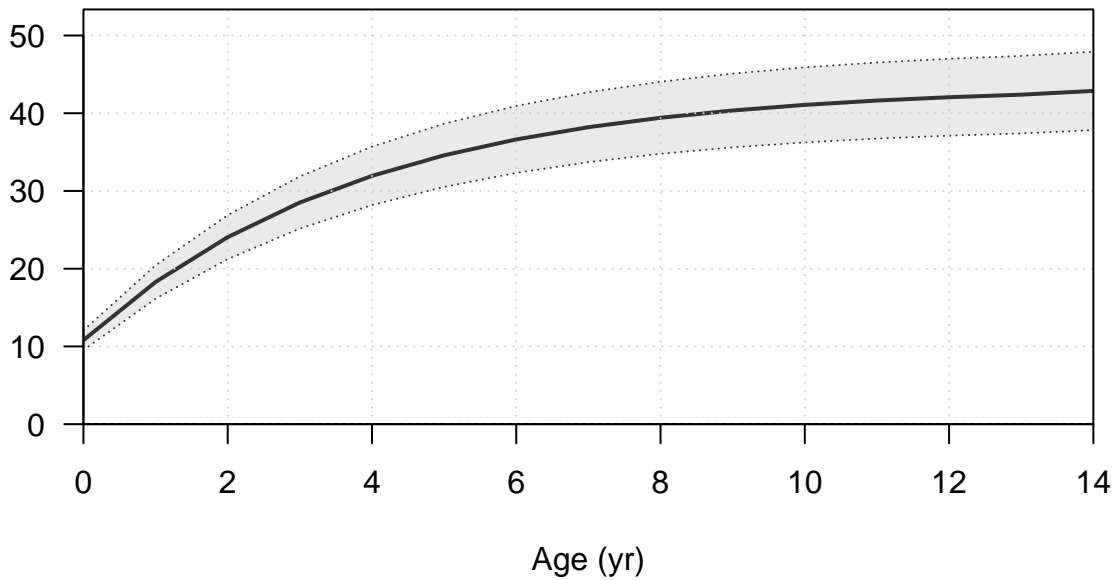
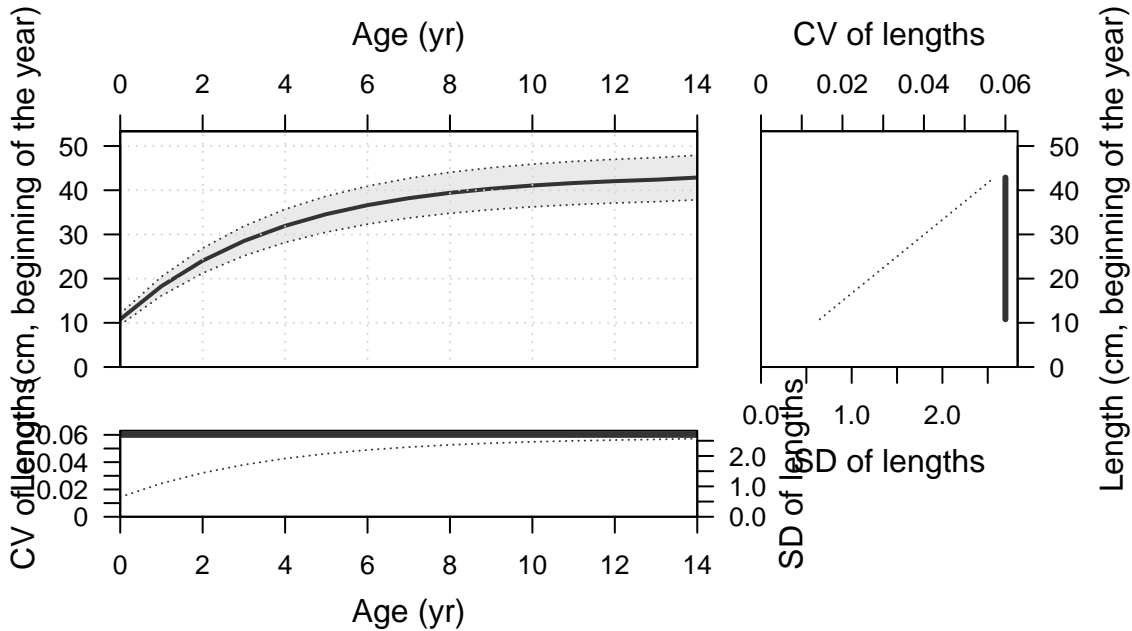
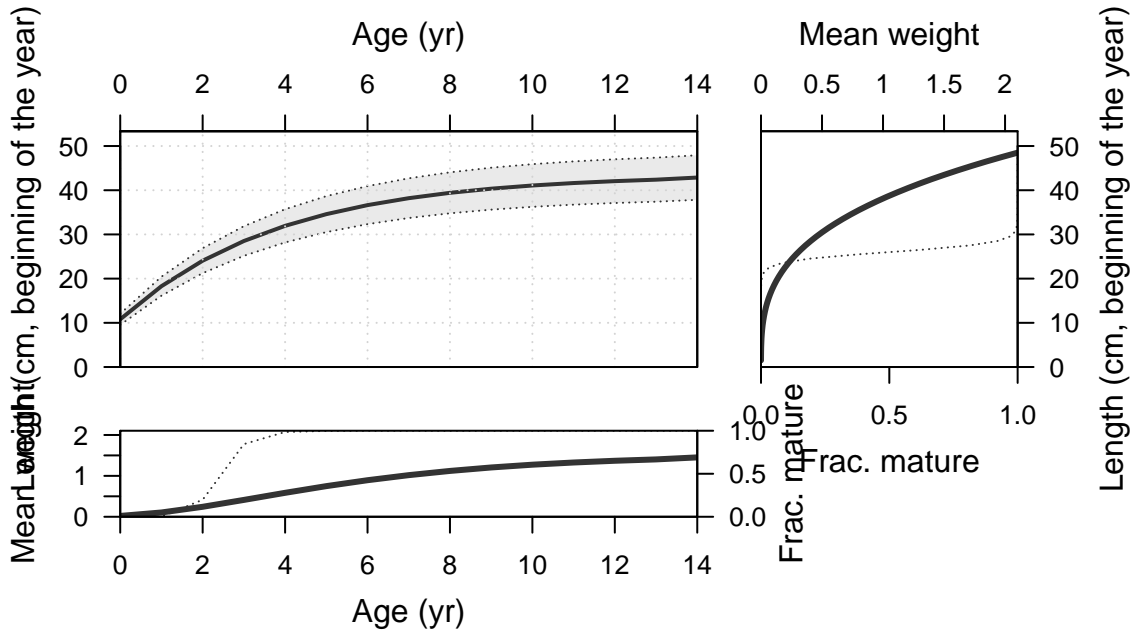


