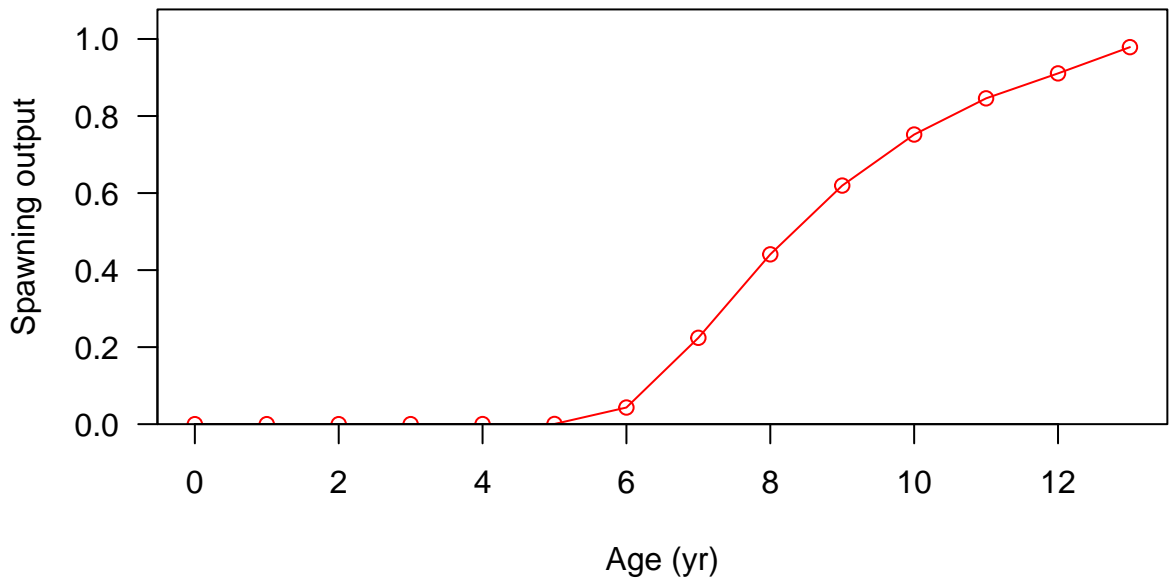




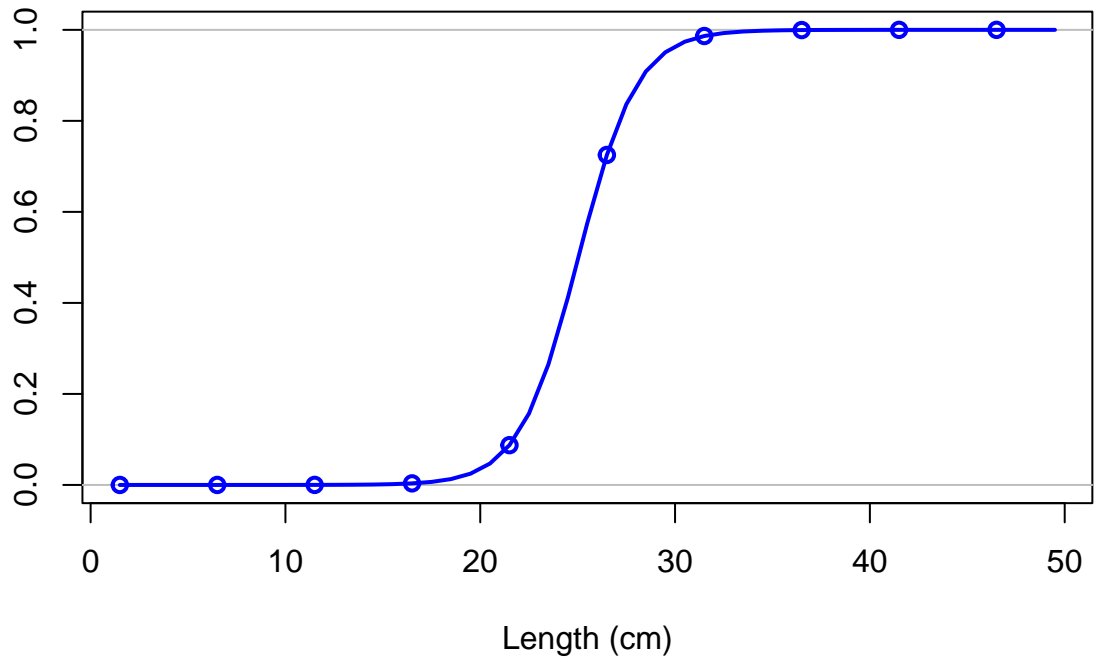




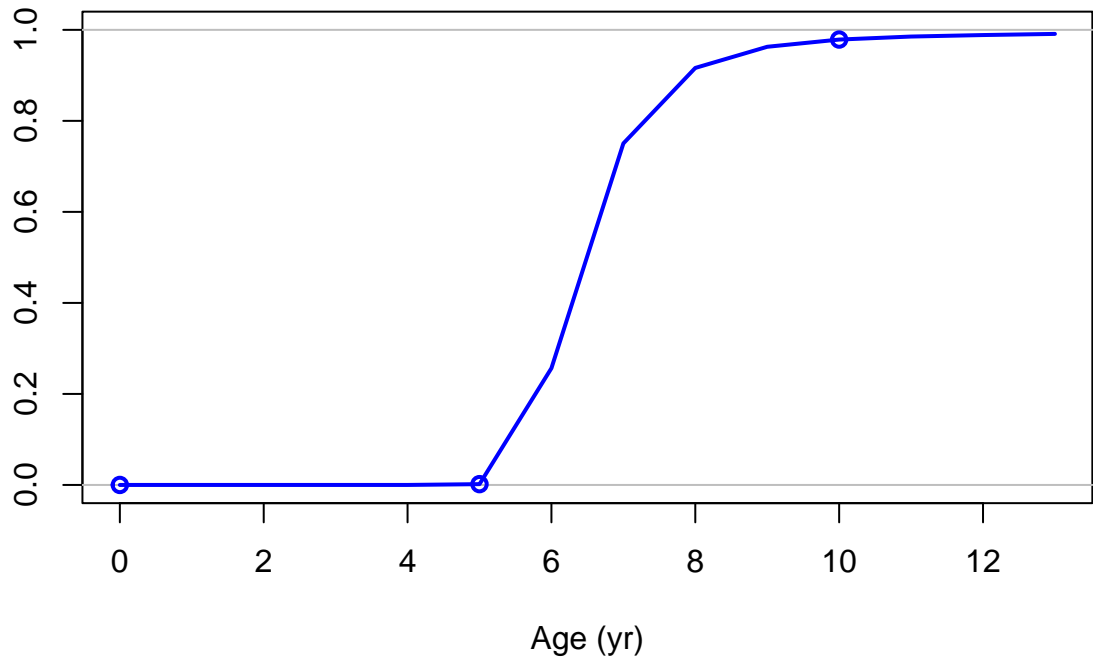




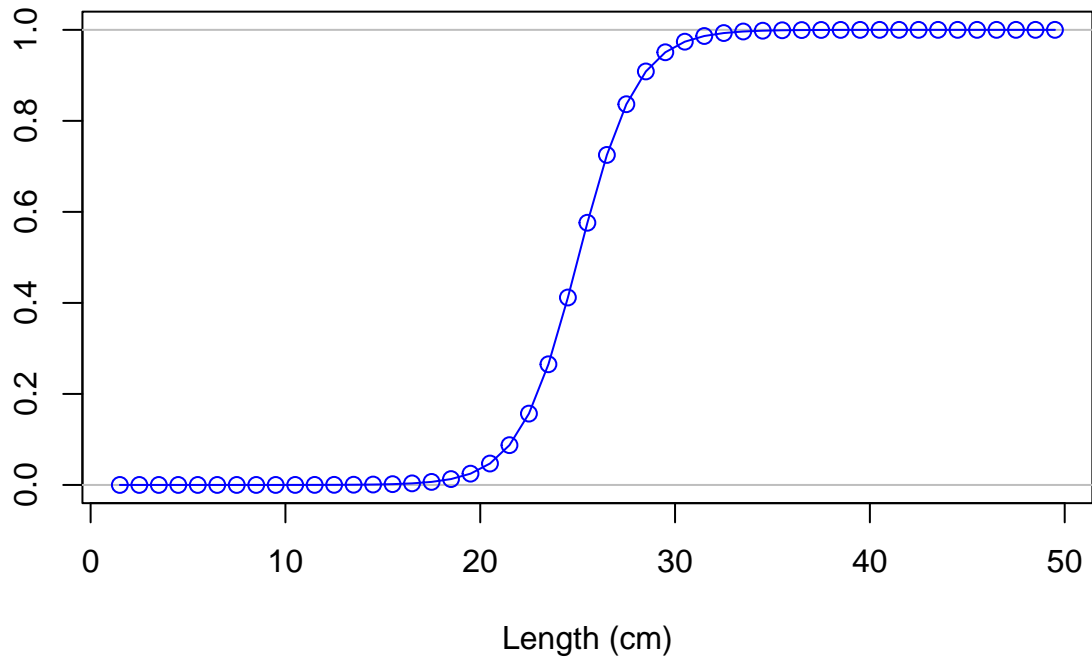
Selectivity



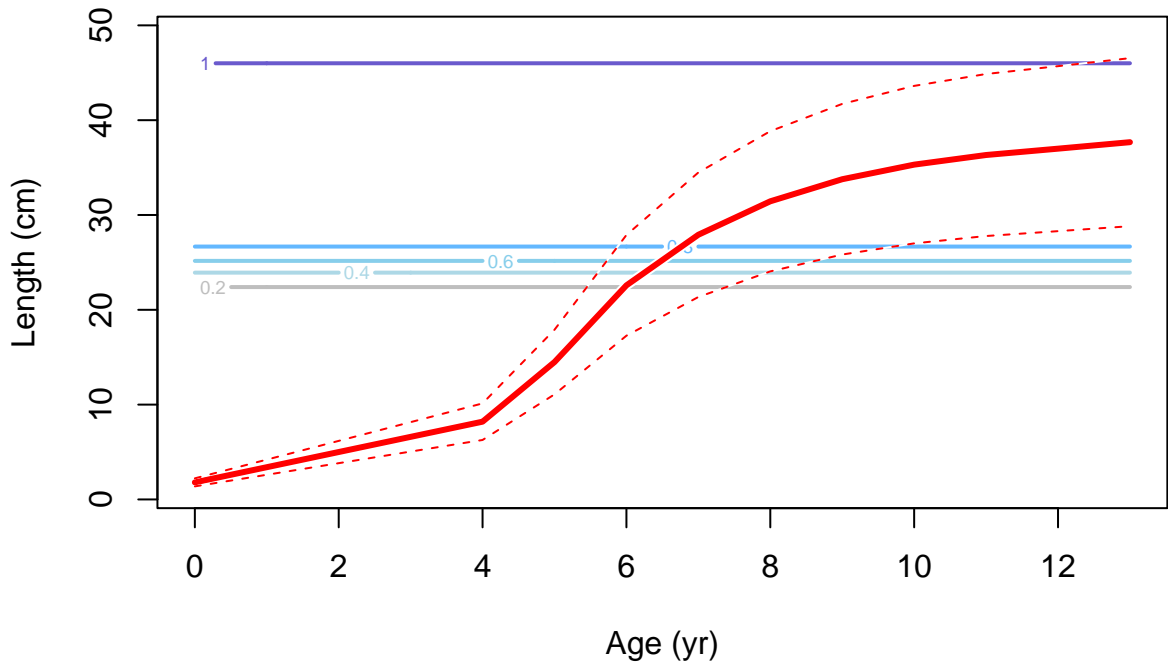
Selectivity



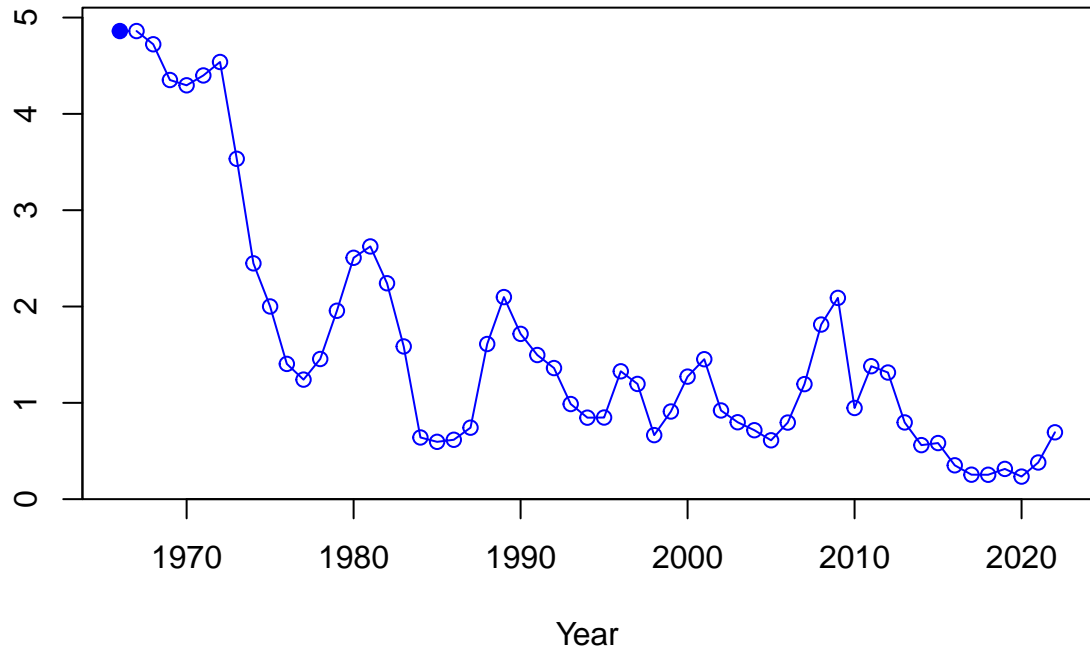
Selectivity

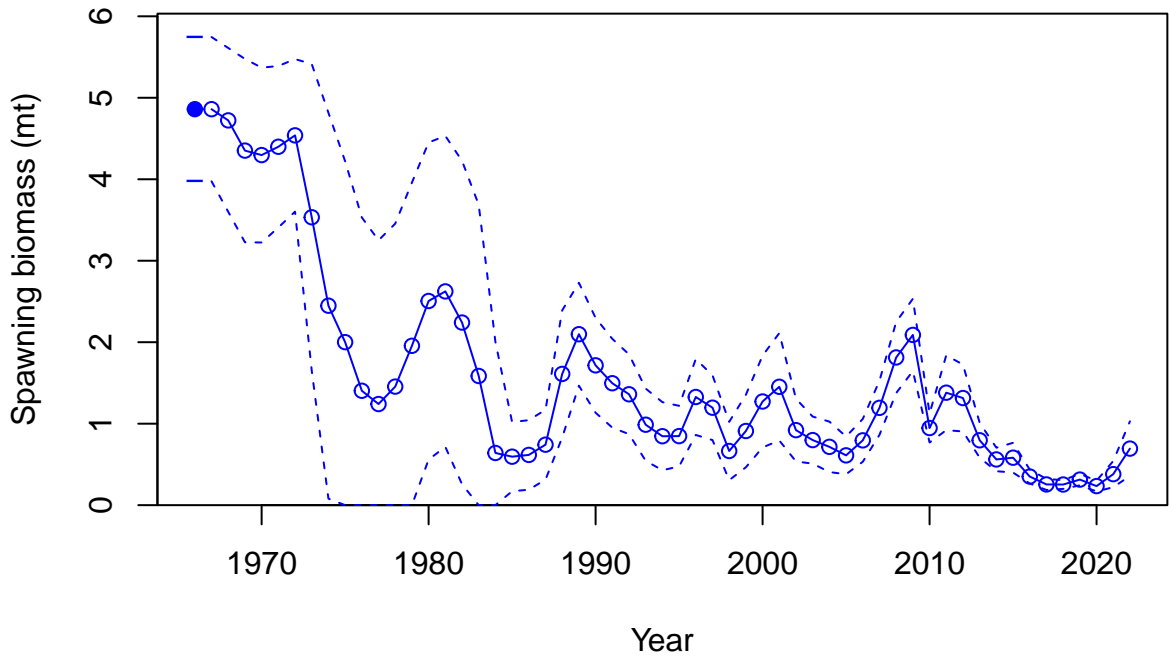




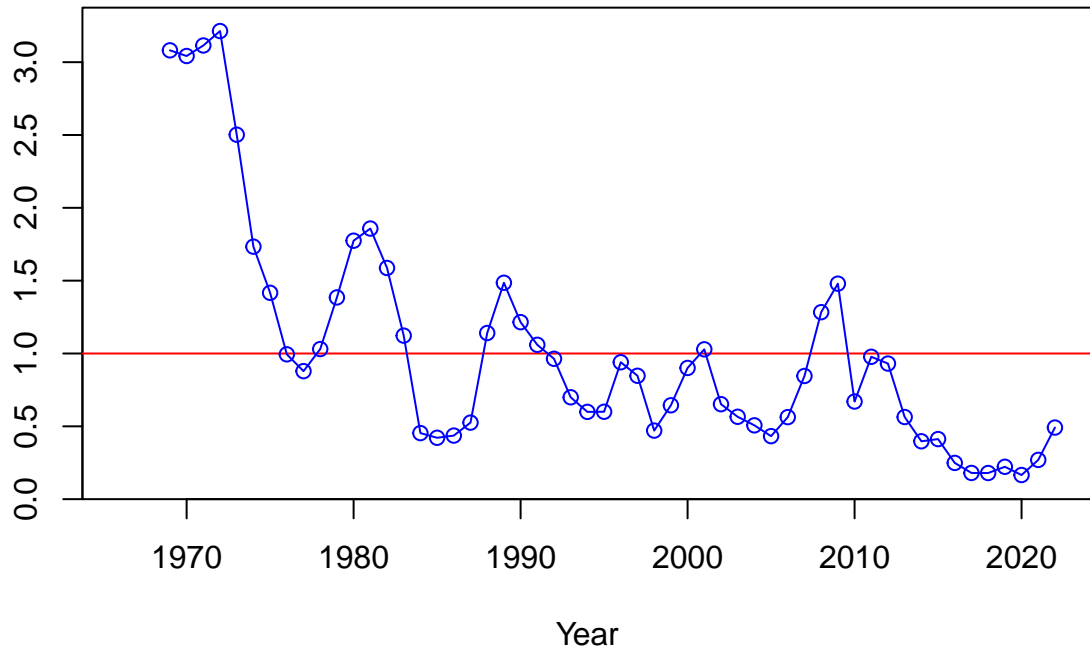


Spawning biomass (mt)