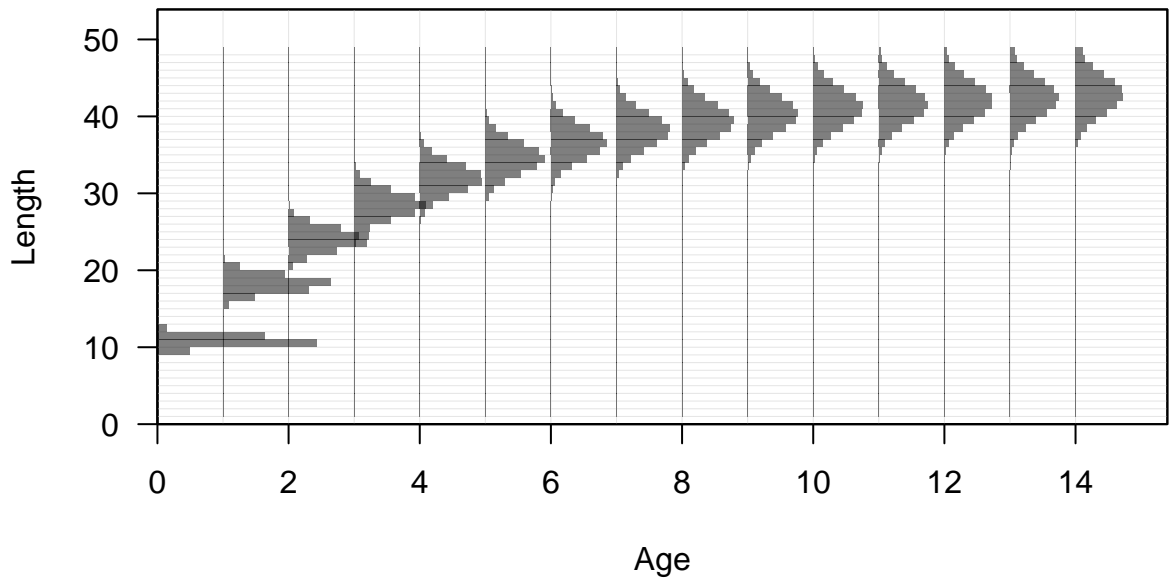
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Wed Jul 20 08:40:59 2022  
Data\_File: data.ss  
Control\_File: control.ss

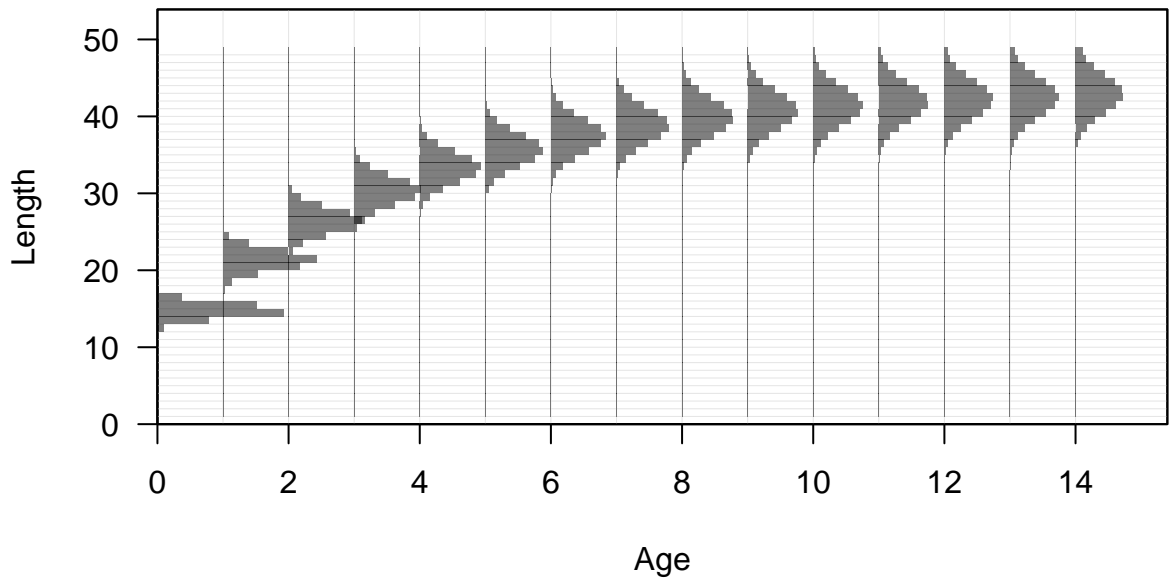
Length (cm, beginning of the year)