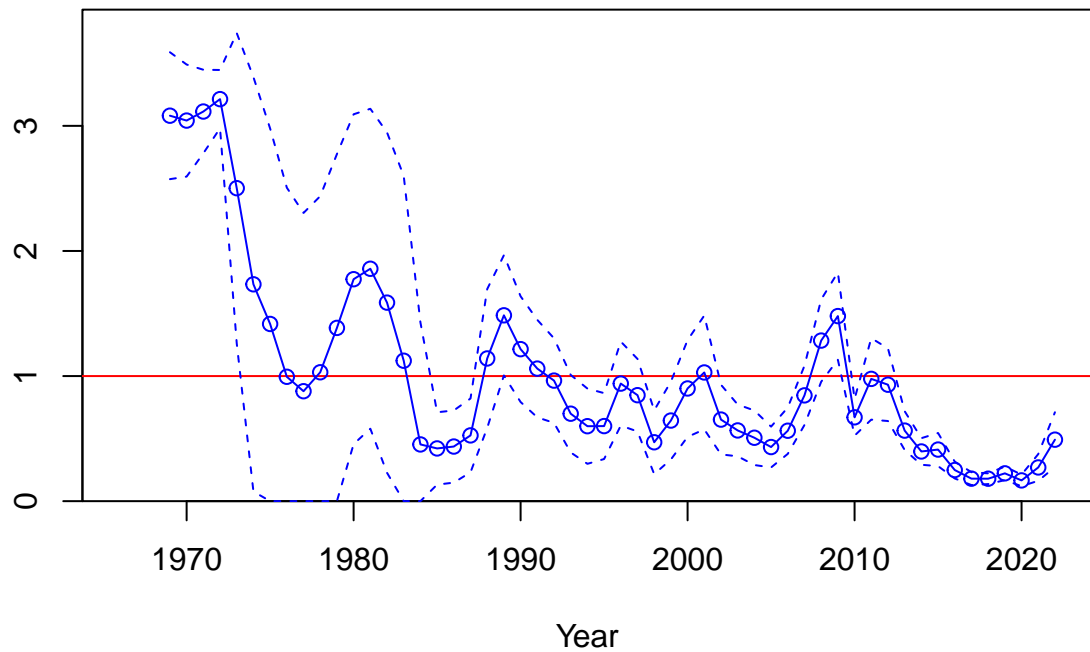


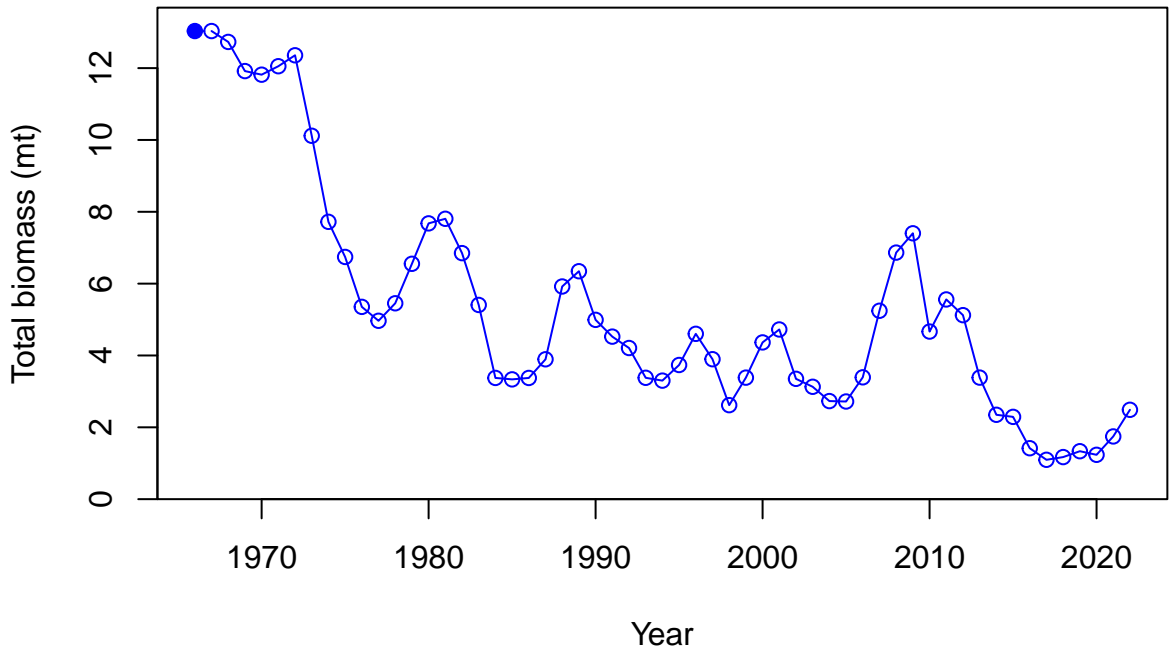


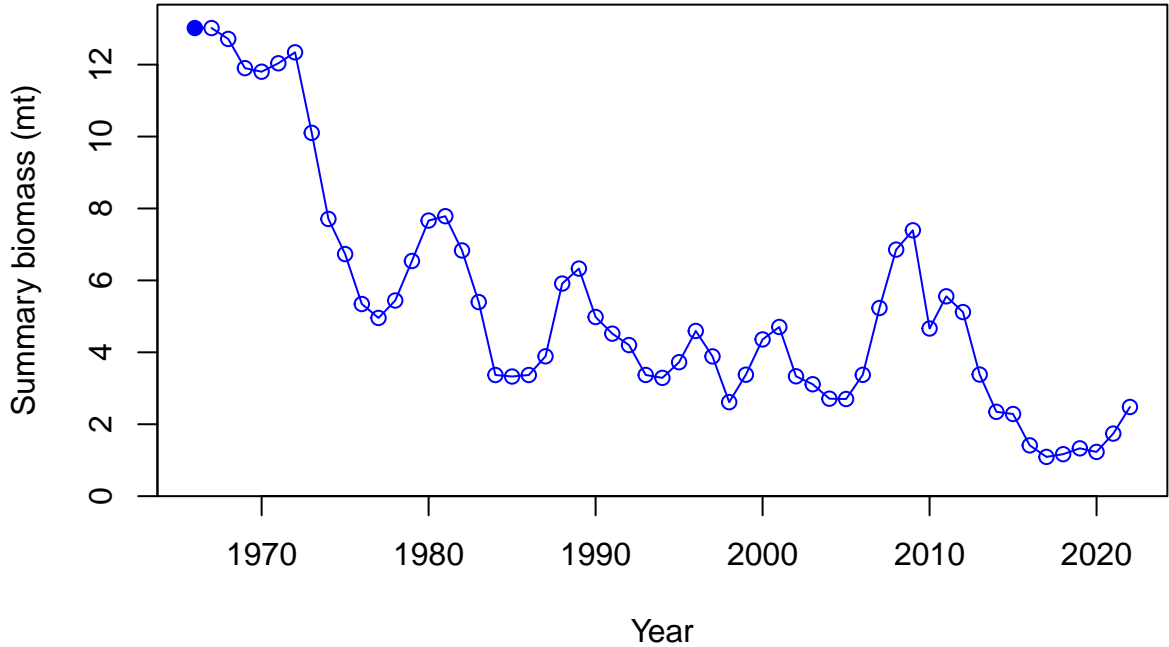
Relative spawning biomass:  $B/B_{MSY}$



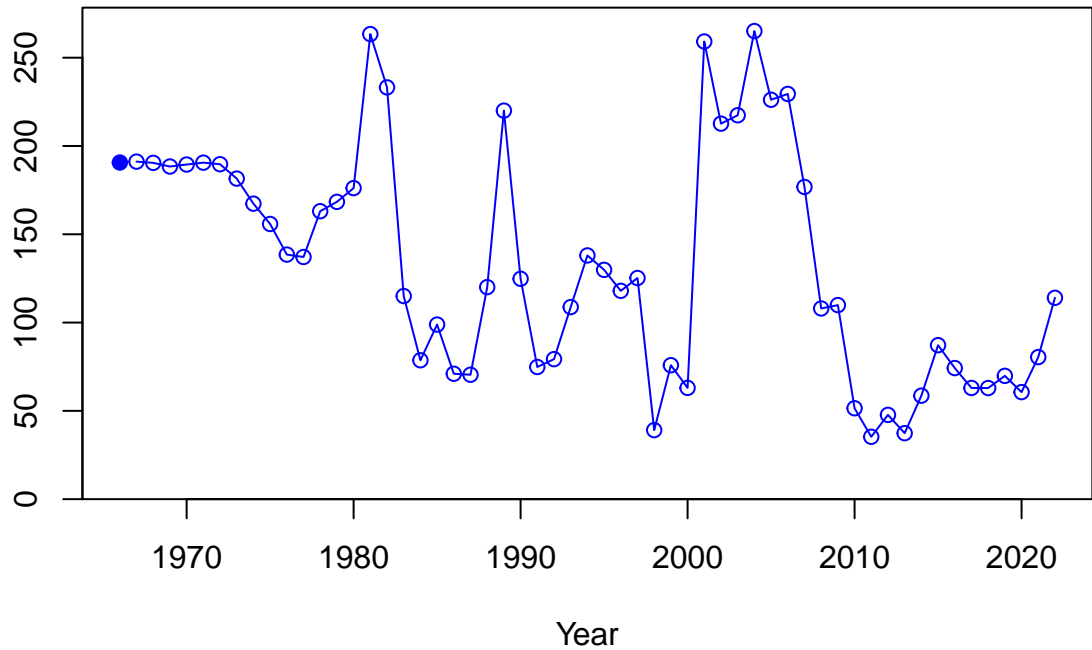
Relative spawning biomass:  $B/B_{MSY}$





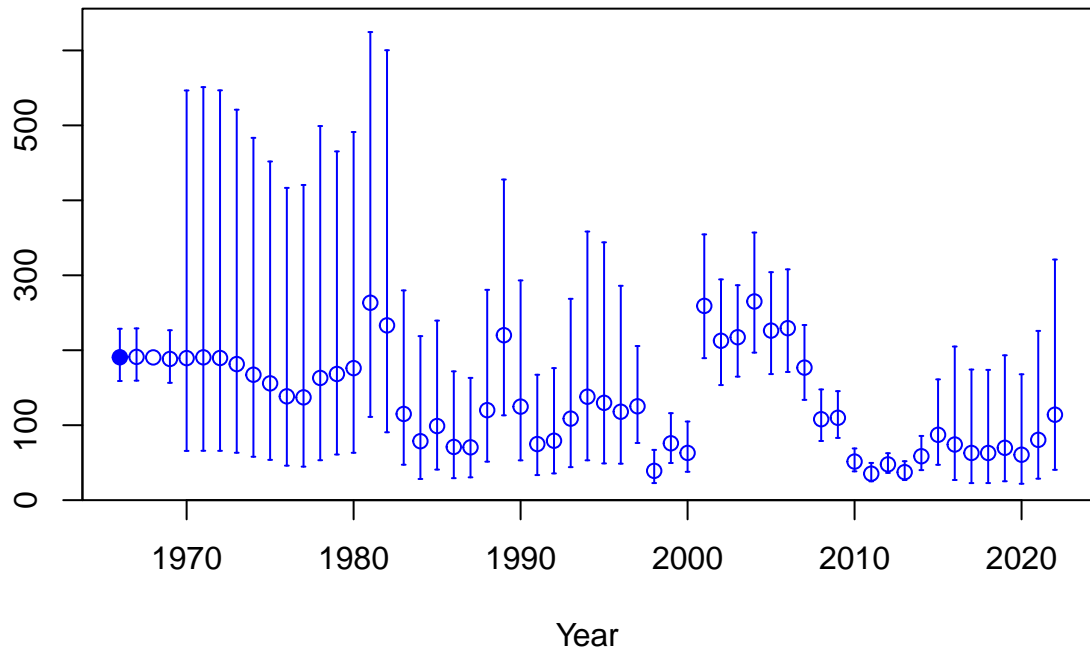


Age-0 recruits (1,000s)

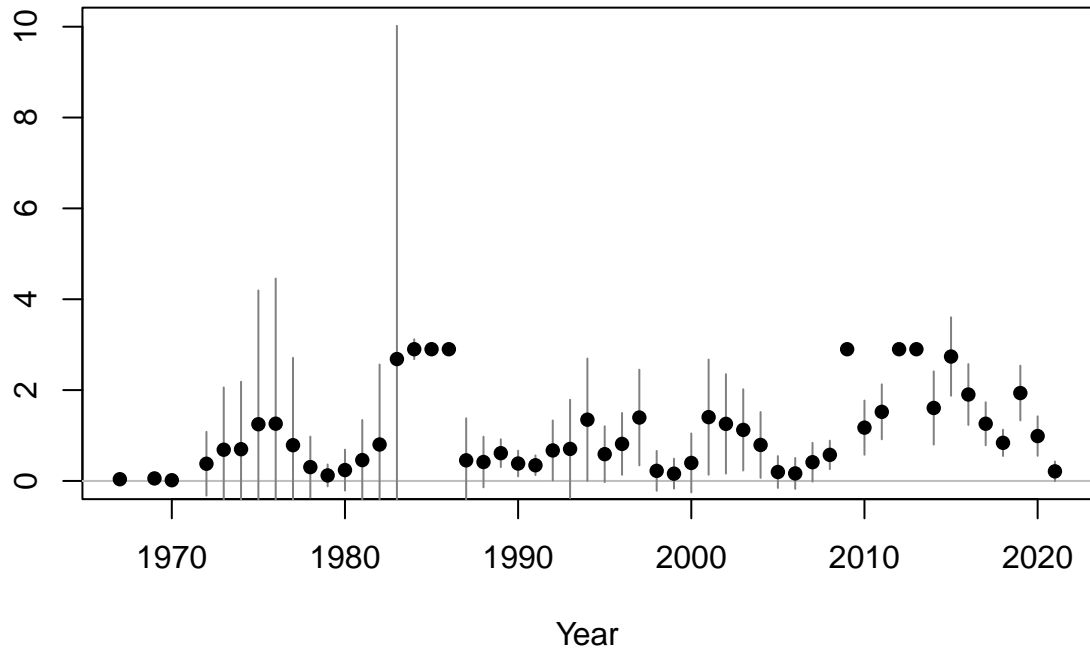




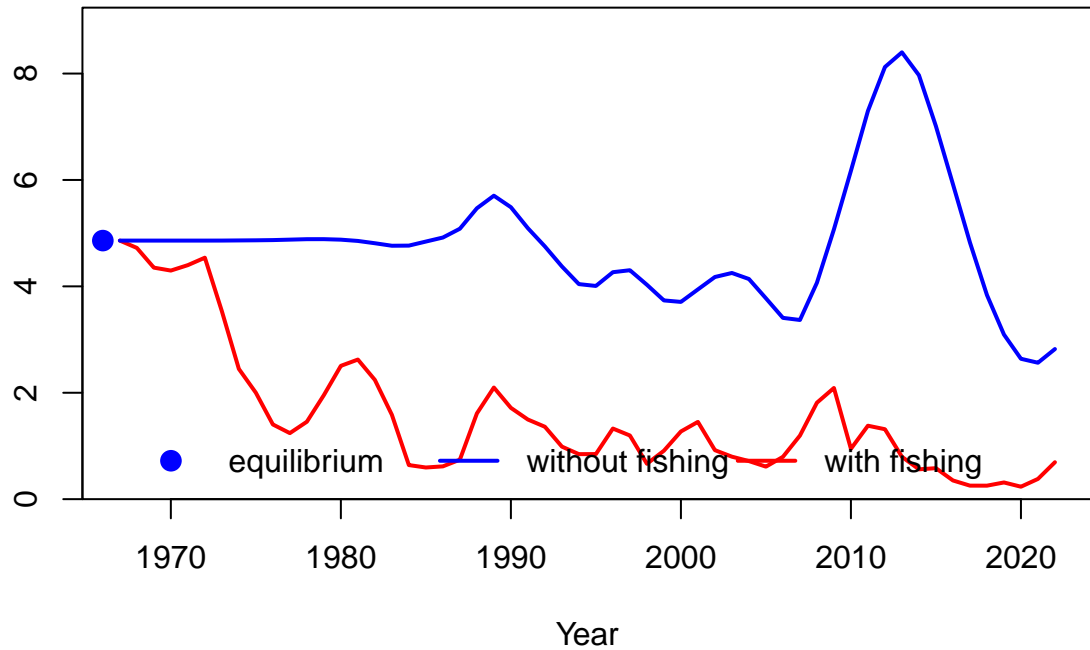
Age-0 recruits (1,000s)



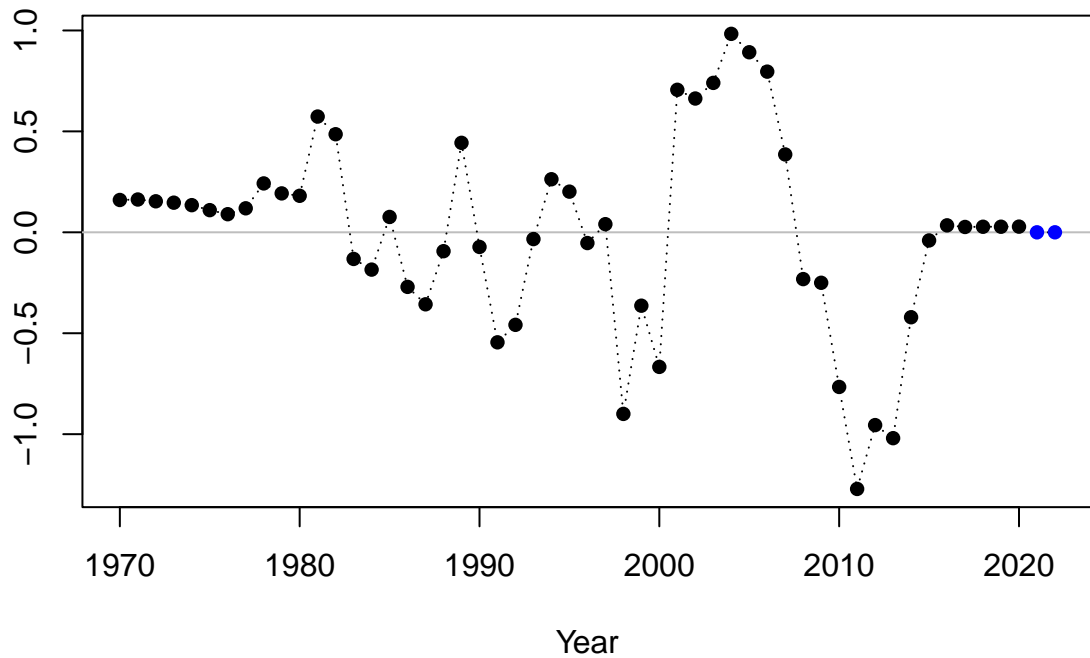
Summary Fishing Mortality



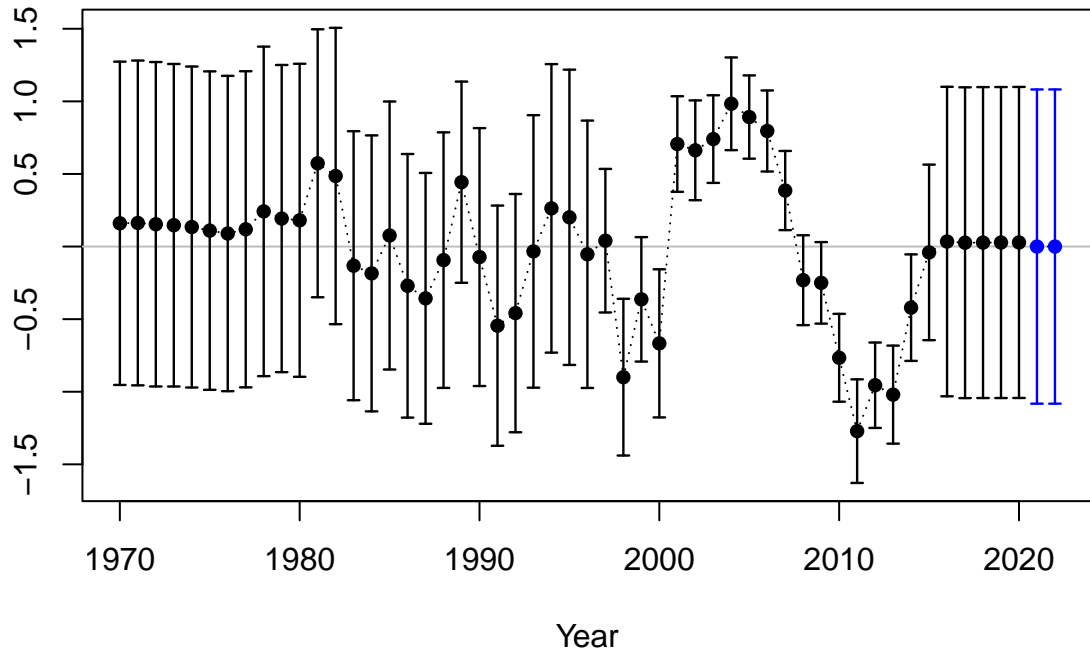
Spawning biomass (mt)



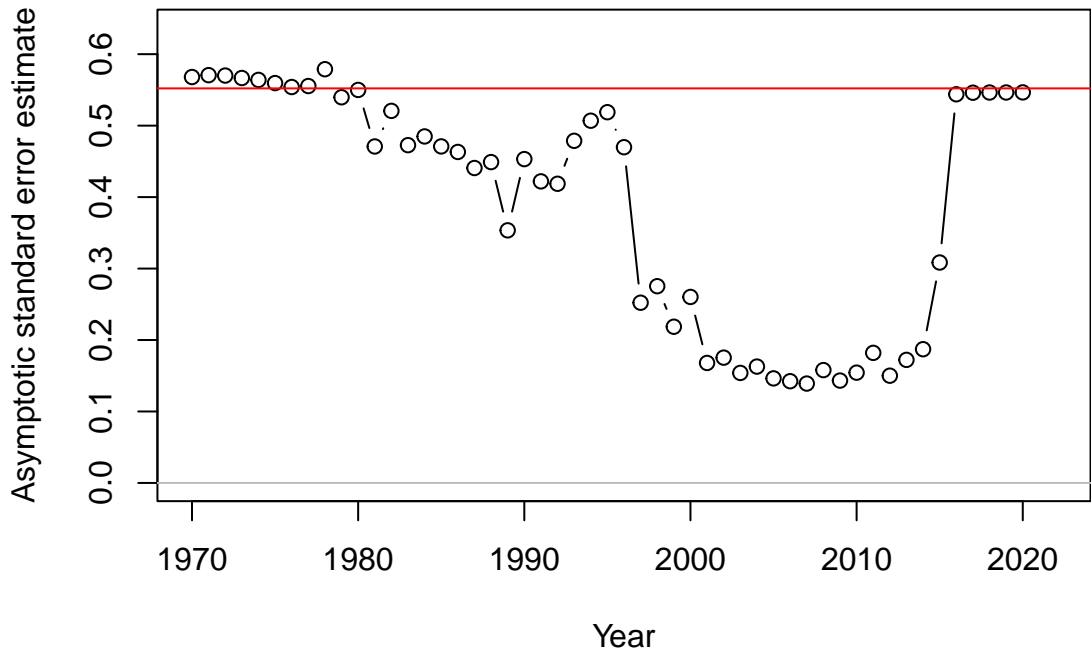
Log recruitment deviation

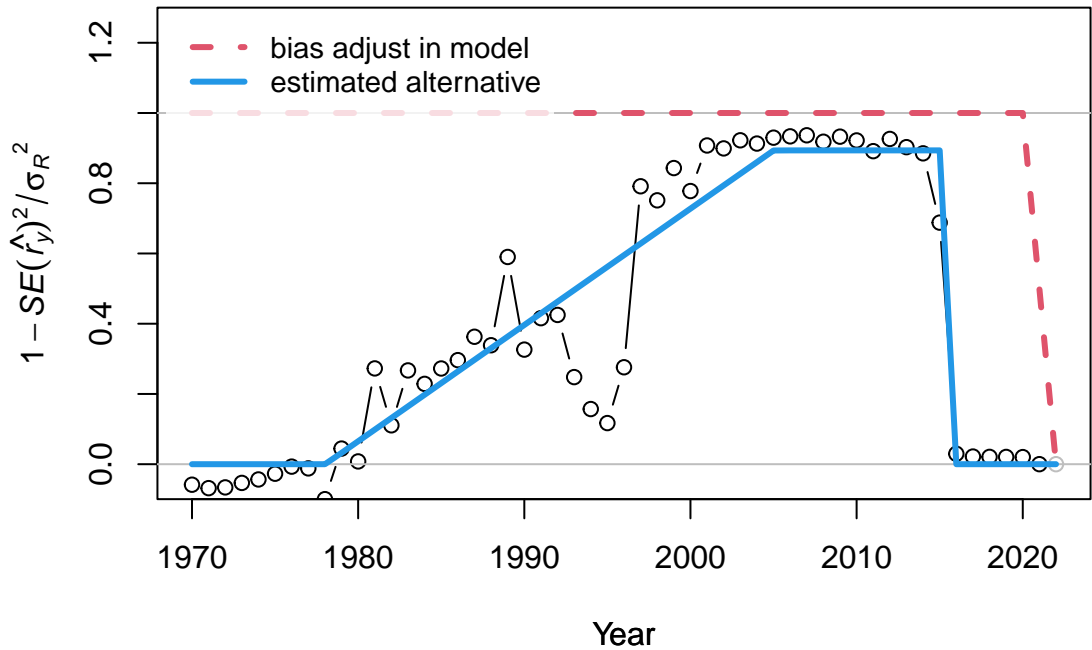


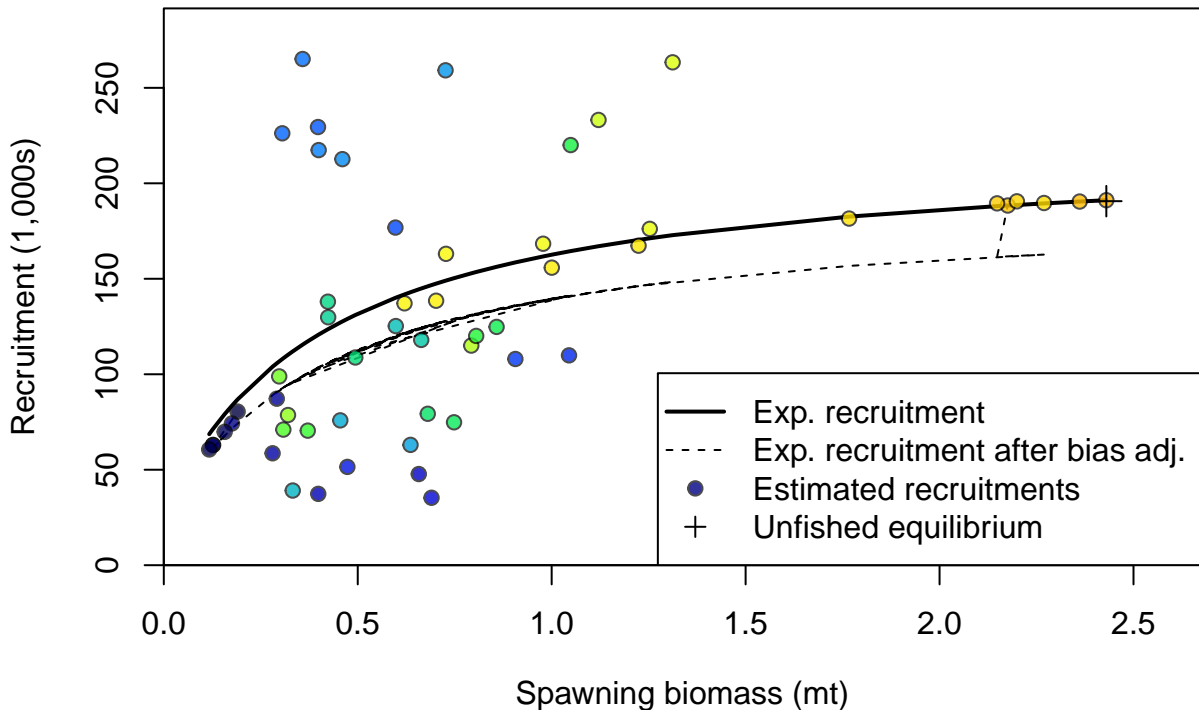
Log recruitment deviation



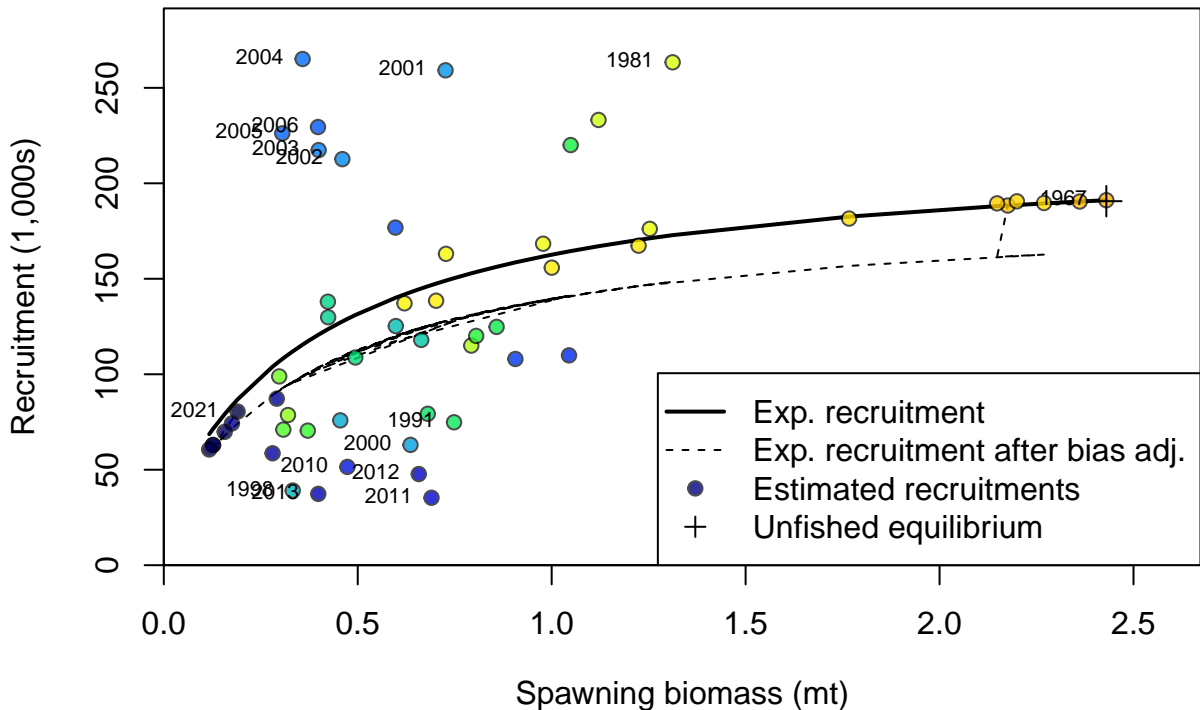
## Recruitment deviation variance



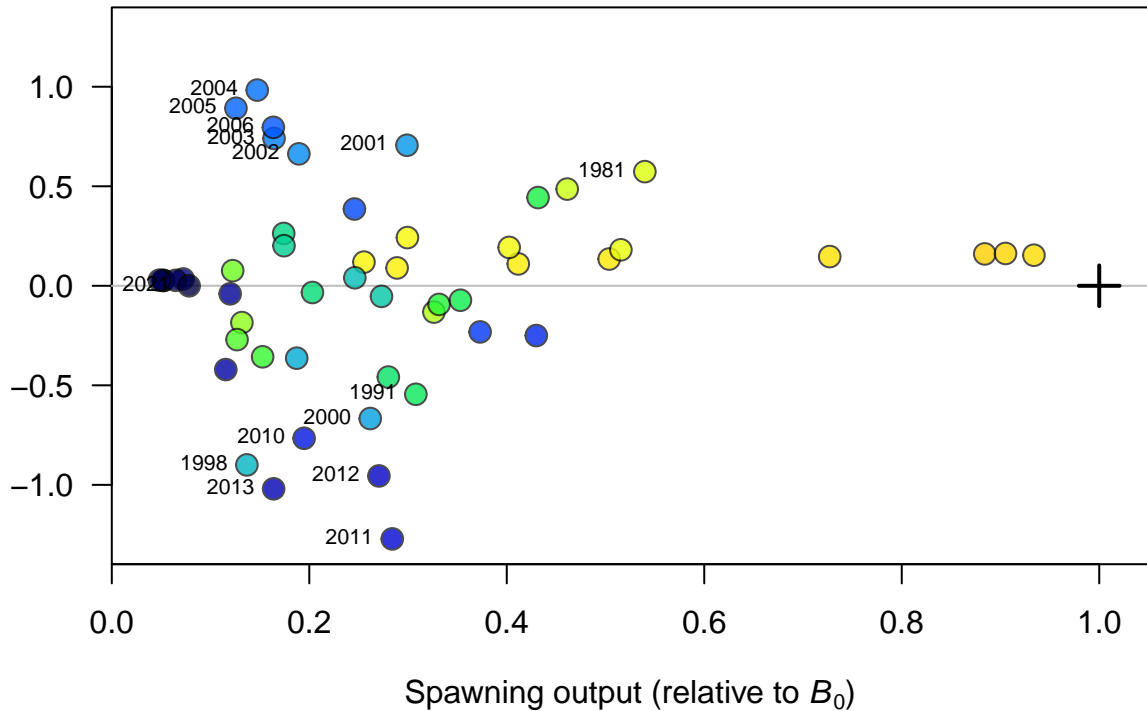