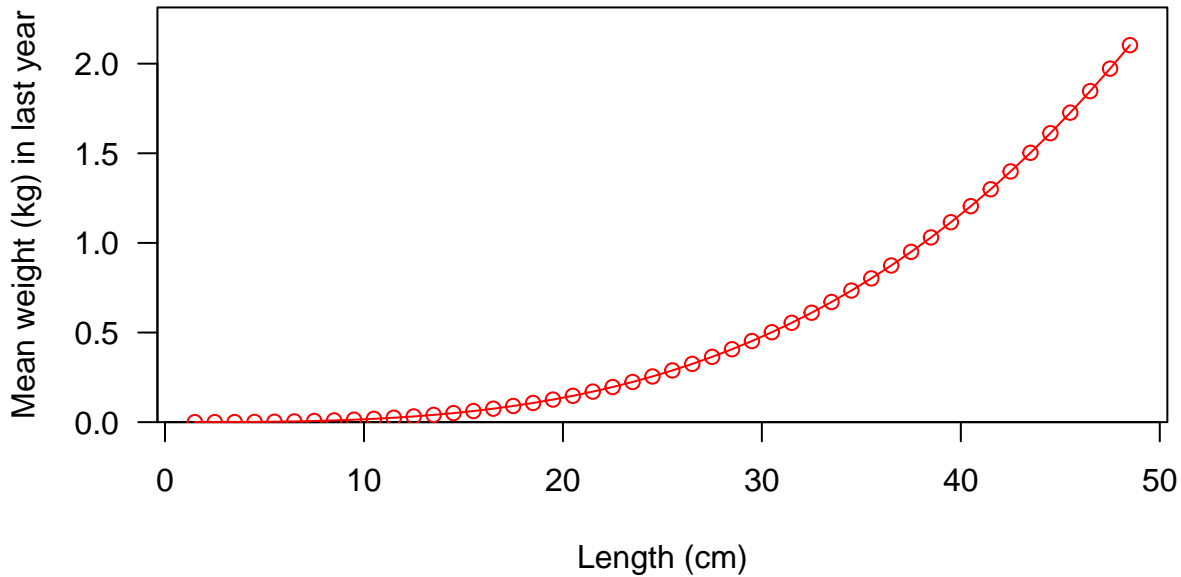


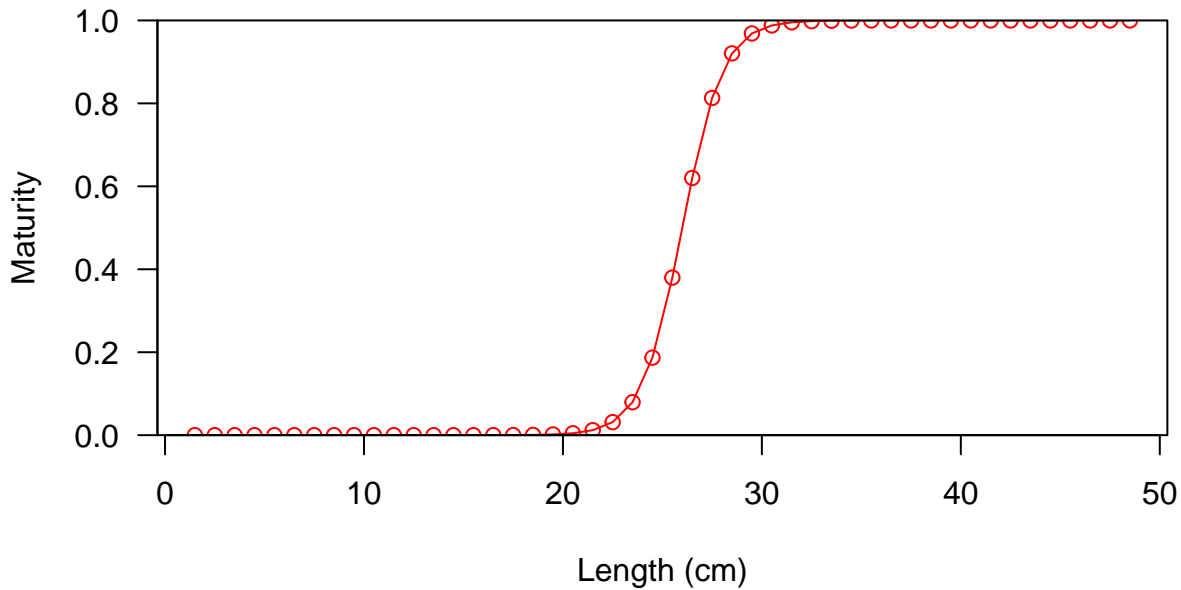




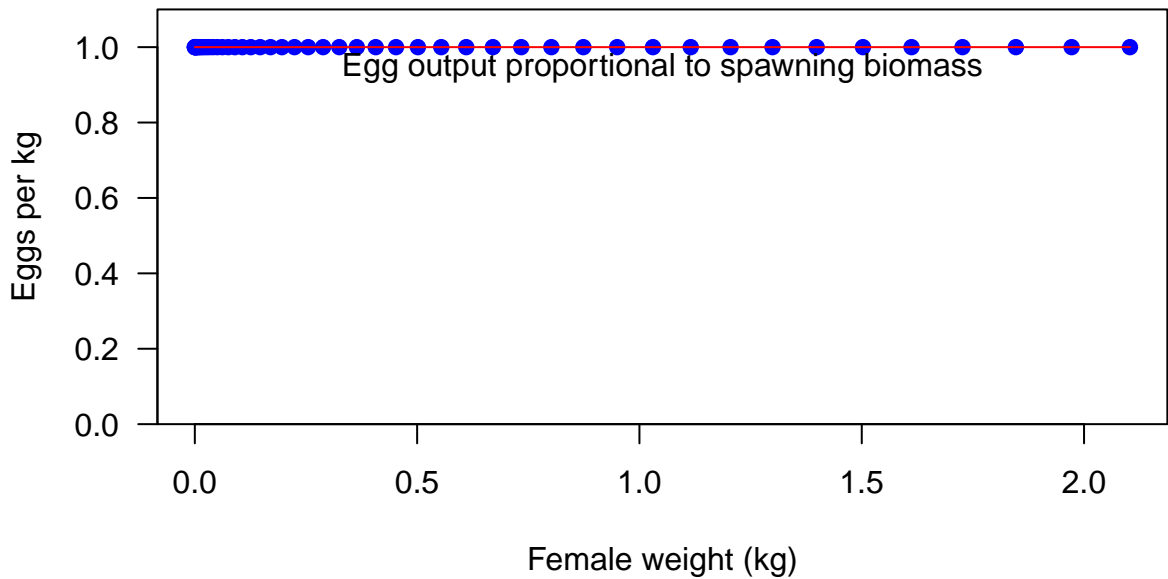