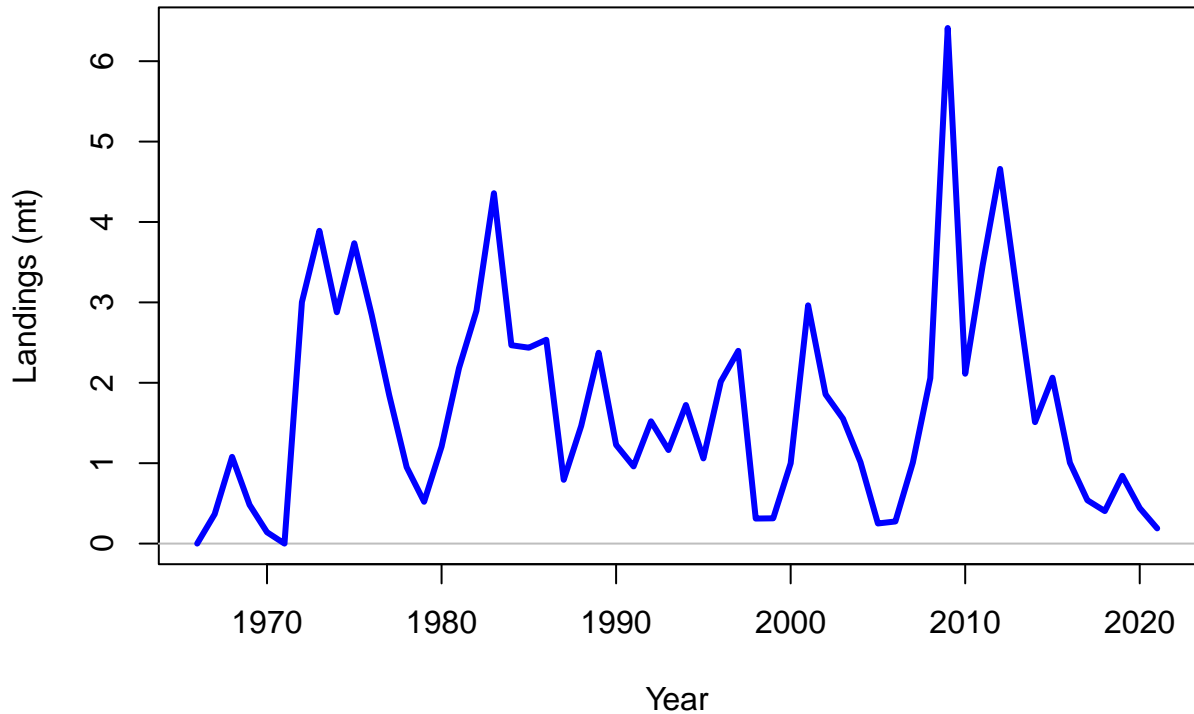


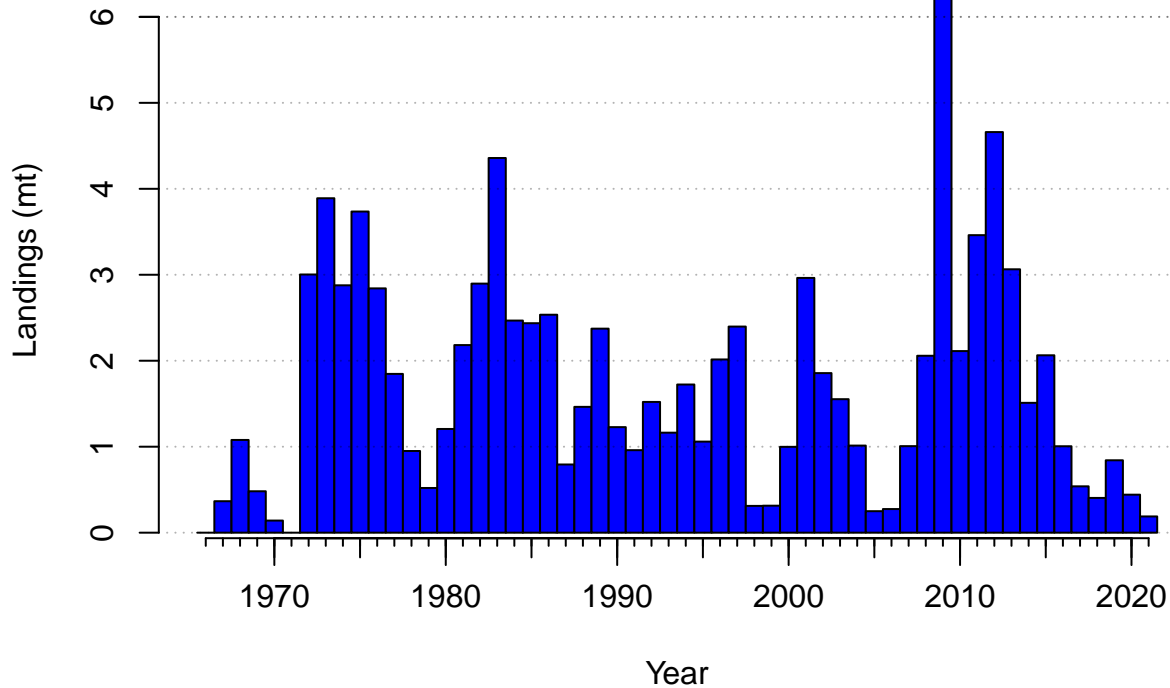




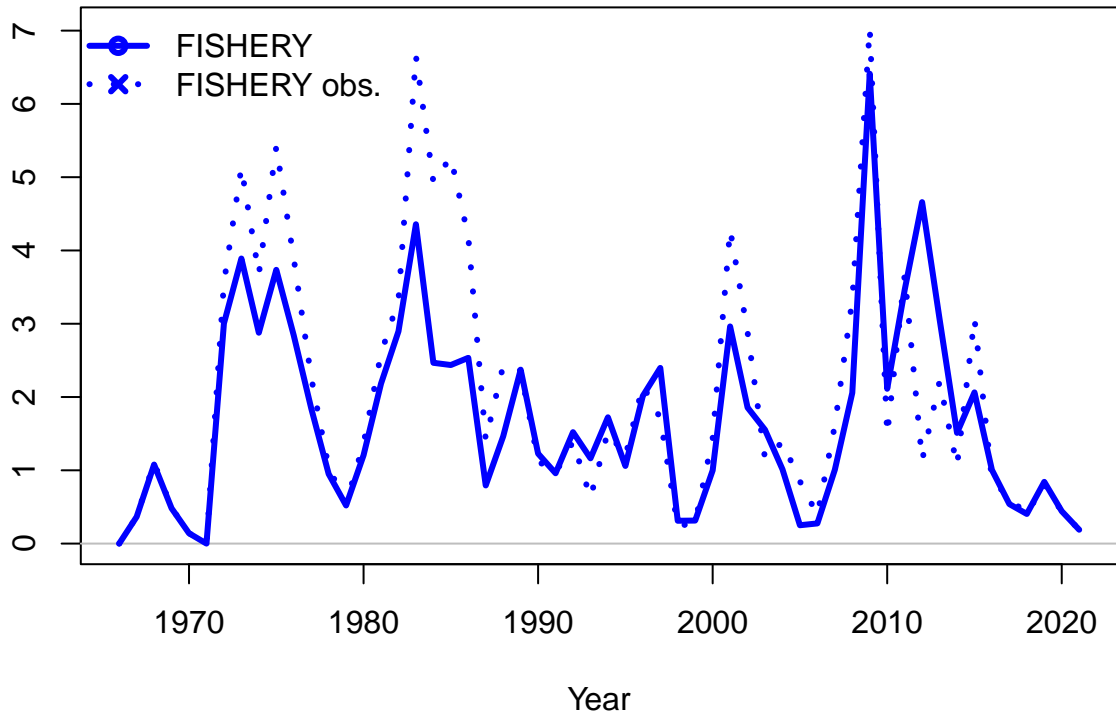
Log recruitment deviation

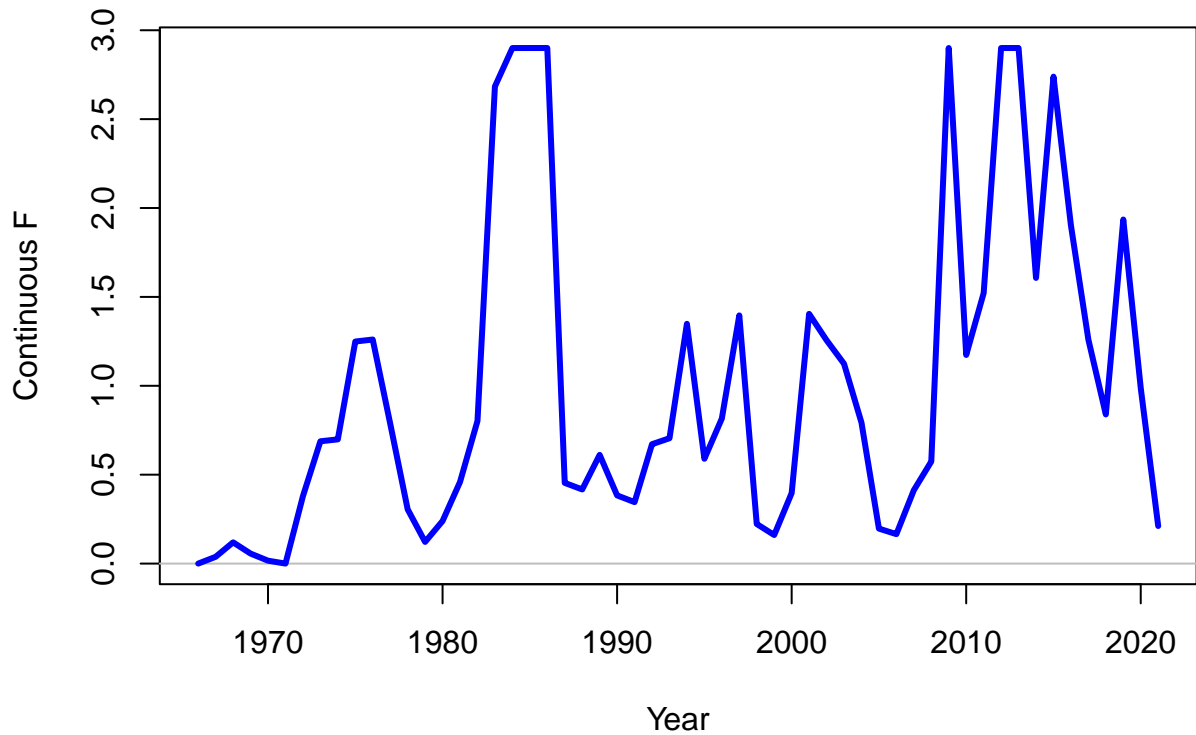




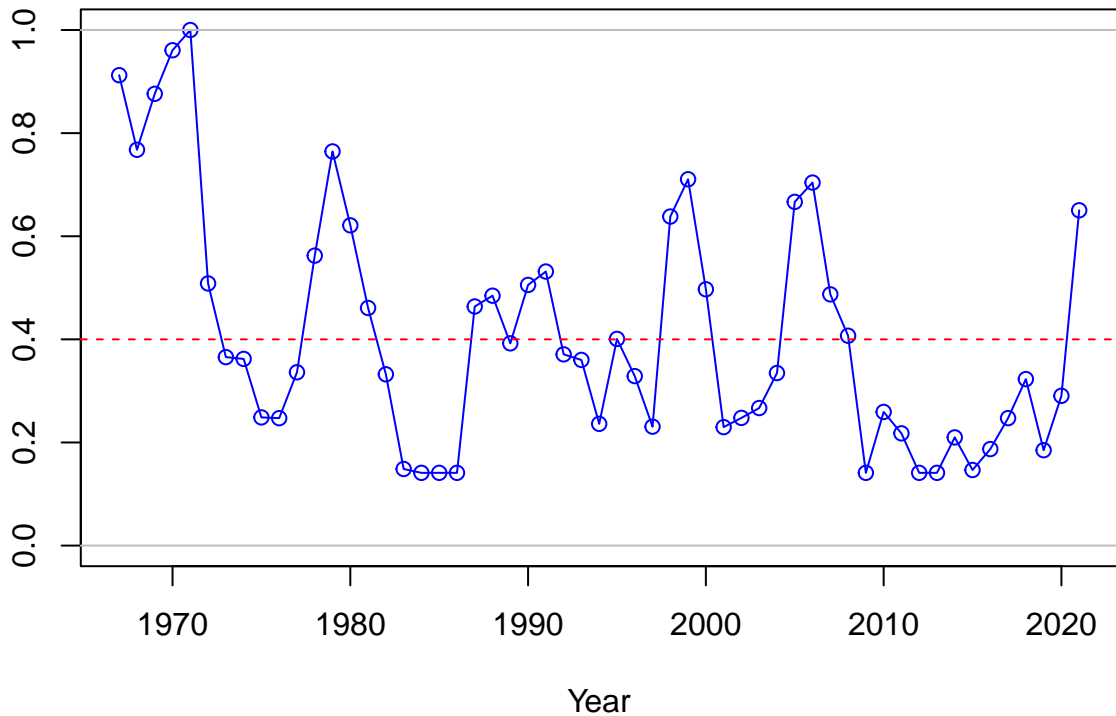


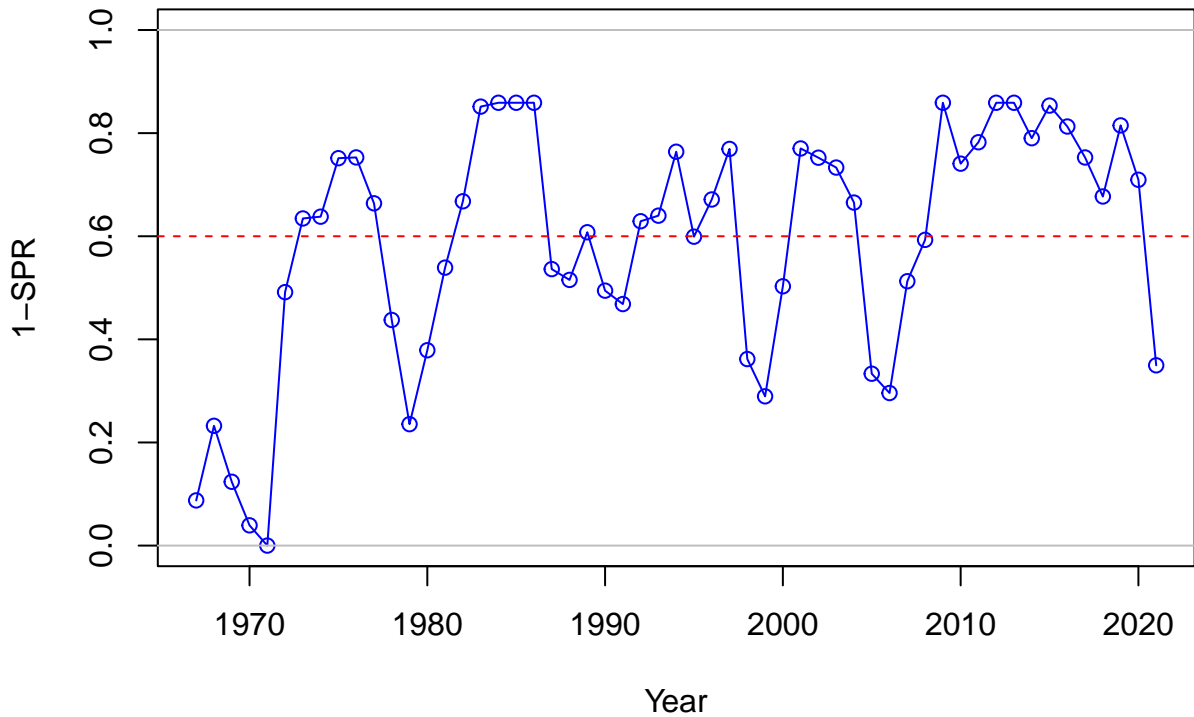
Observed and expected Landings (mt)





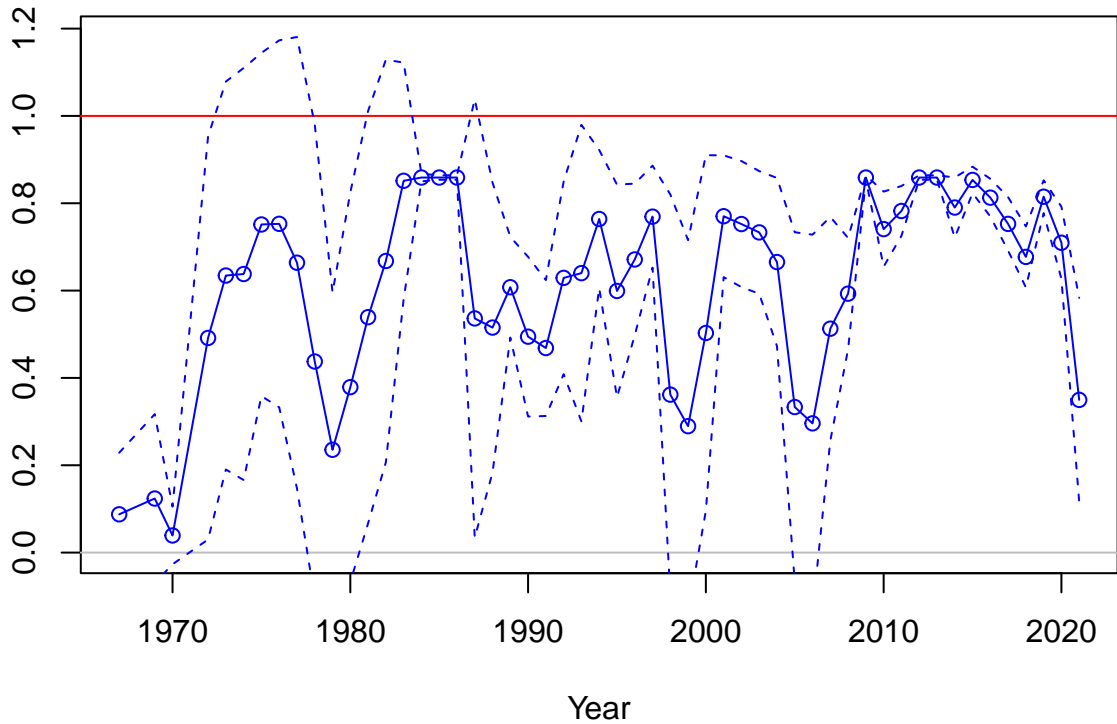
SPR



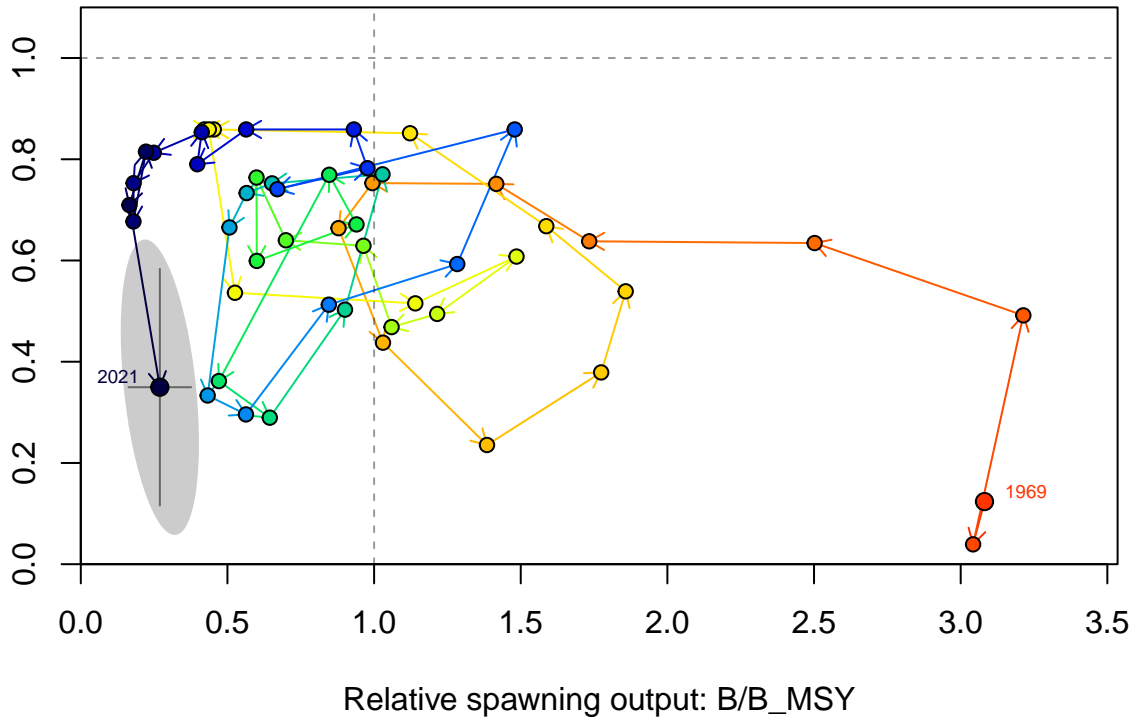




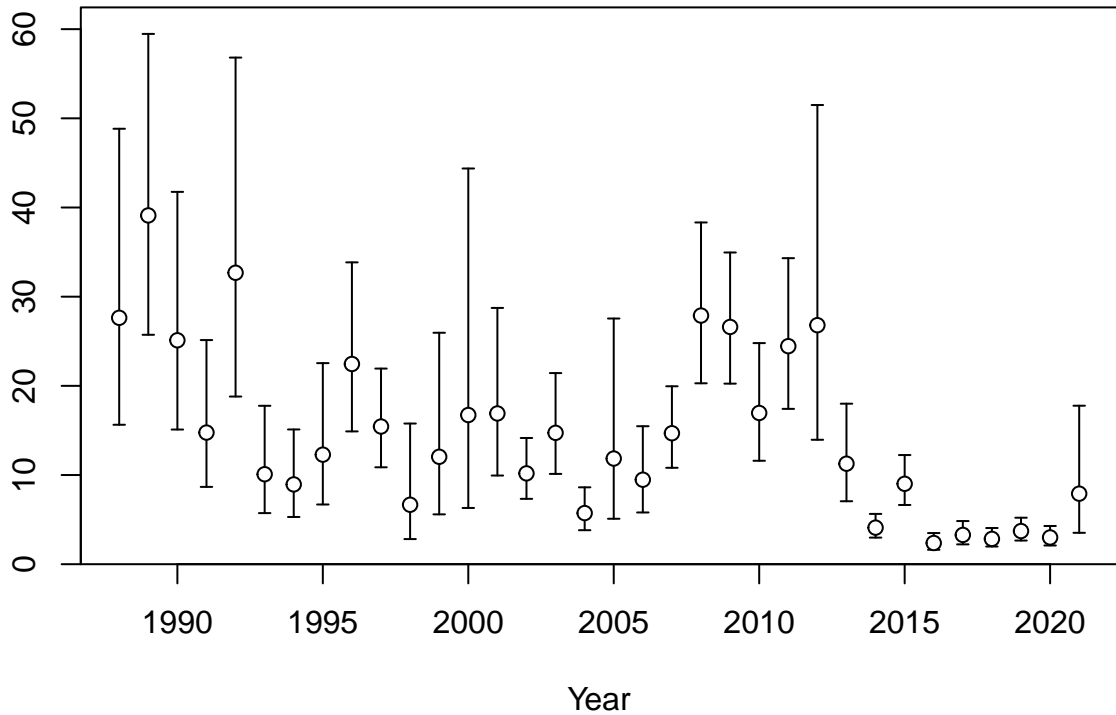
Fishing intensity: 1-SPR



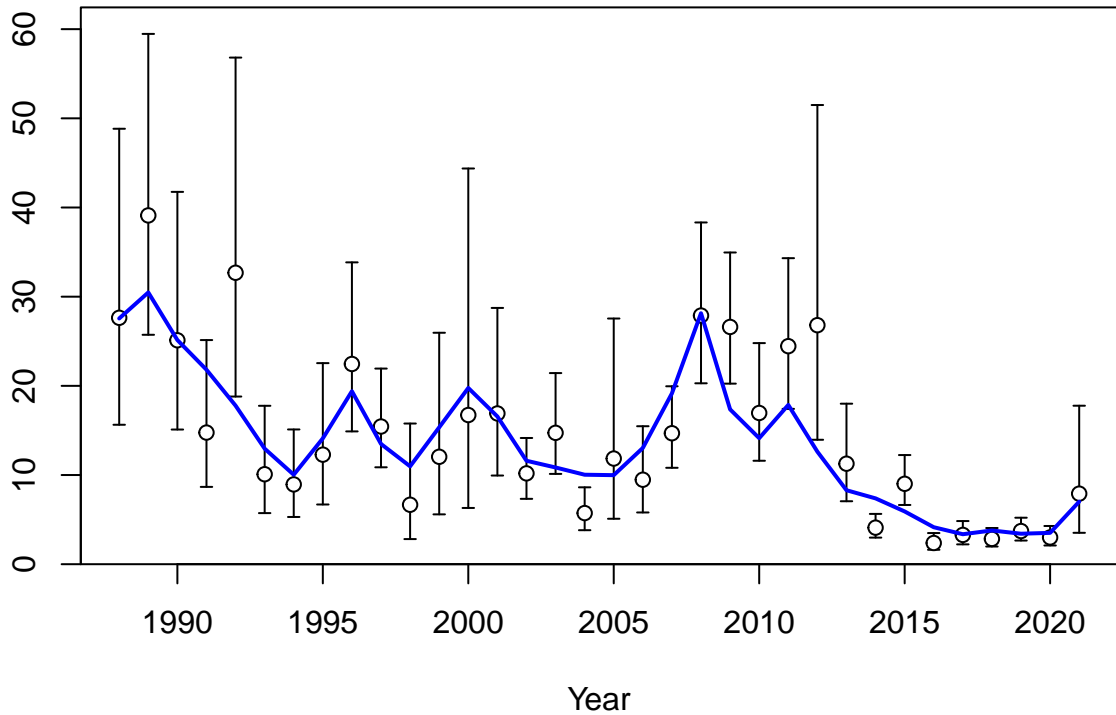
Fishing intensity: 1-SPR

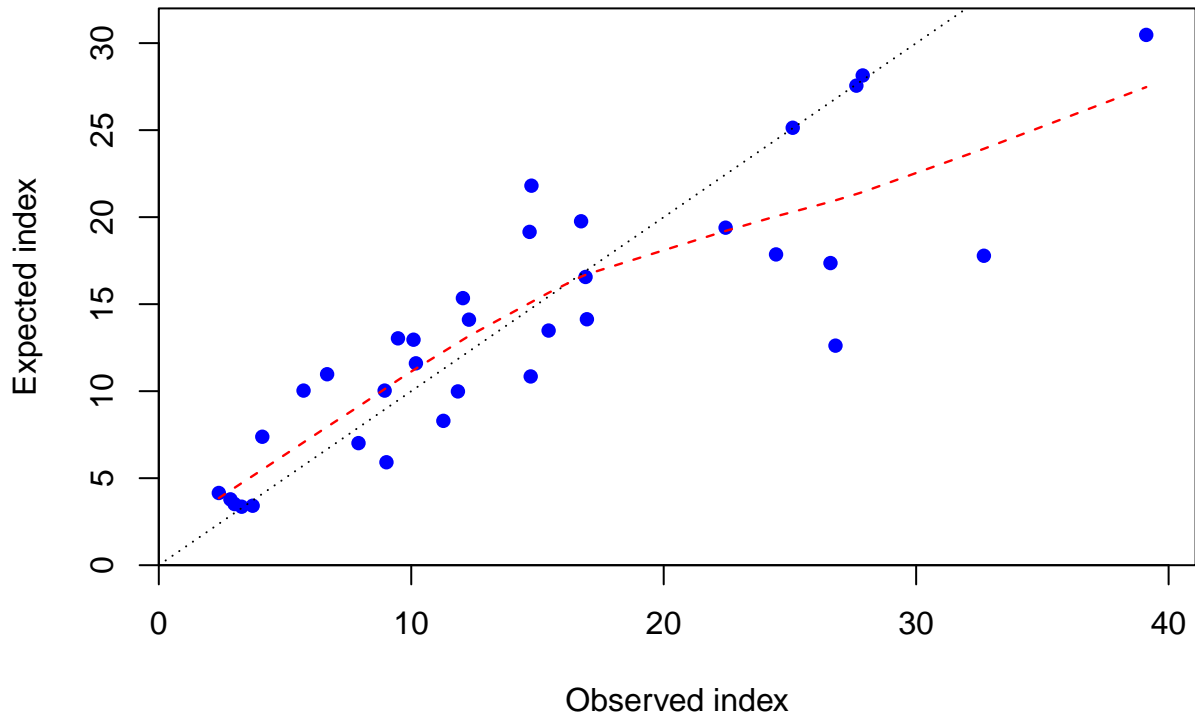


Index

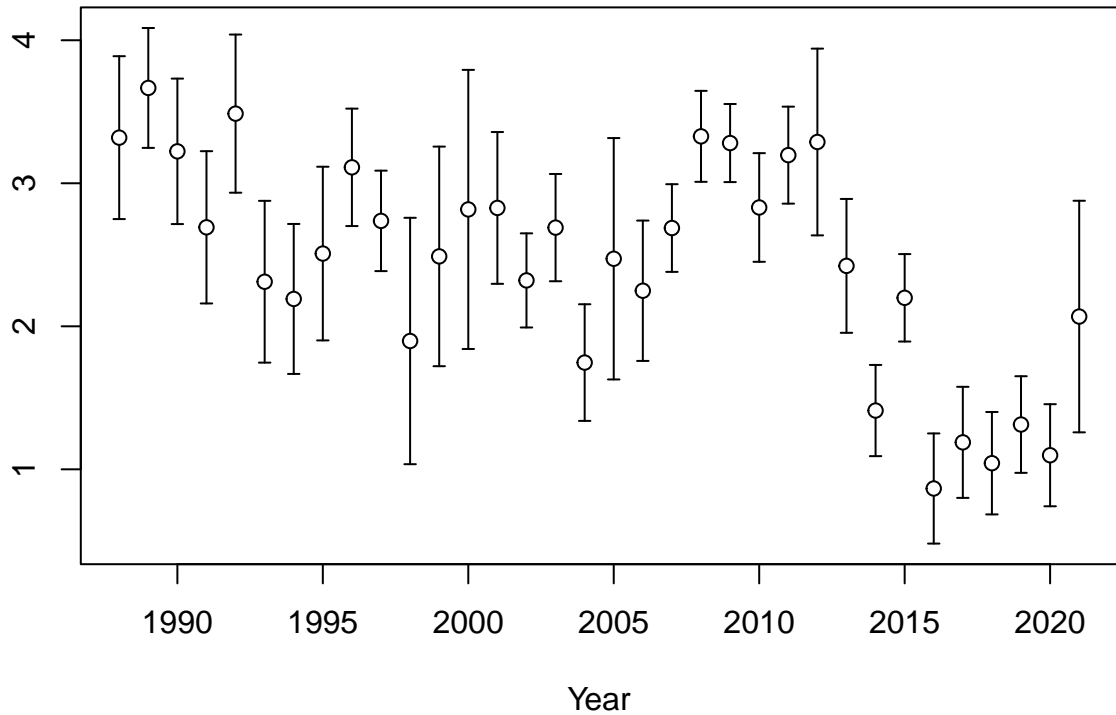


Index

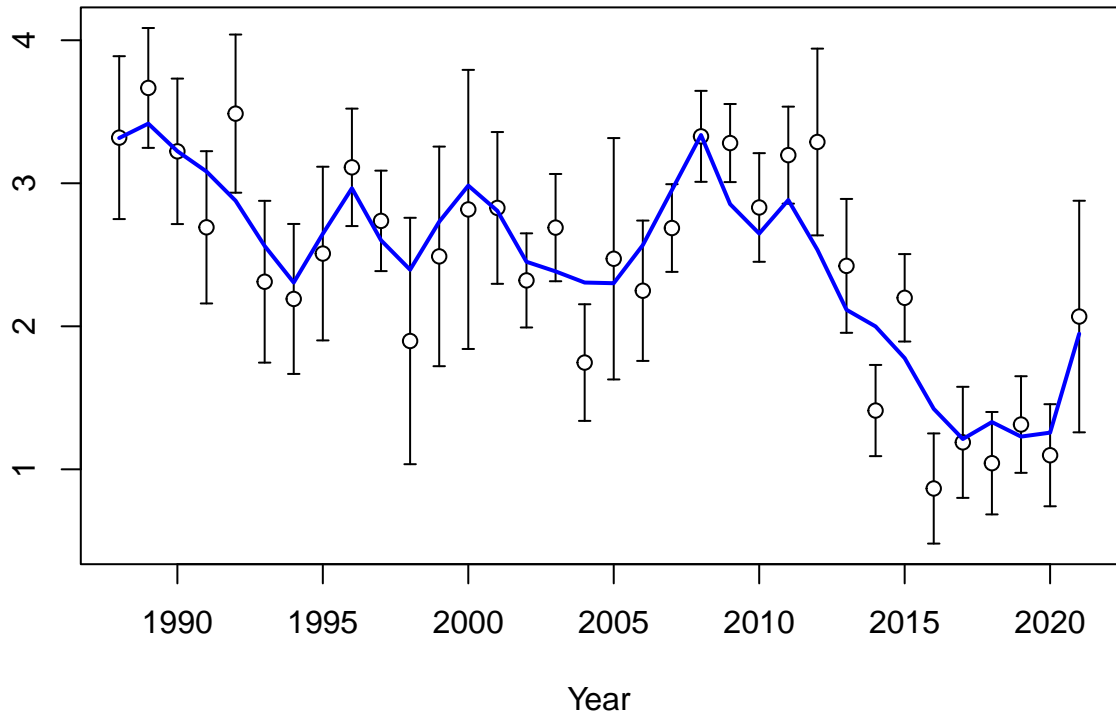


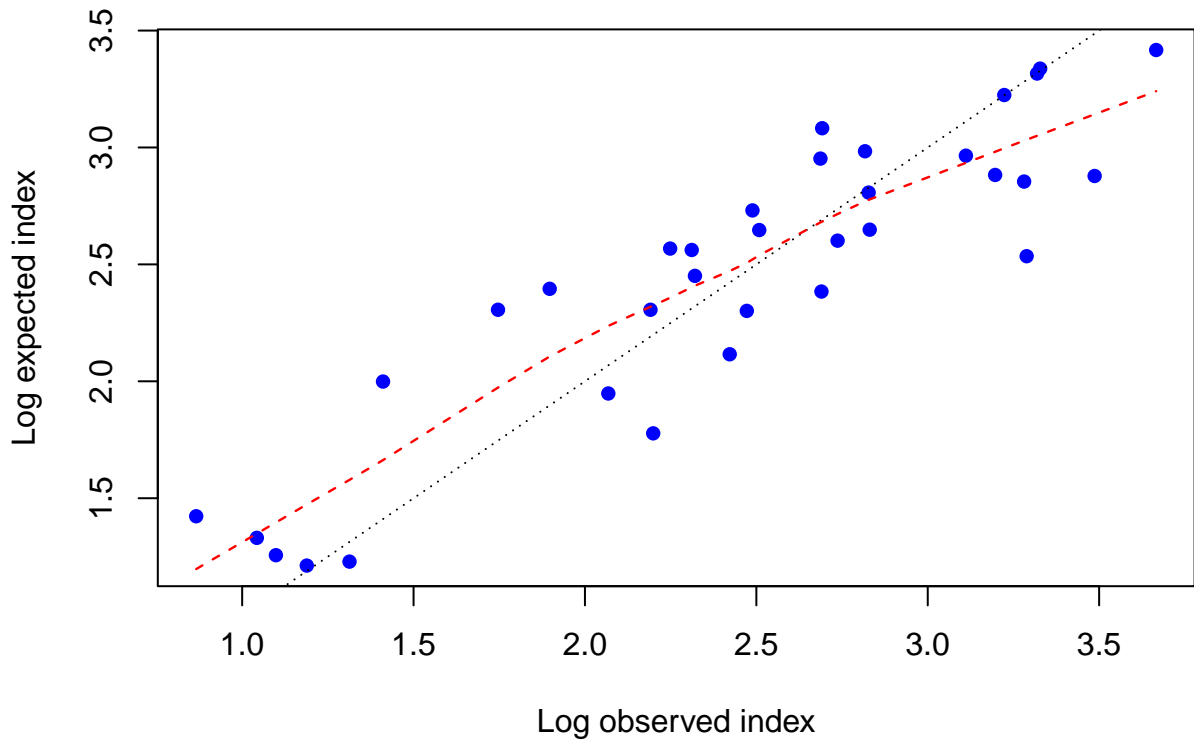


Log index