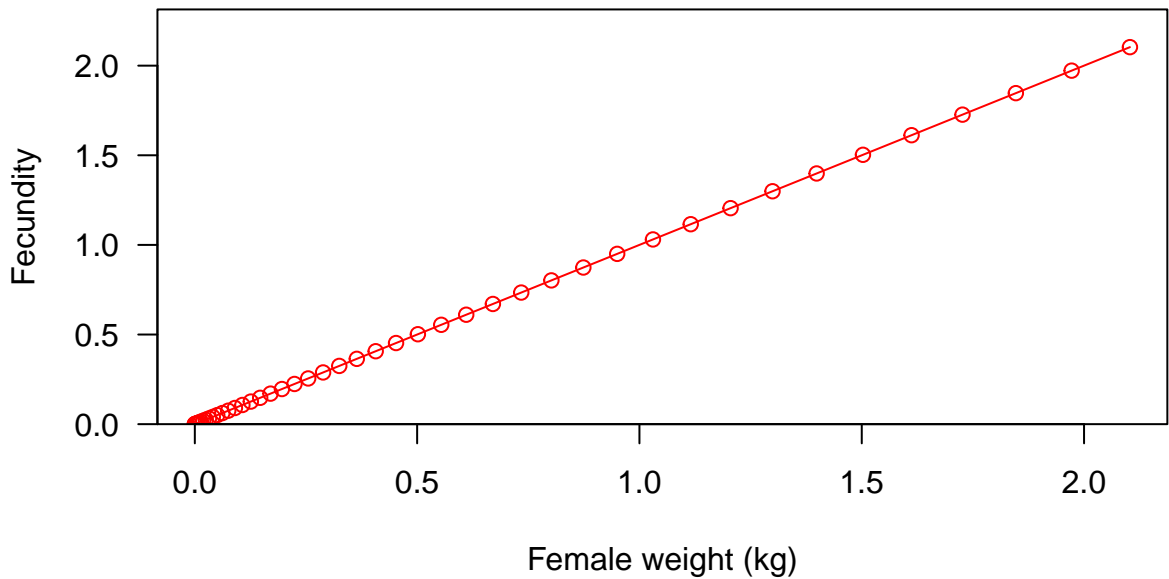


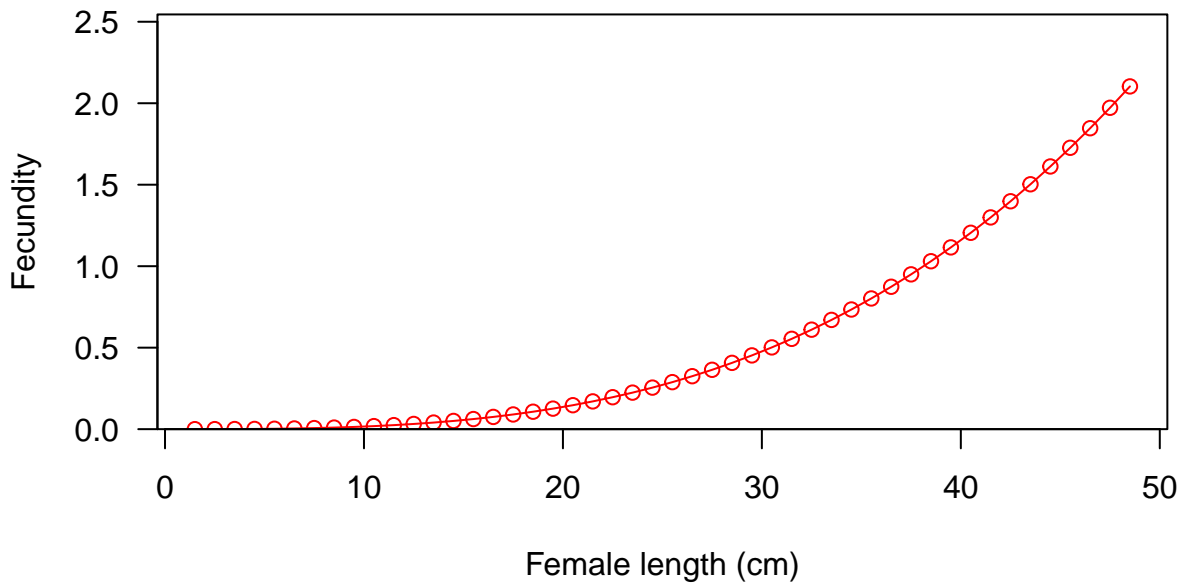


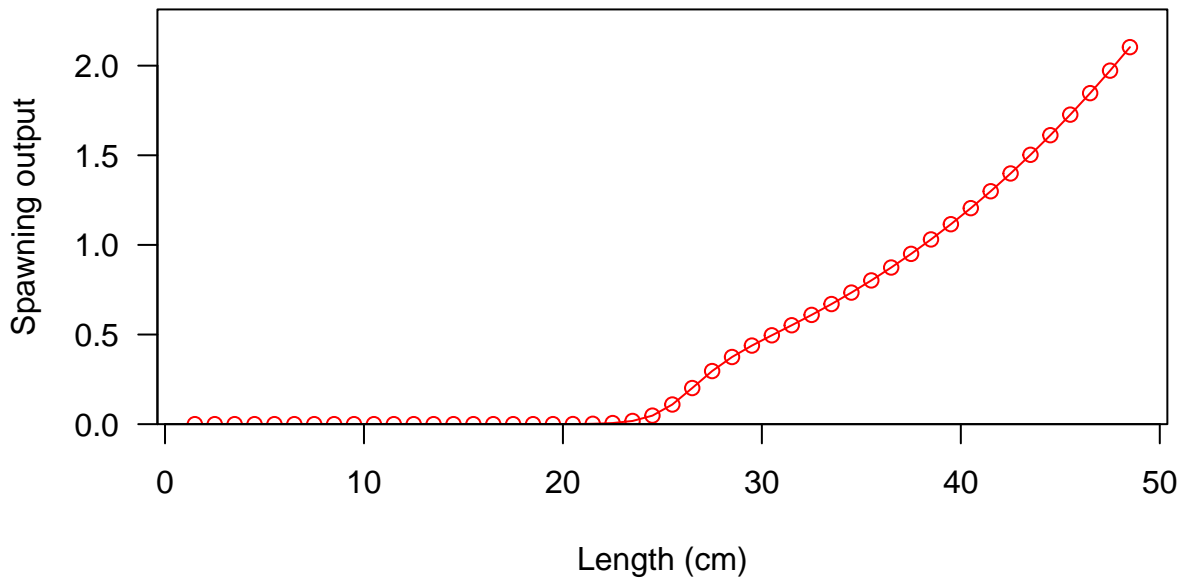


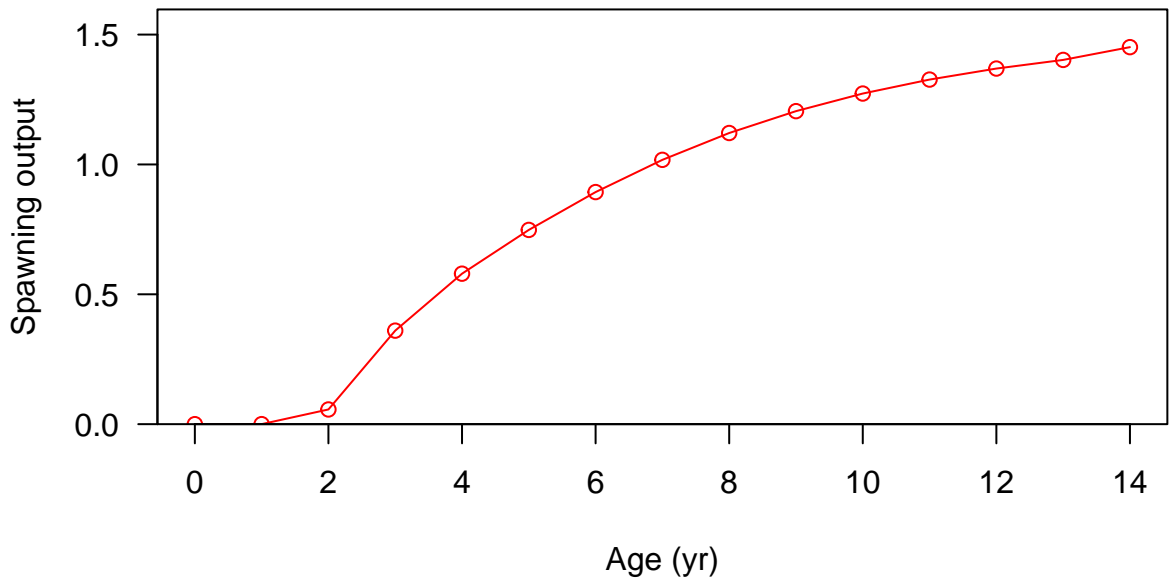




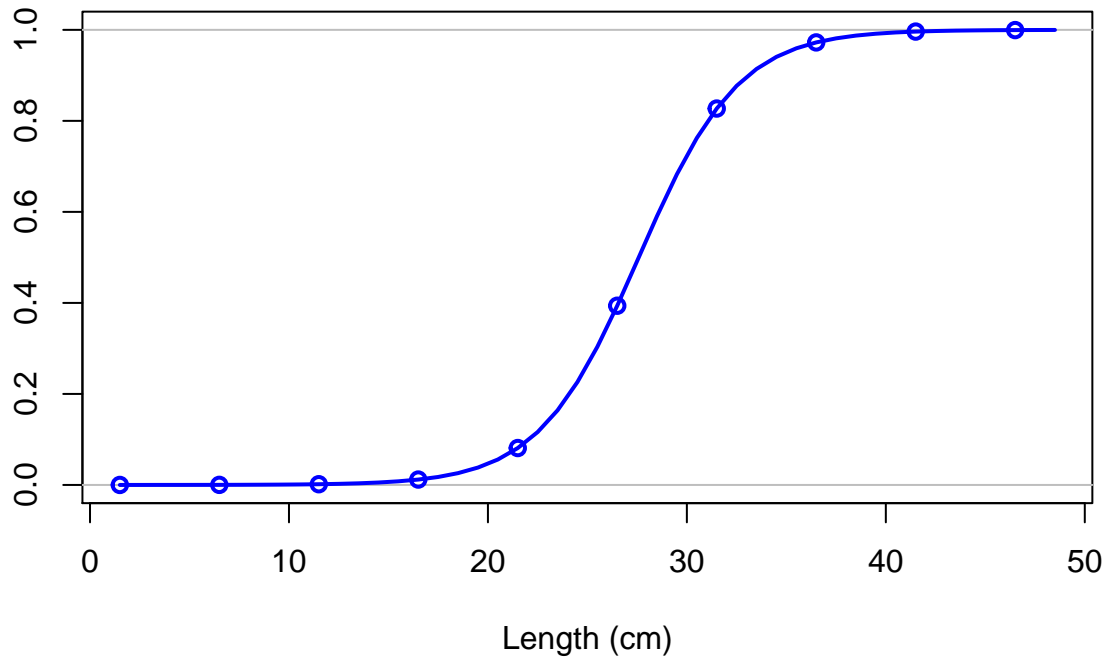




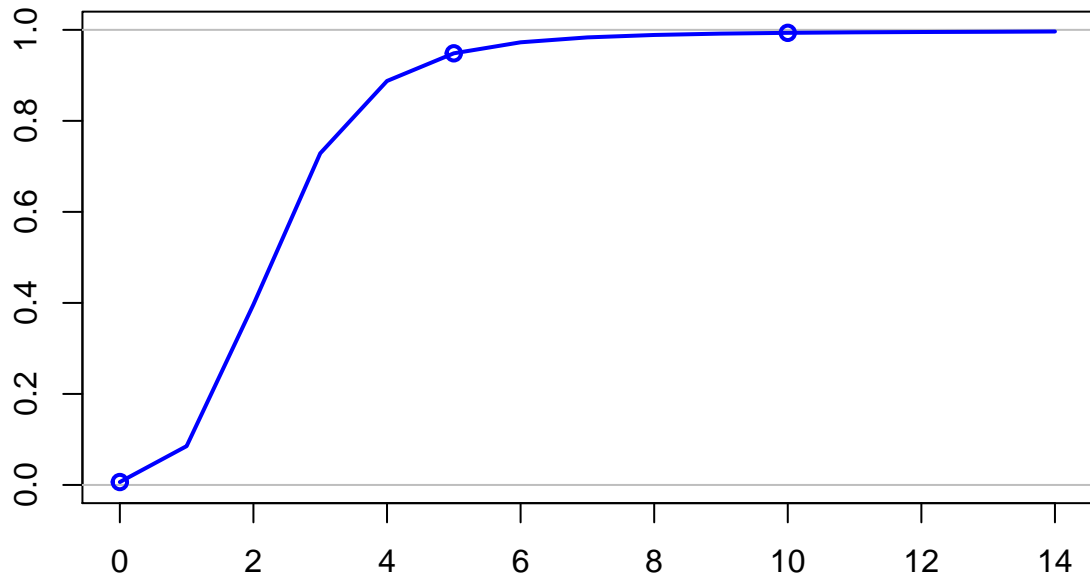




Selectivity