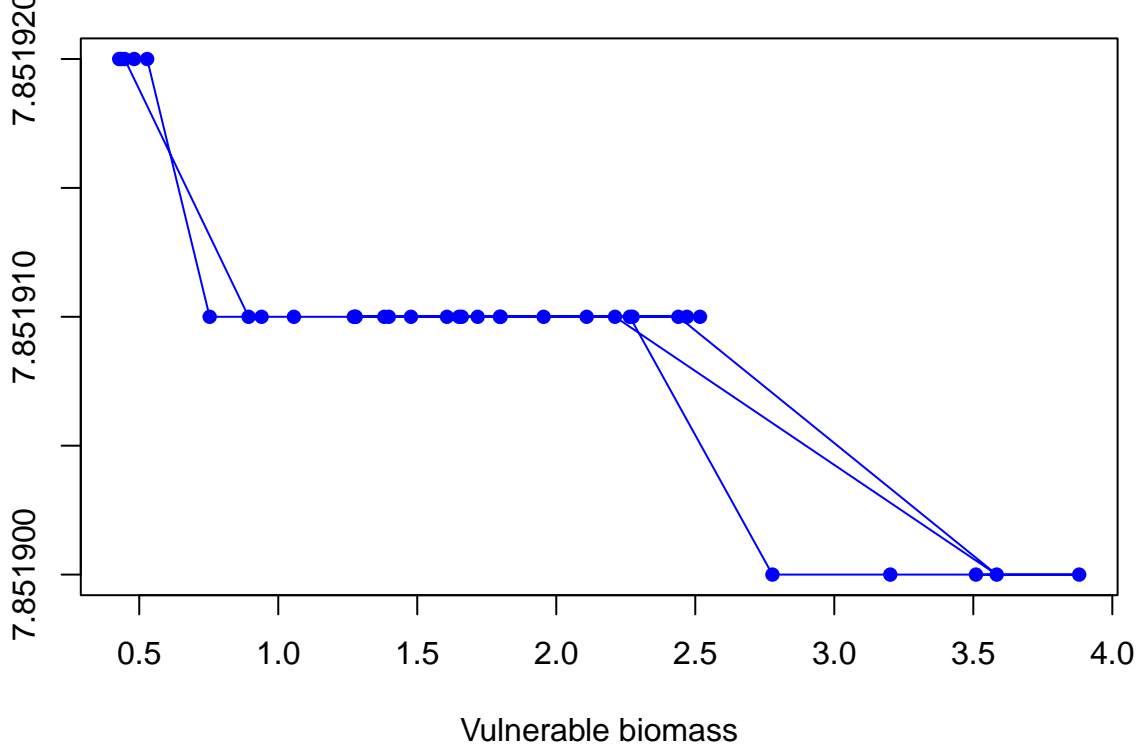
Log index

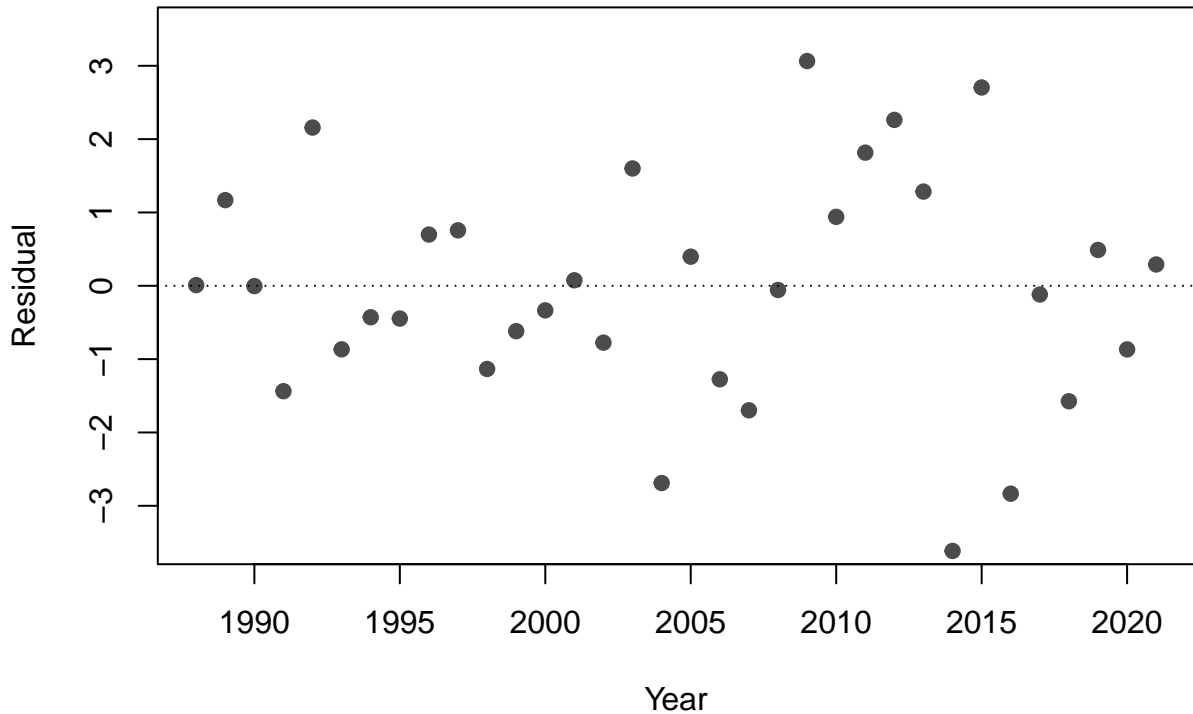


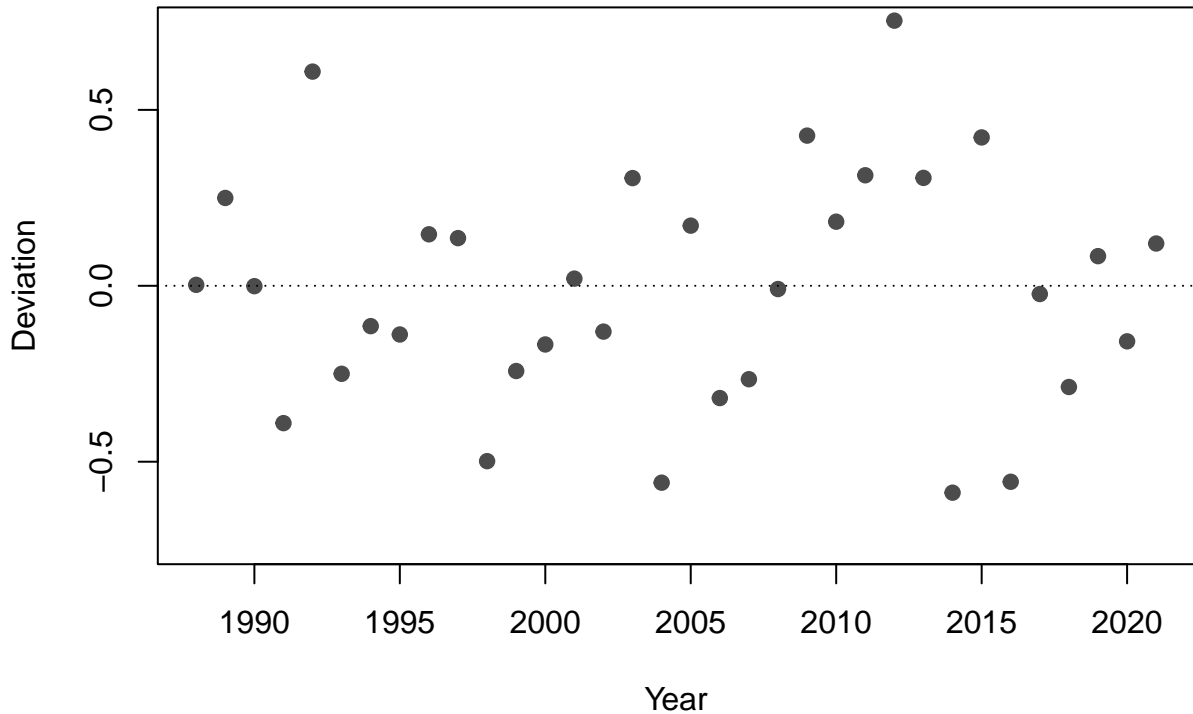


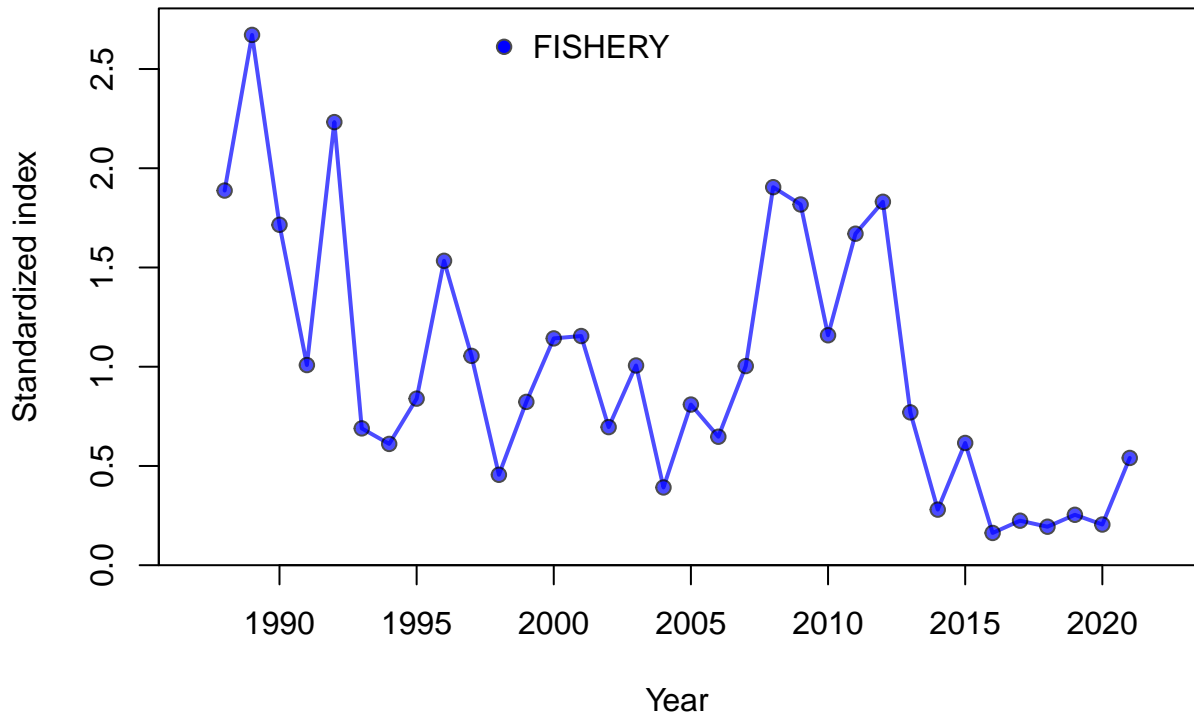


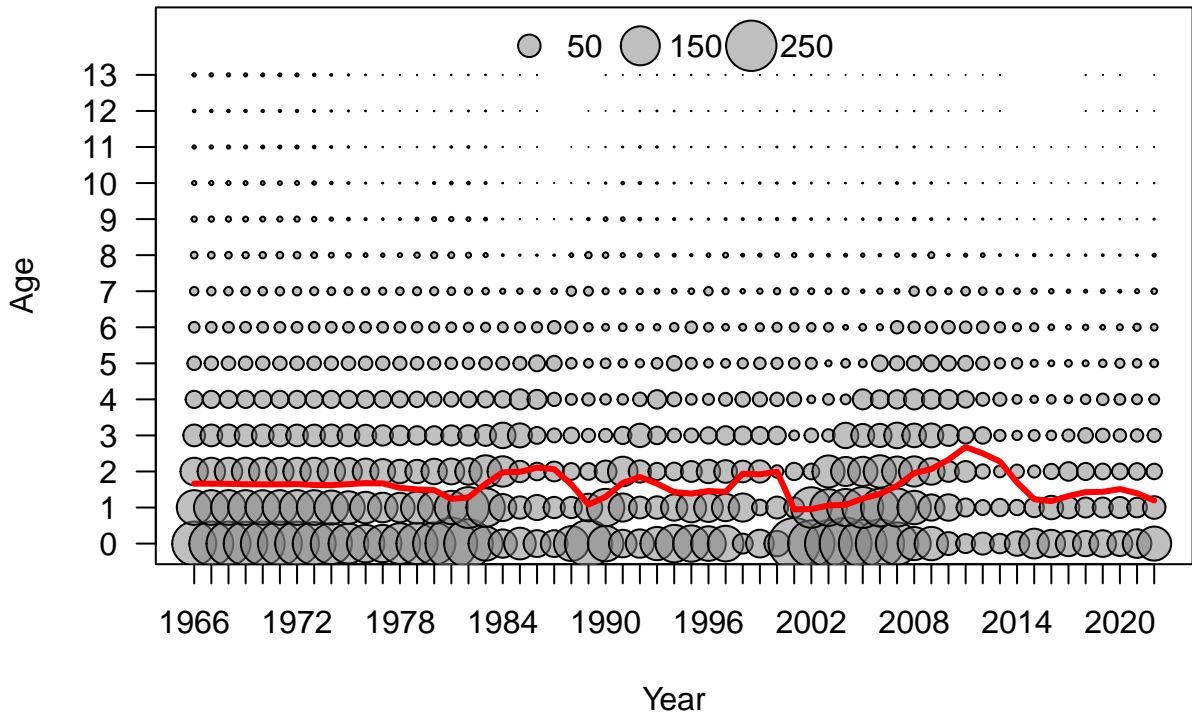
Effective catchability

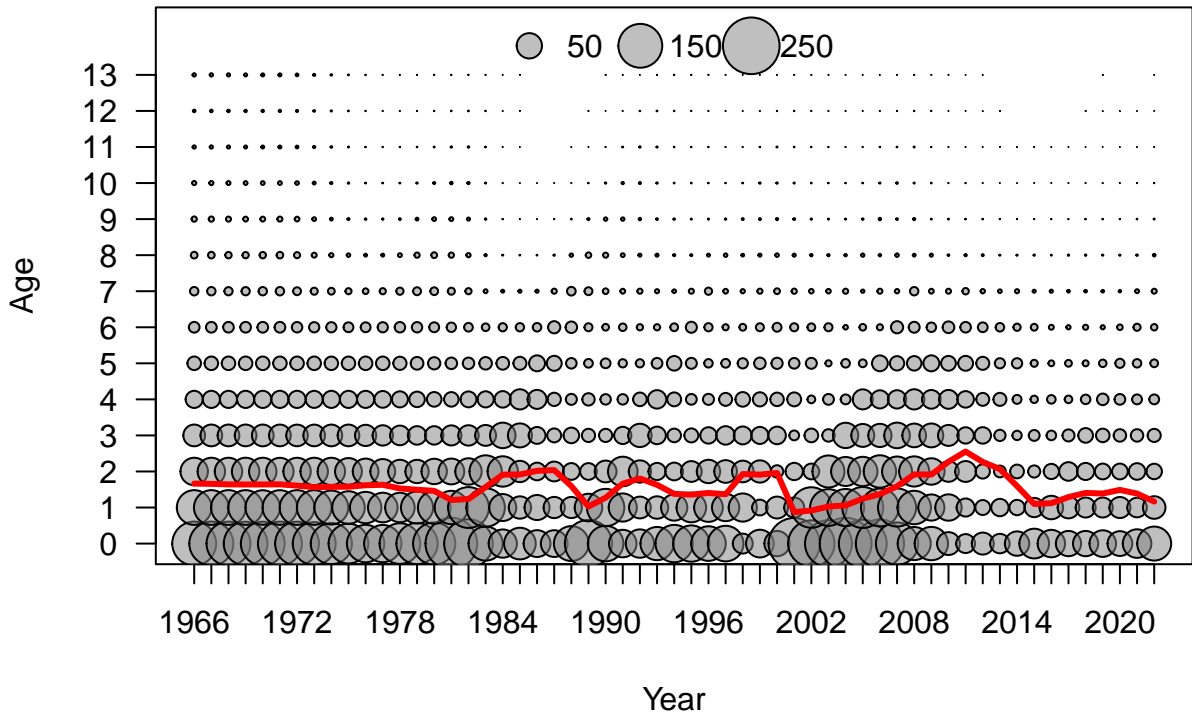


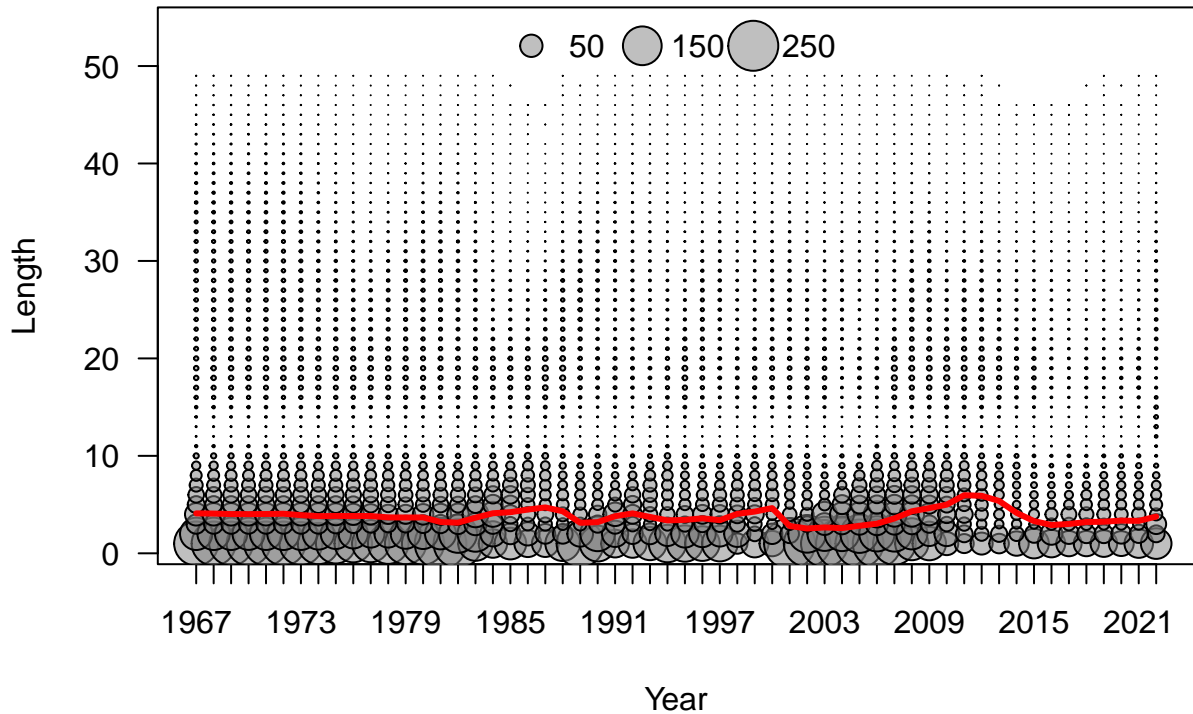


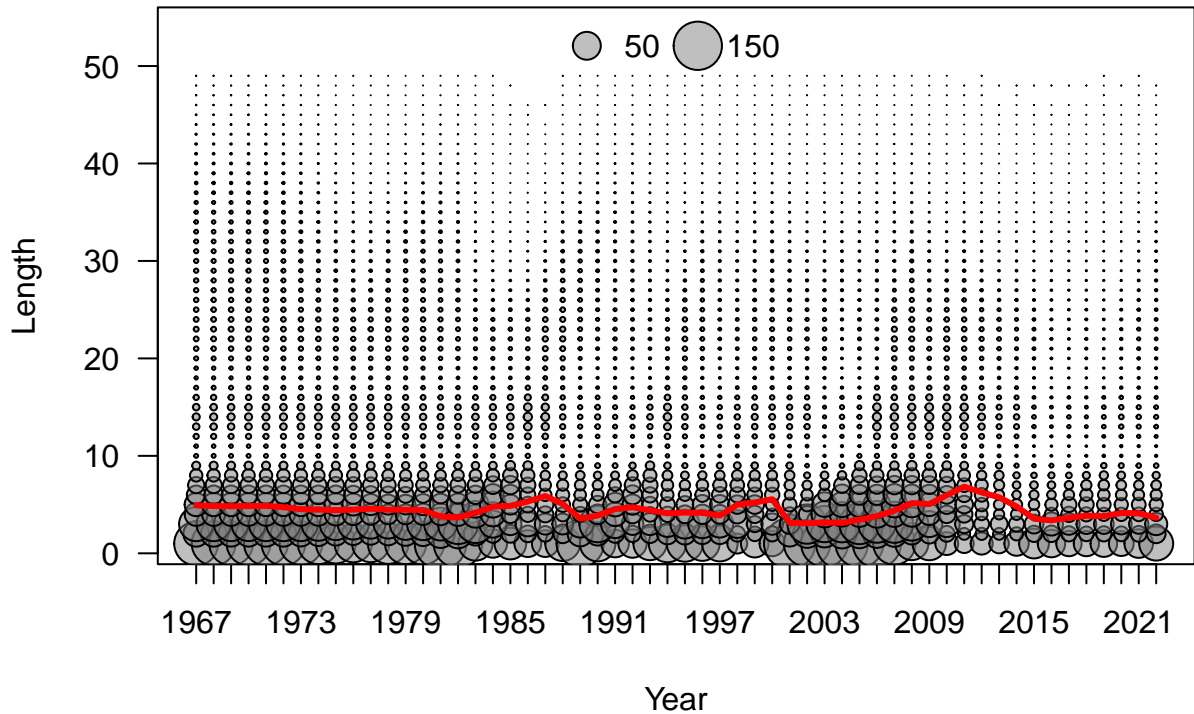






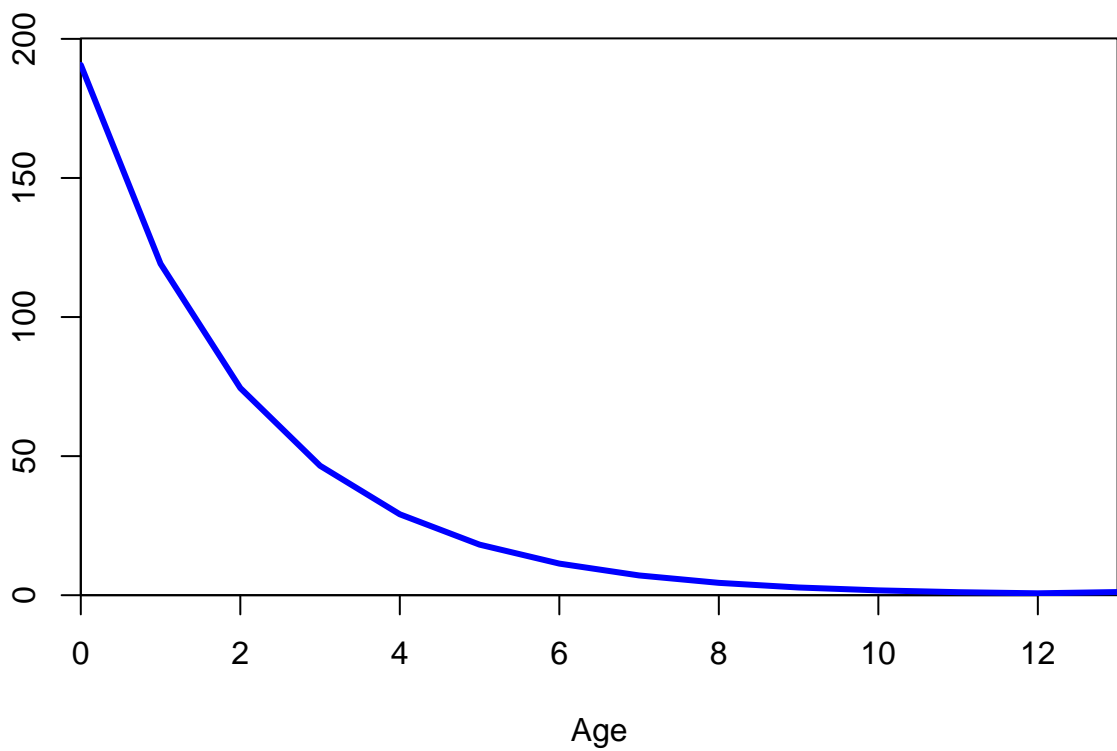


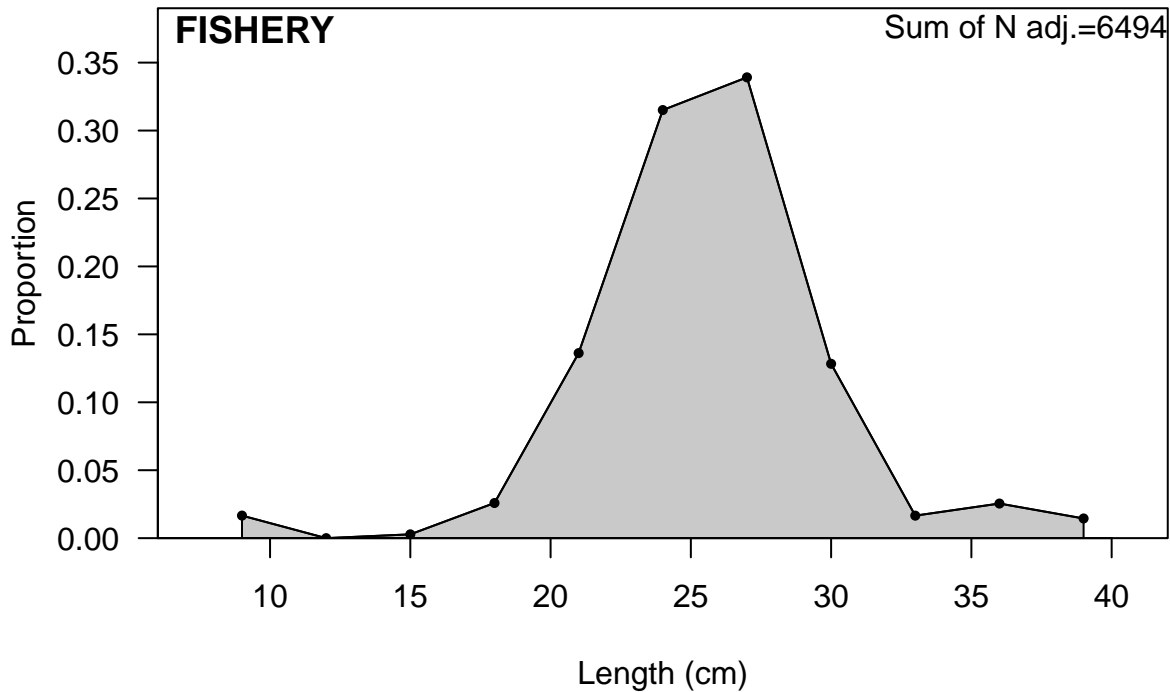


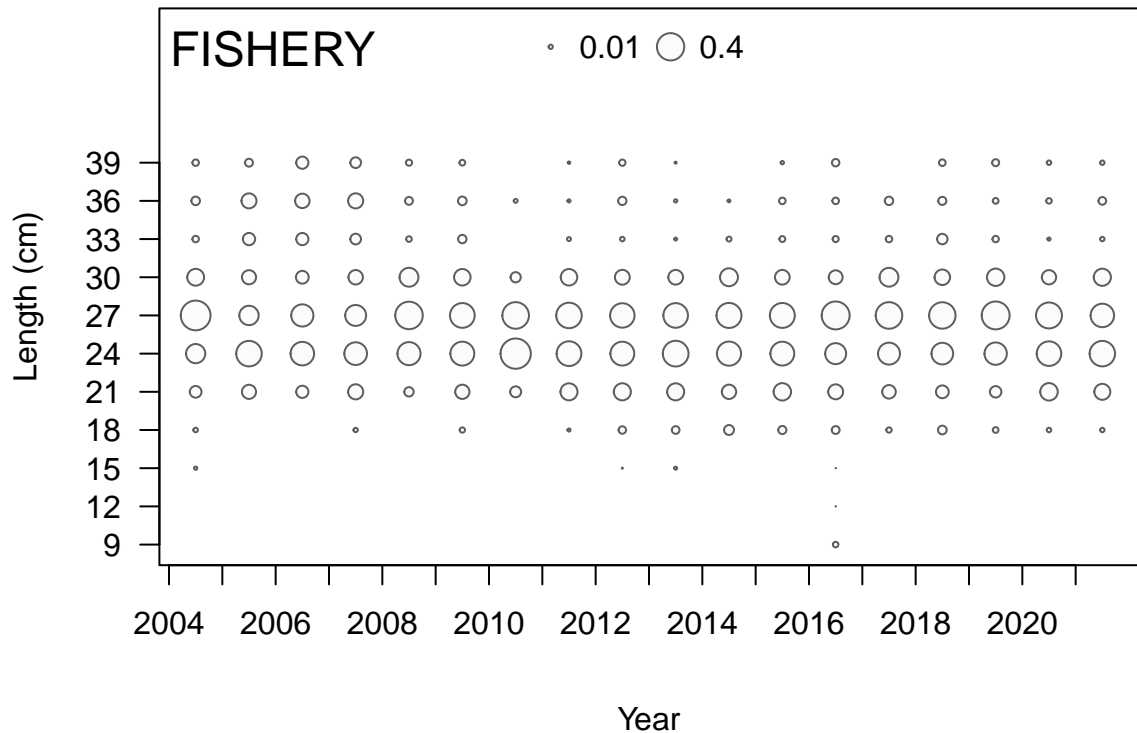


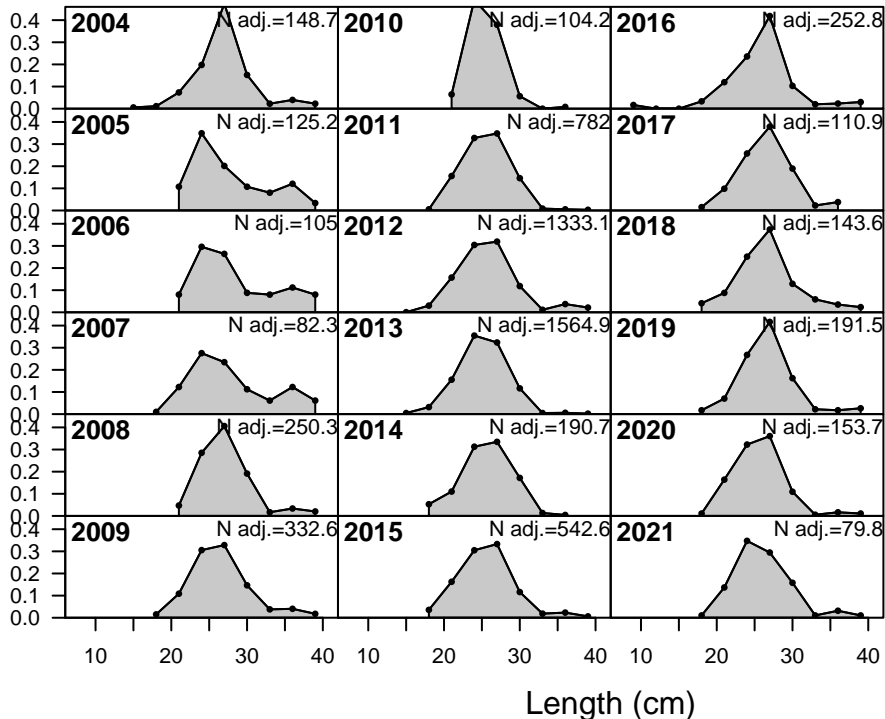


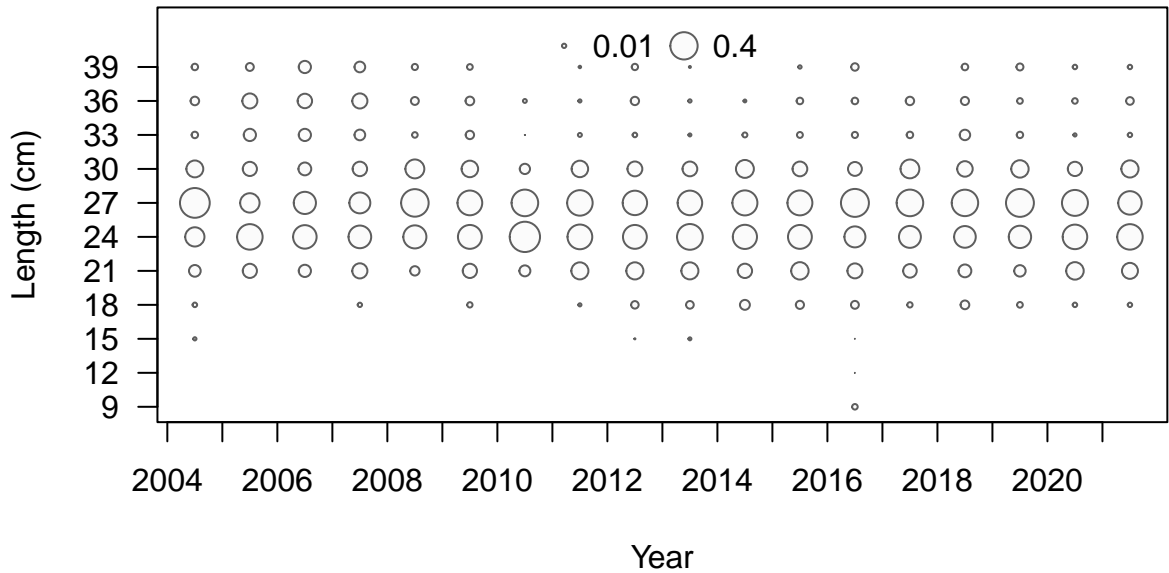
Numbers at age at equilibrium



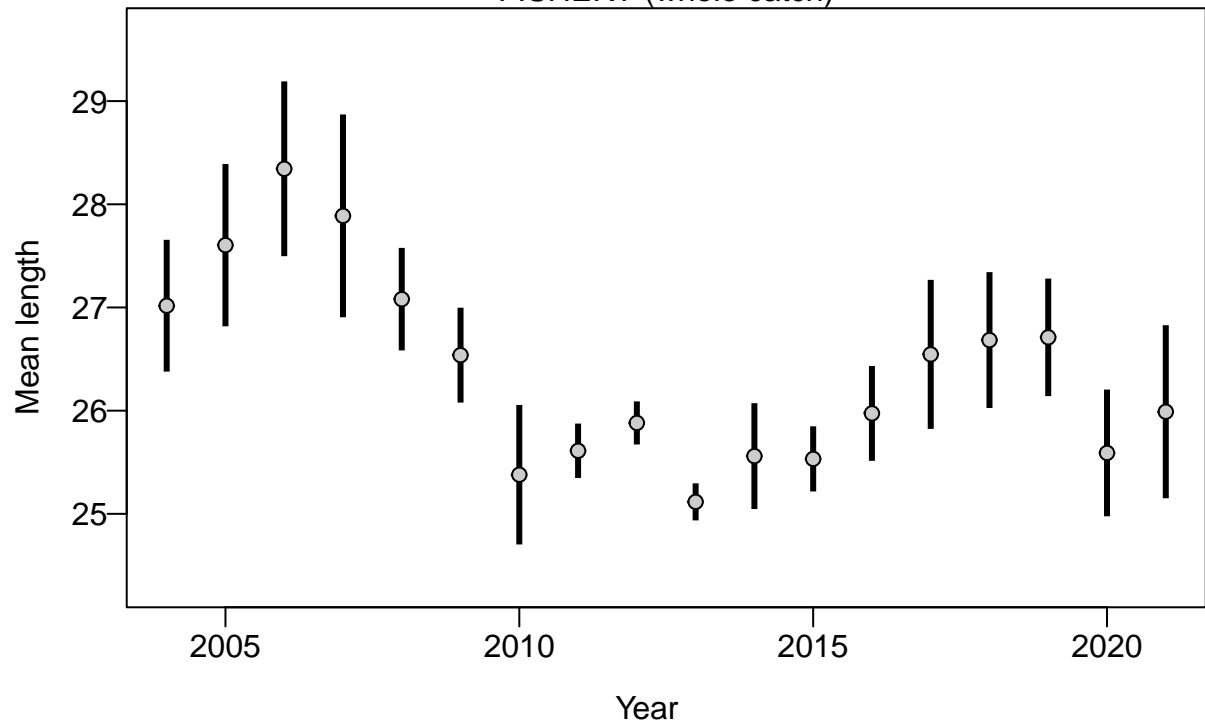






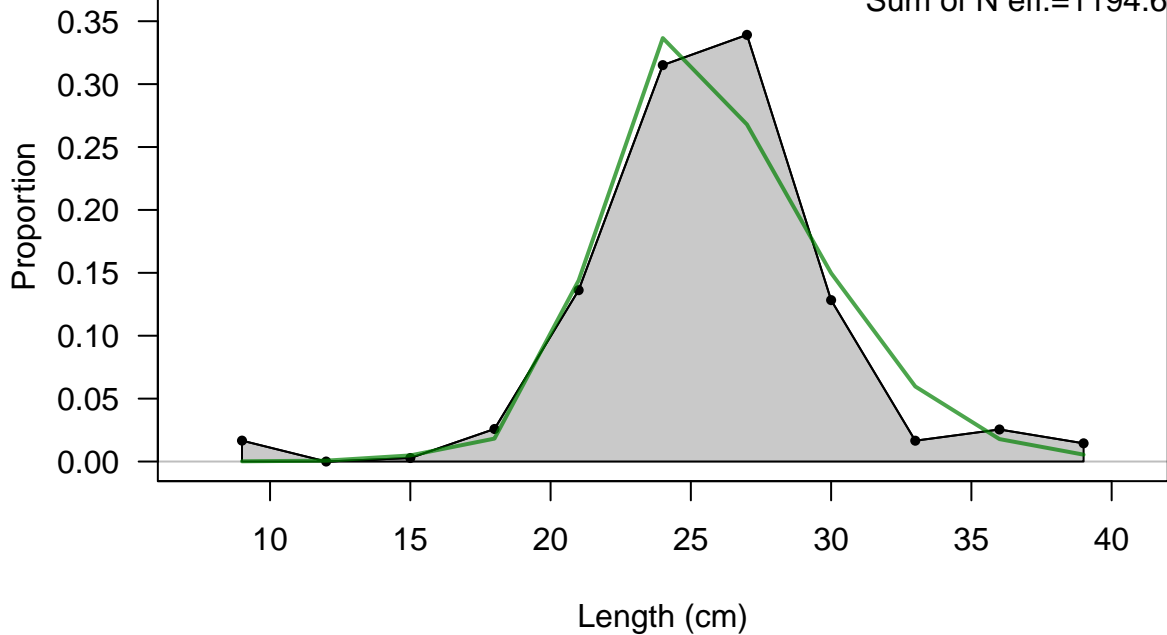


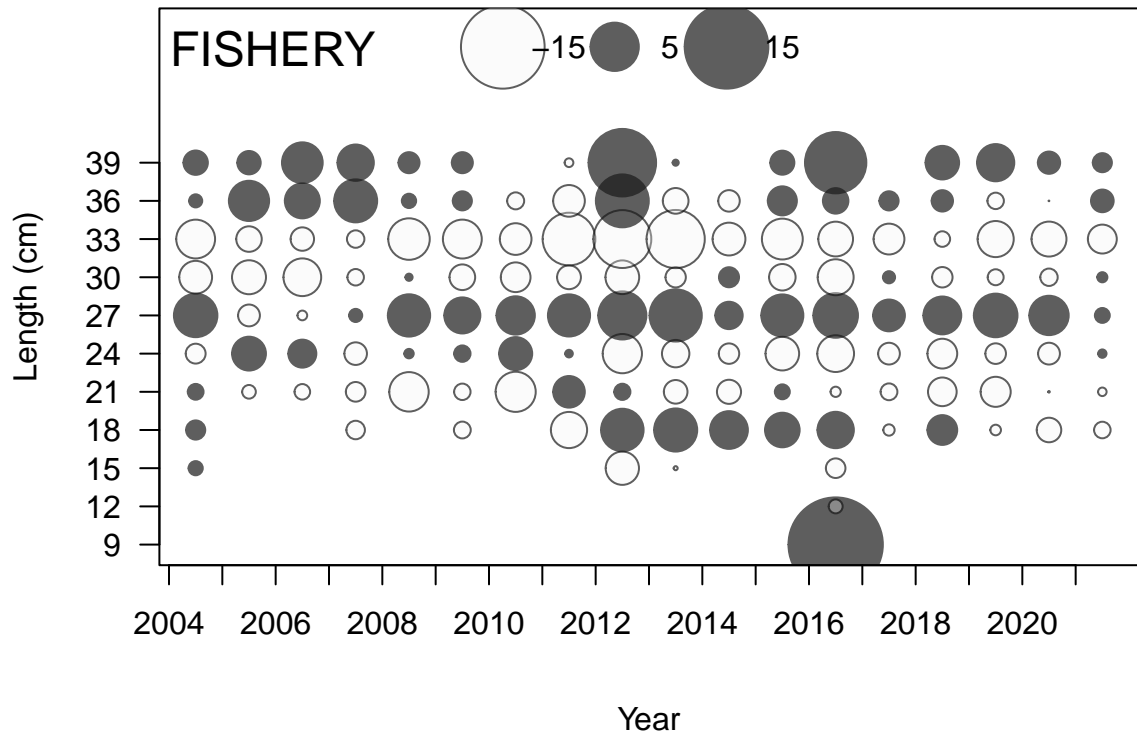
## FISHERY (whole catch)



# FISHERY

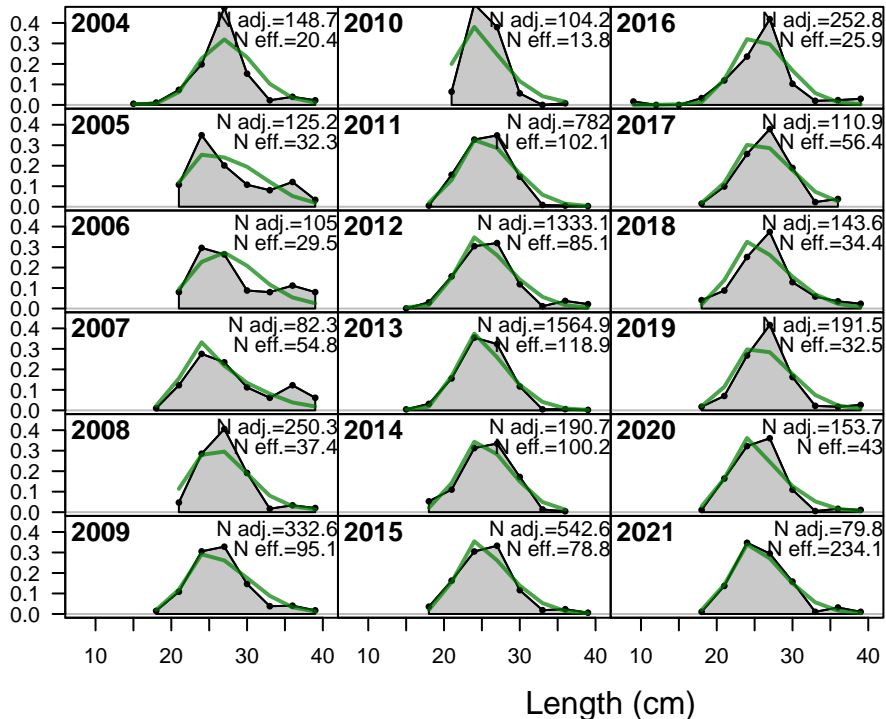
Sum of N adj.=6494  
Sum of N eff.=1194.6