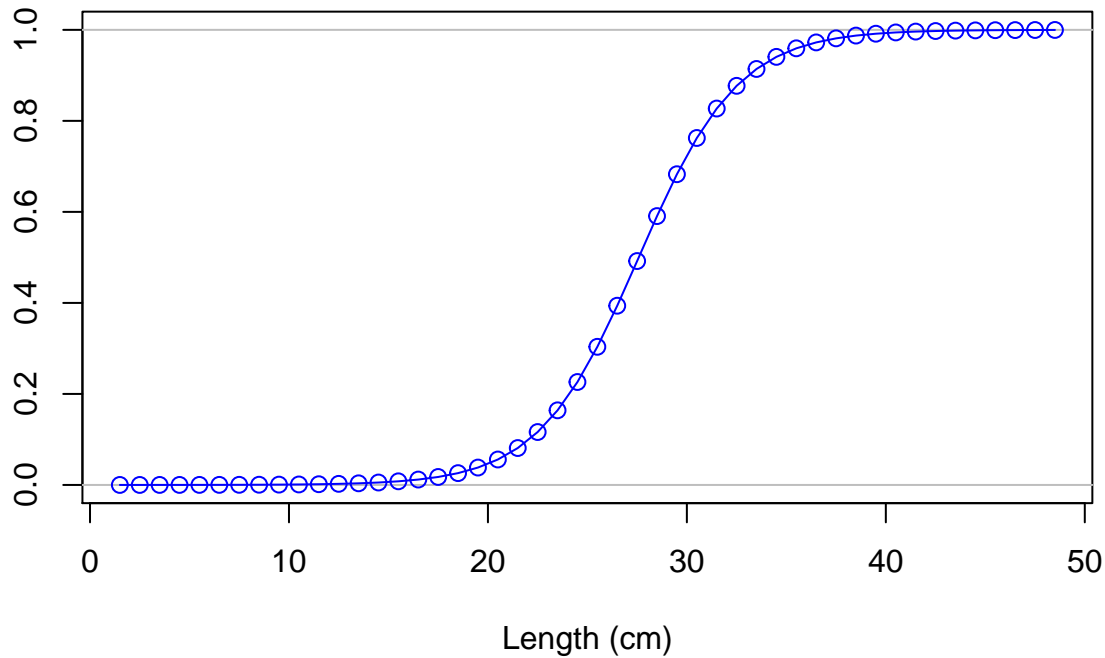


Selectivity

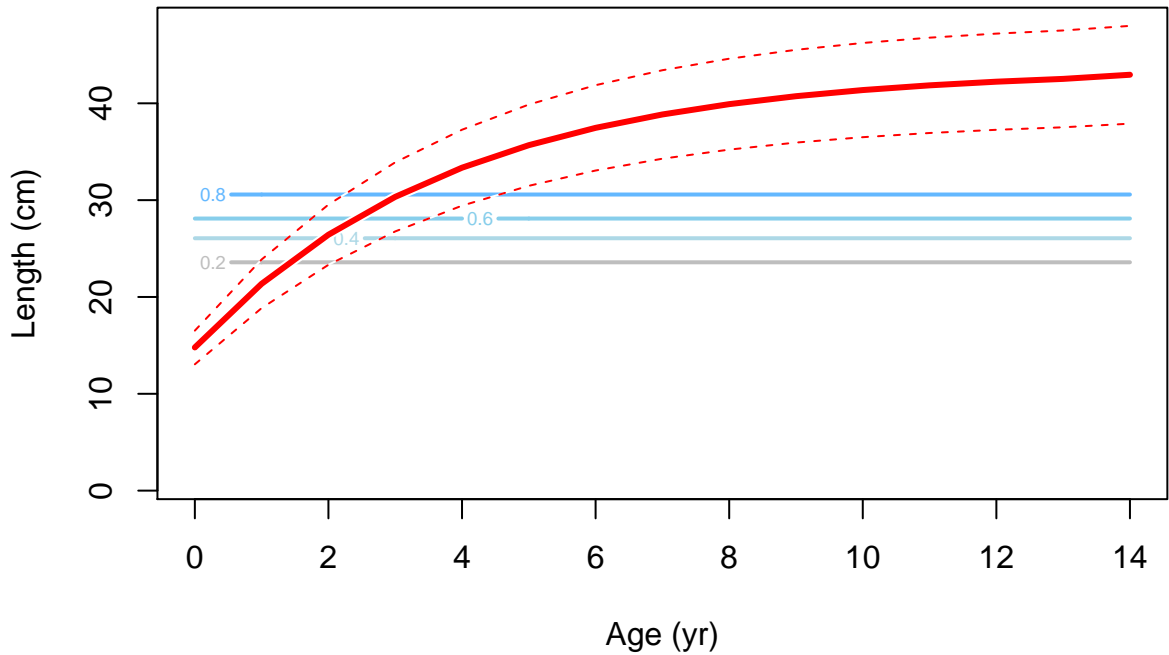


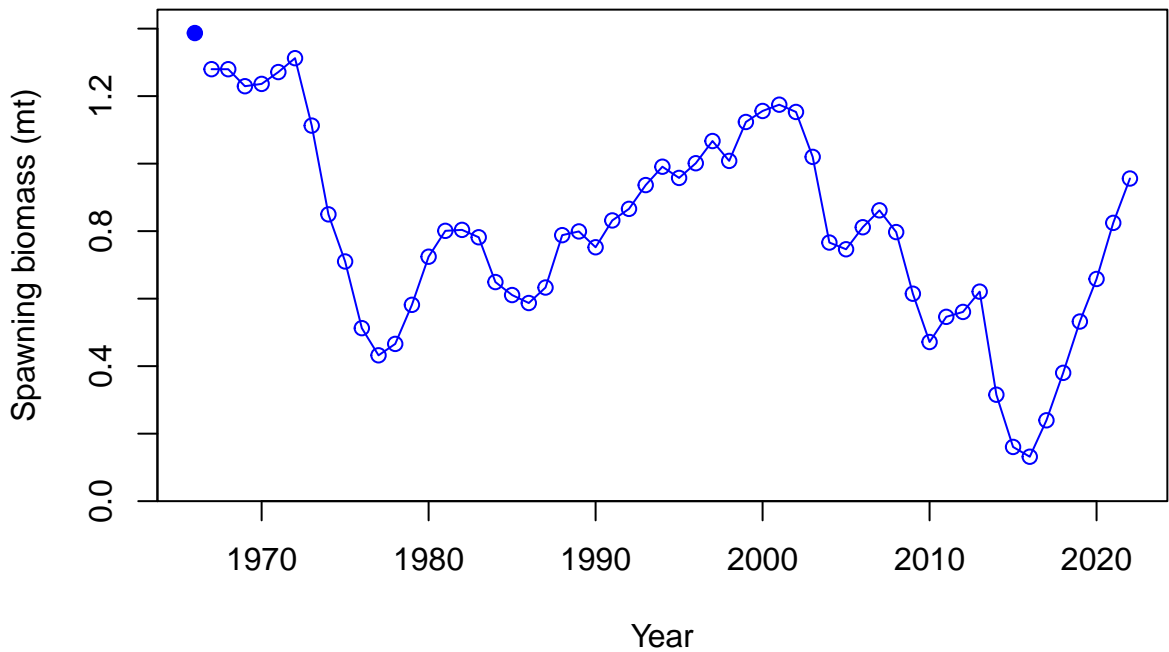
Age (yr)