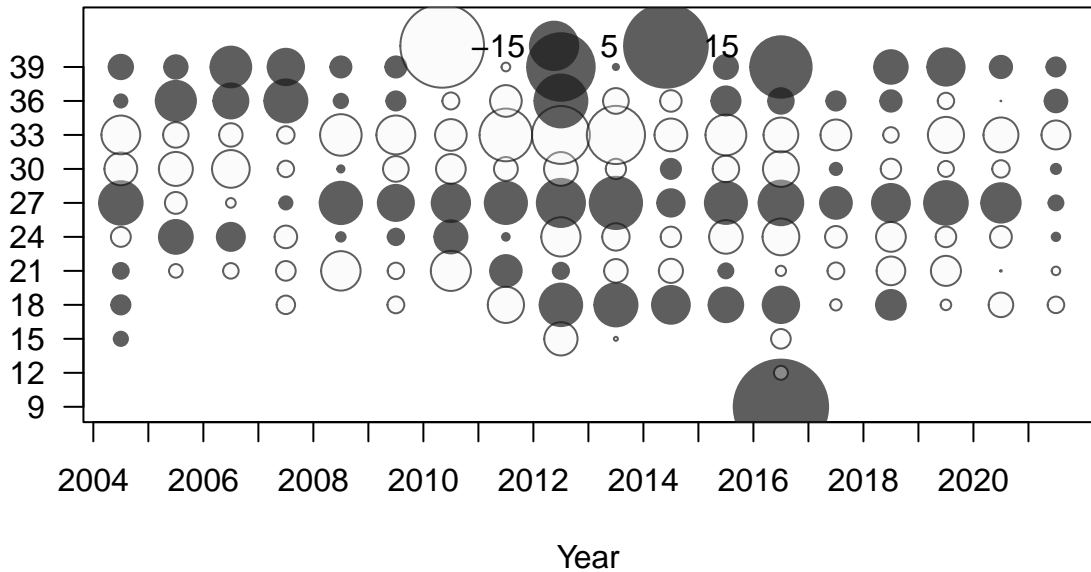




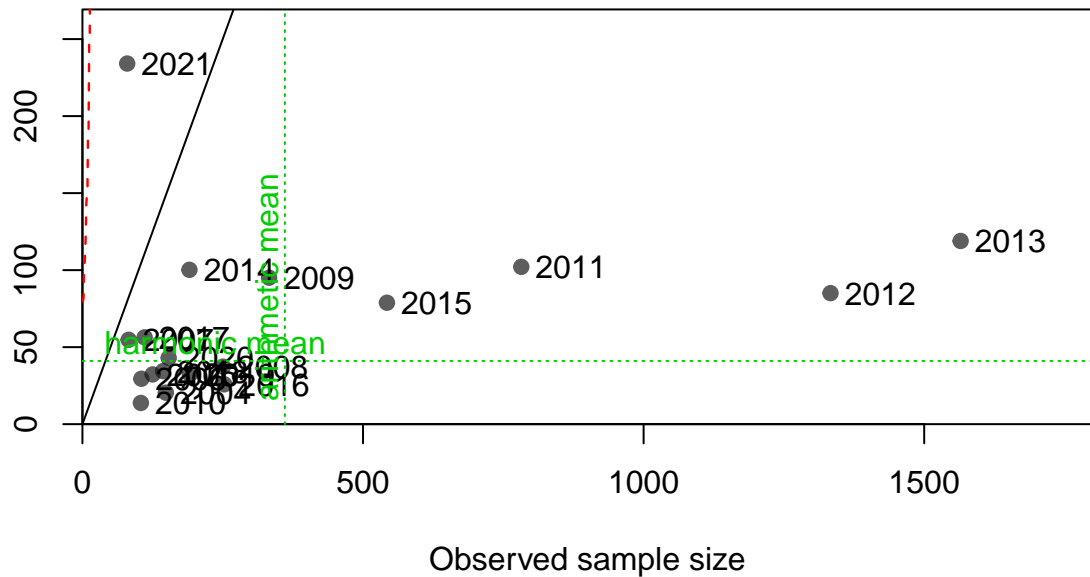
Proportion



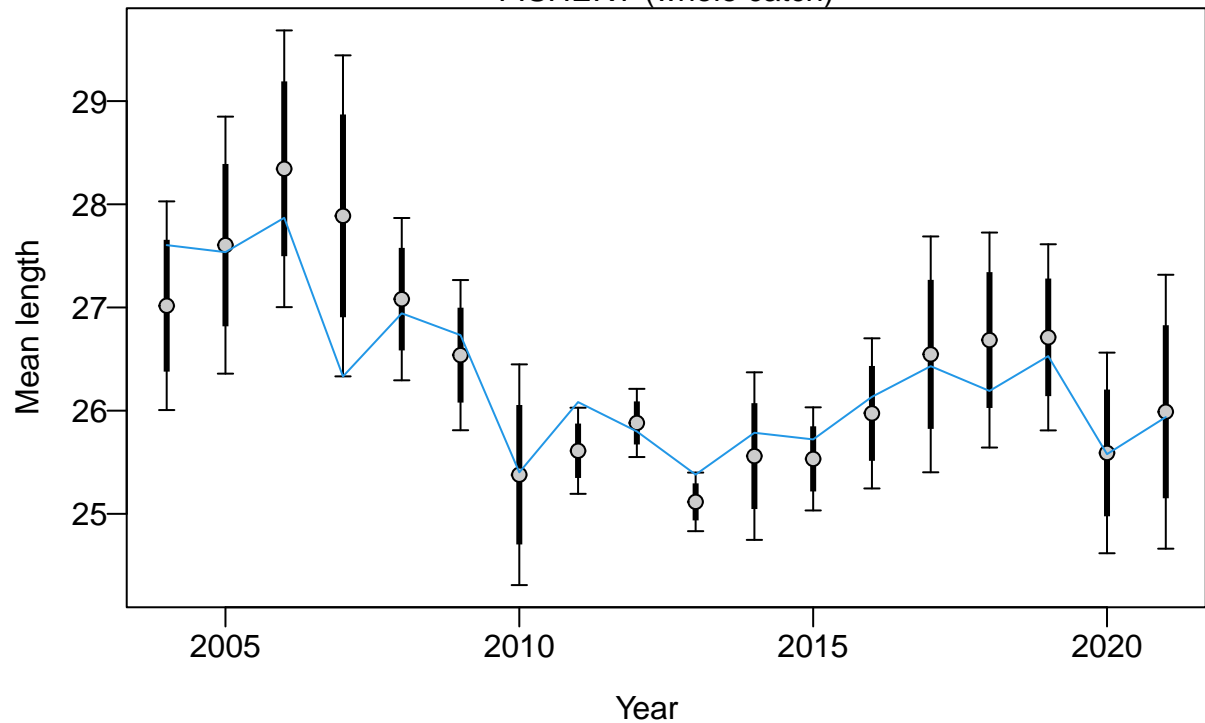
Length (cm)

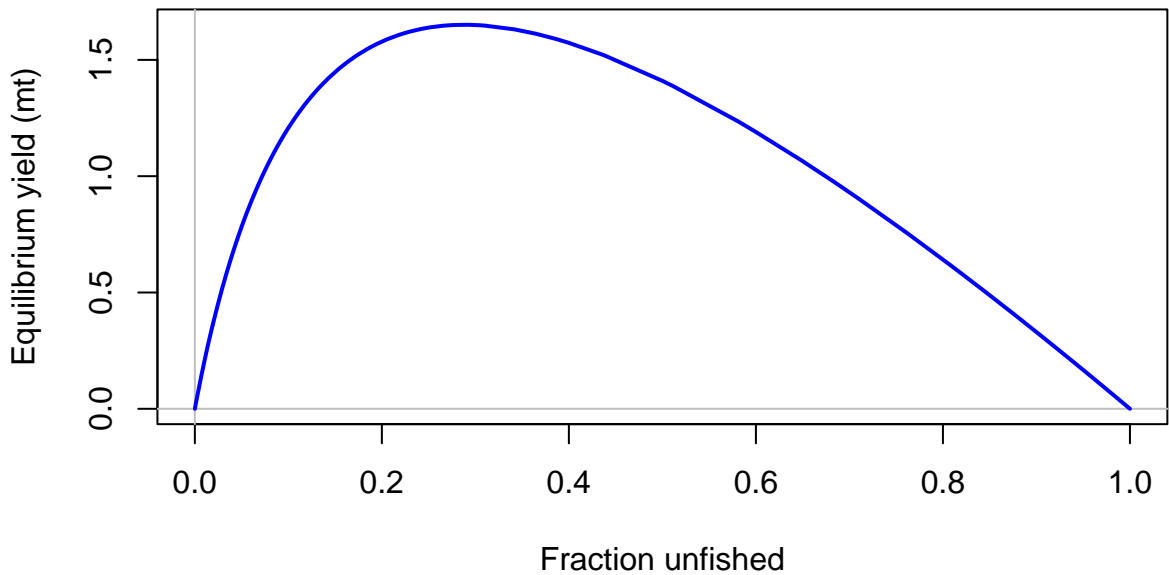


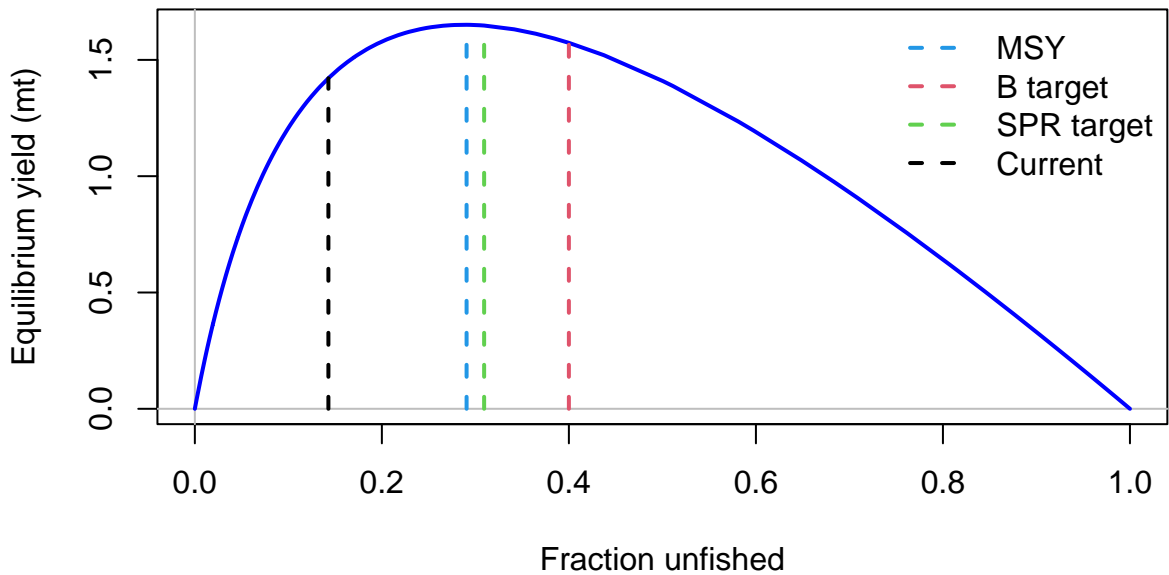
Effective sample size



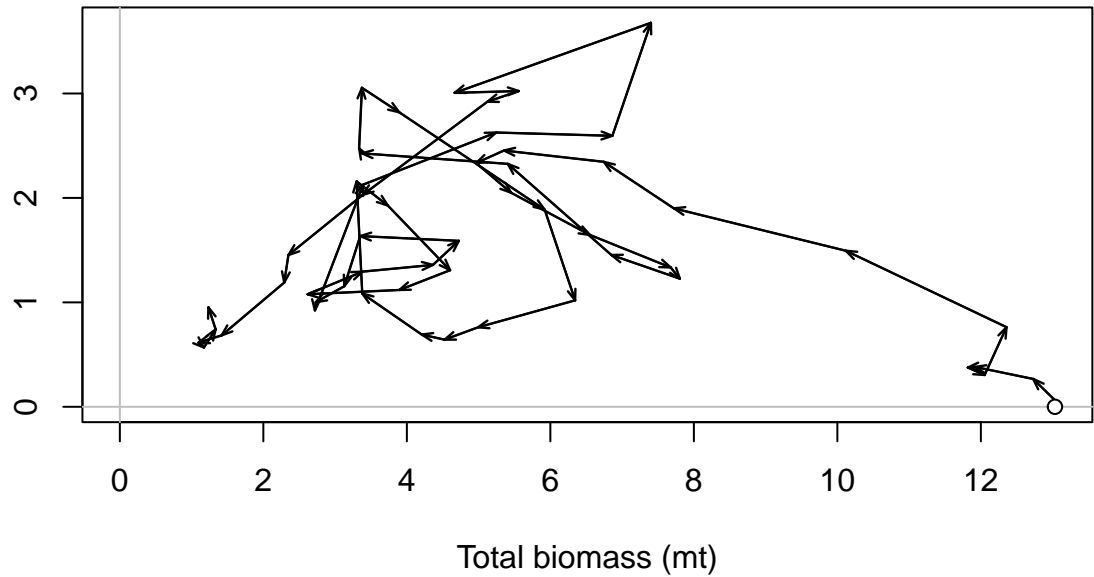
## FISHERY (whole catch)

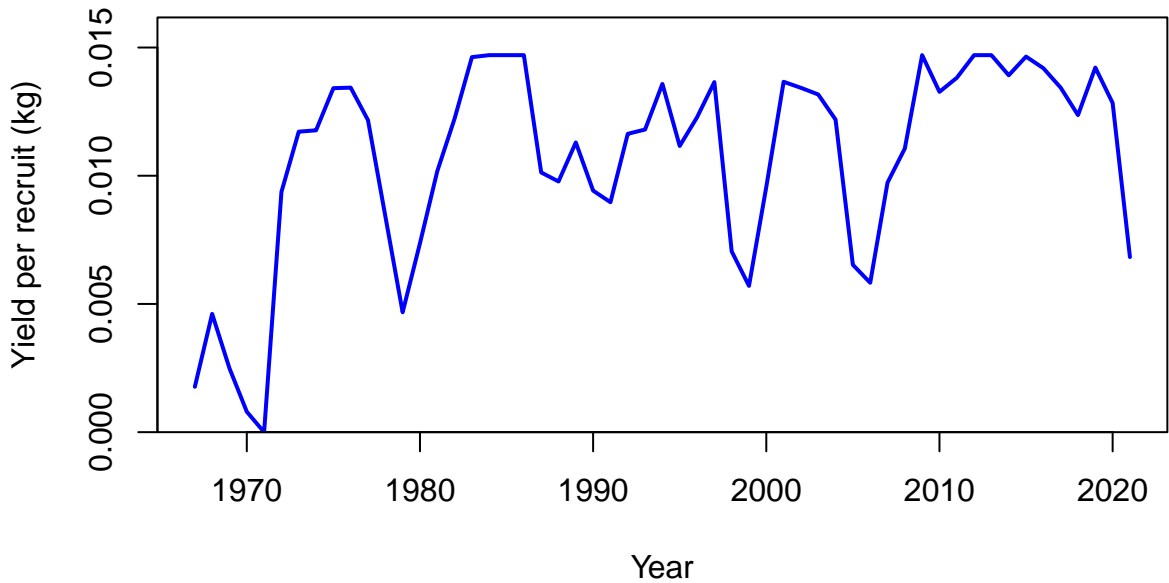




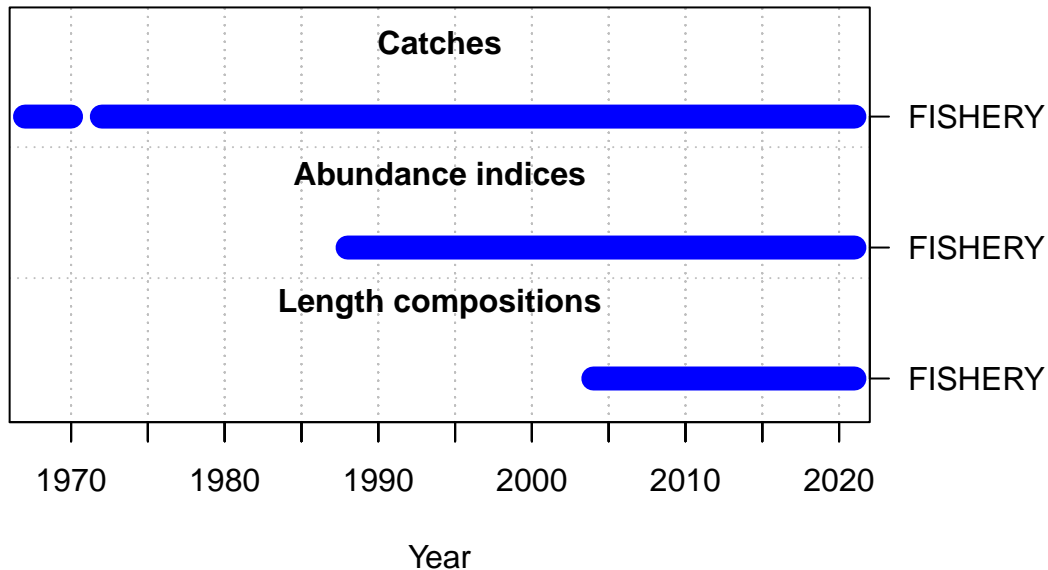


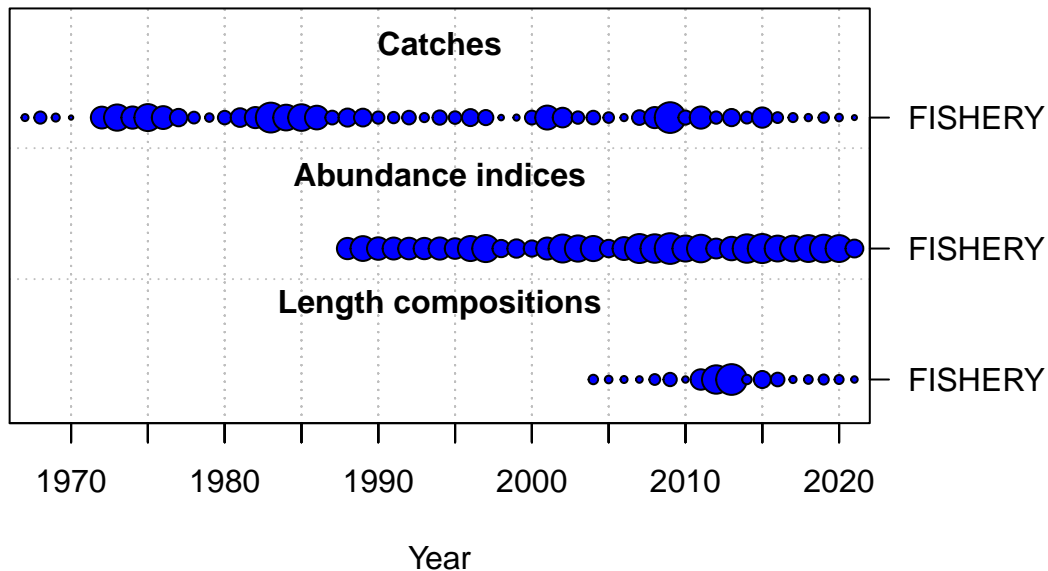
Surplus production (mt)











Density