Selectivity

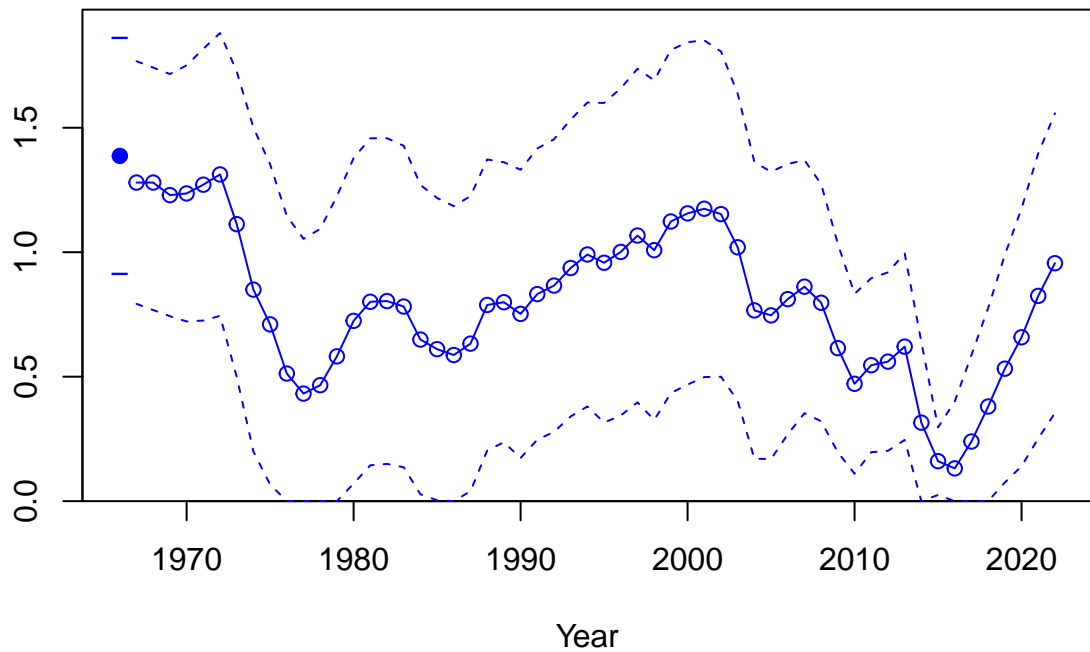




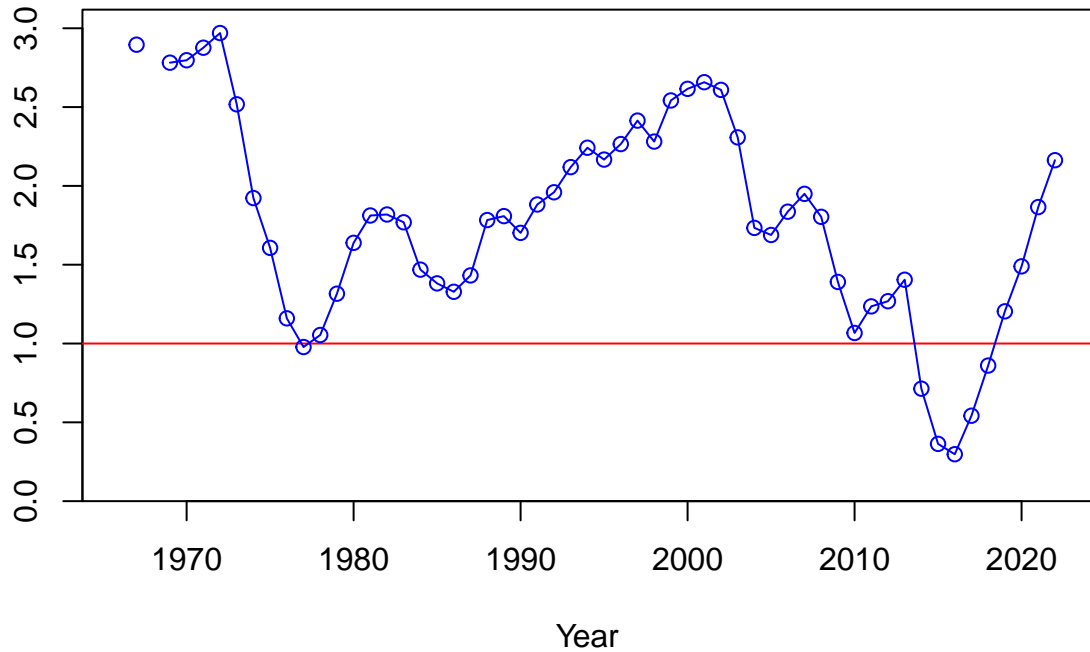




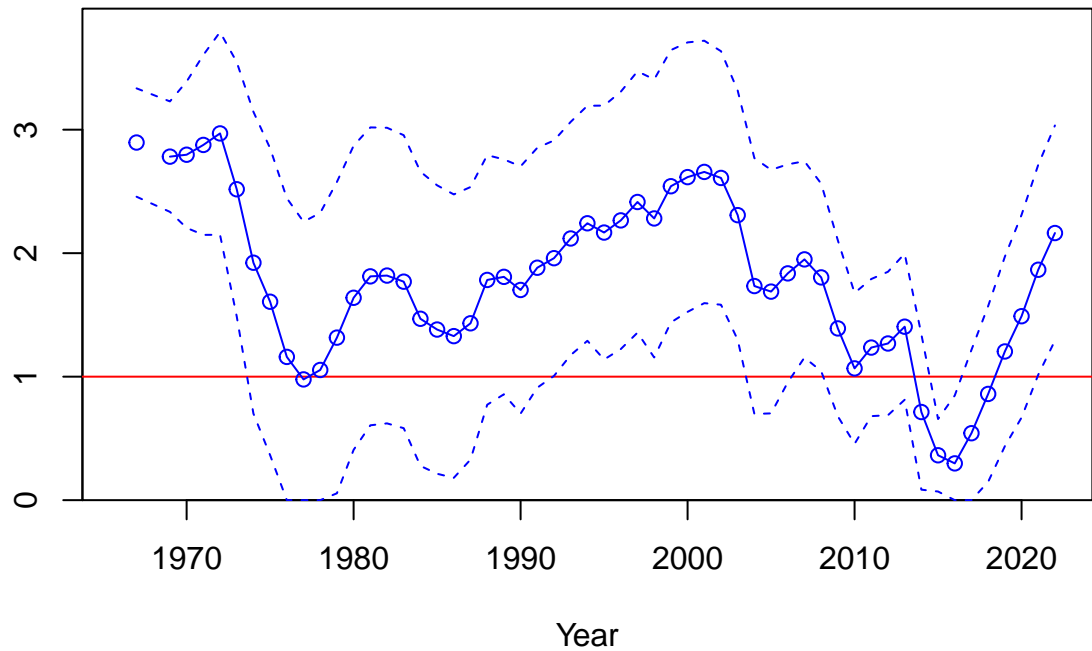
Spawning biomass (mt)

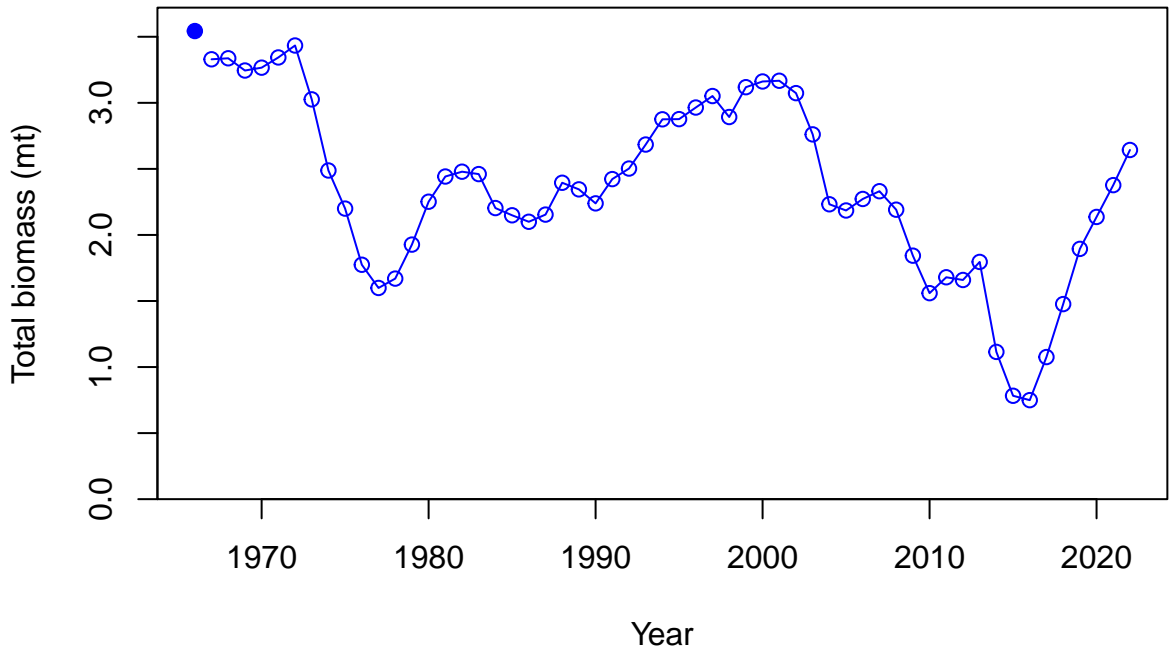


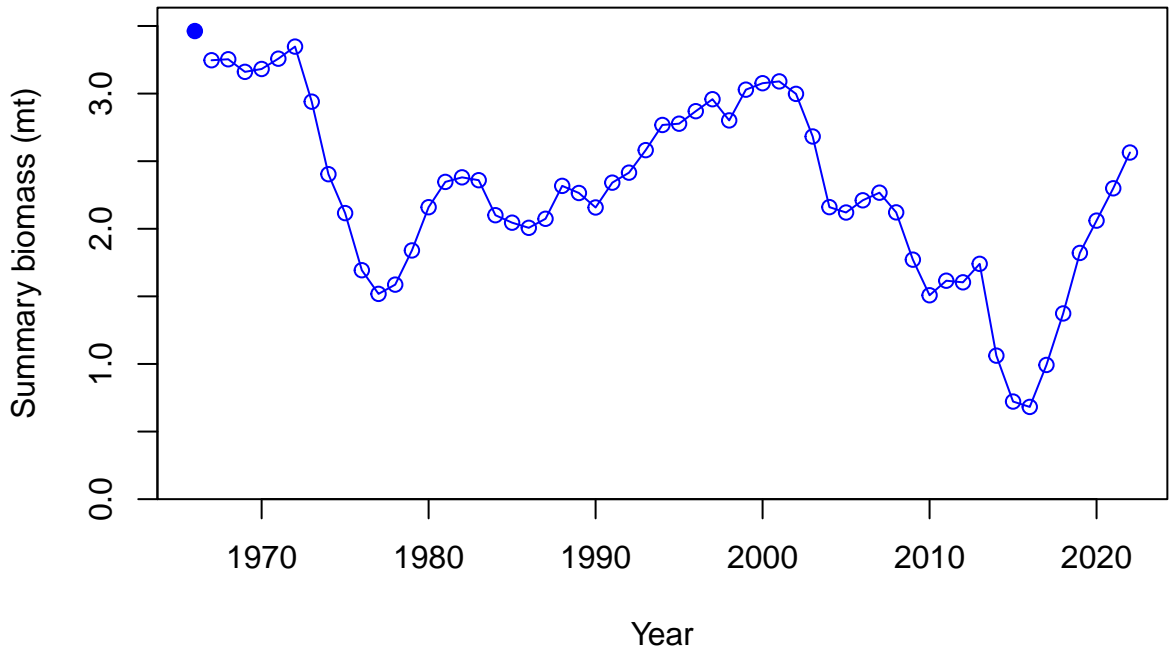
Relative spawning biomass: B/B\_MSY



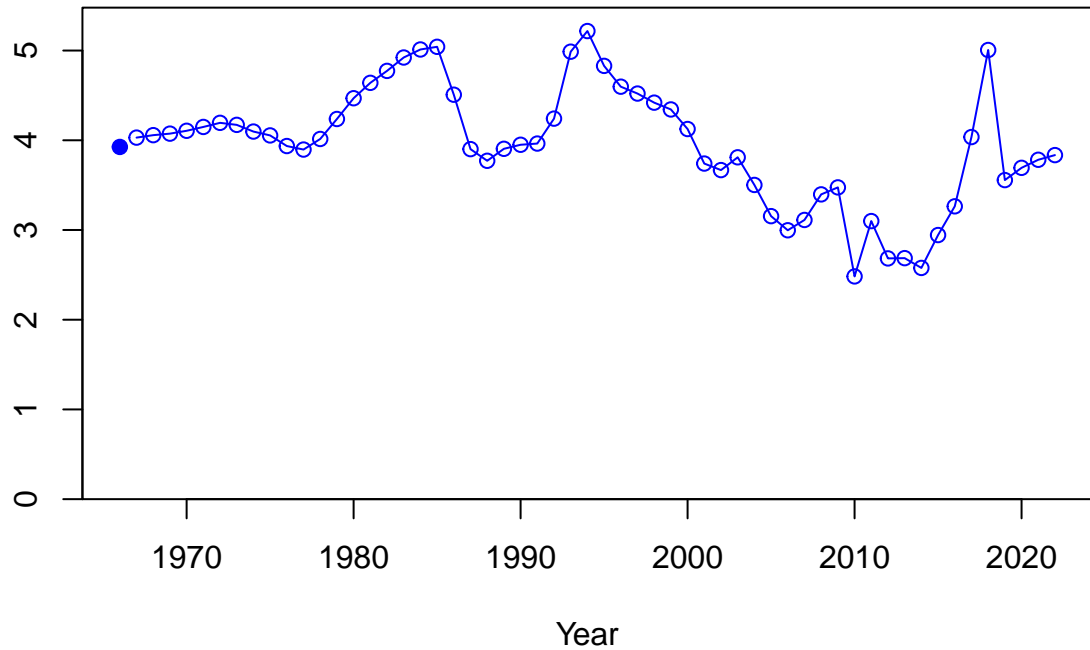
Relative spawning biomass:  $B/B_{MSY}$





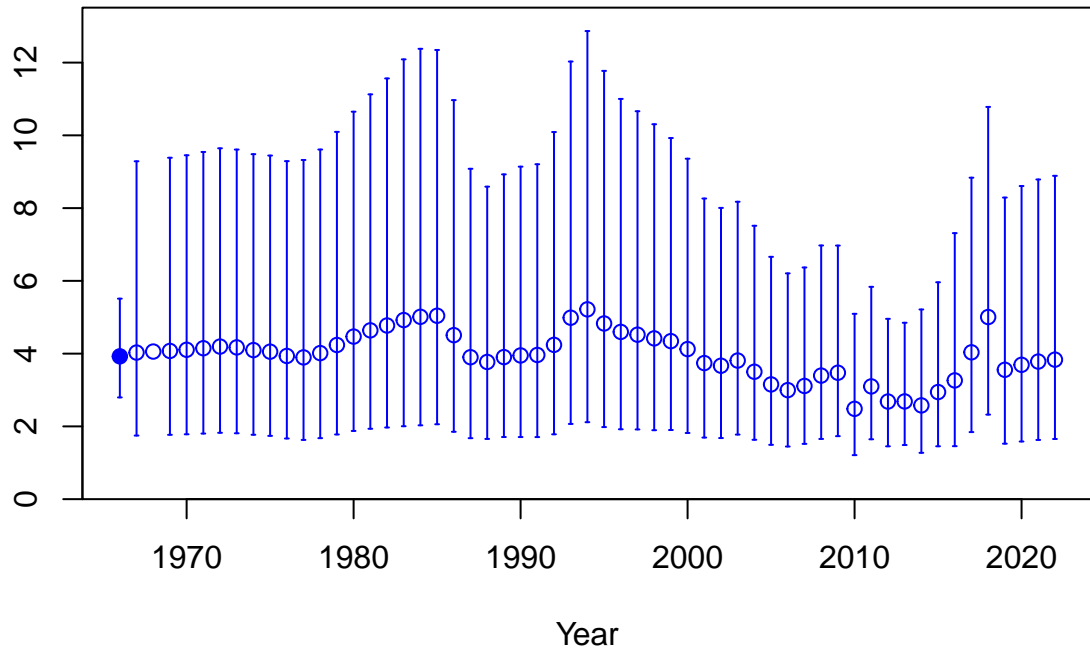


Age-0 recruits (1,000s)

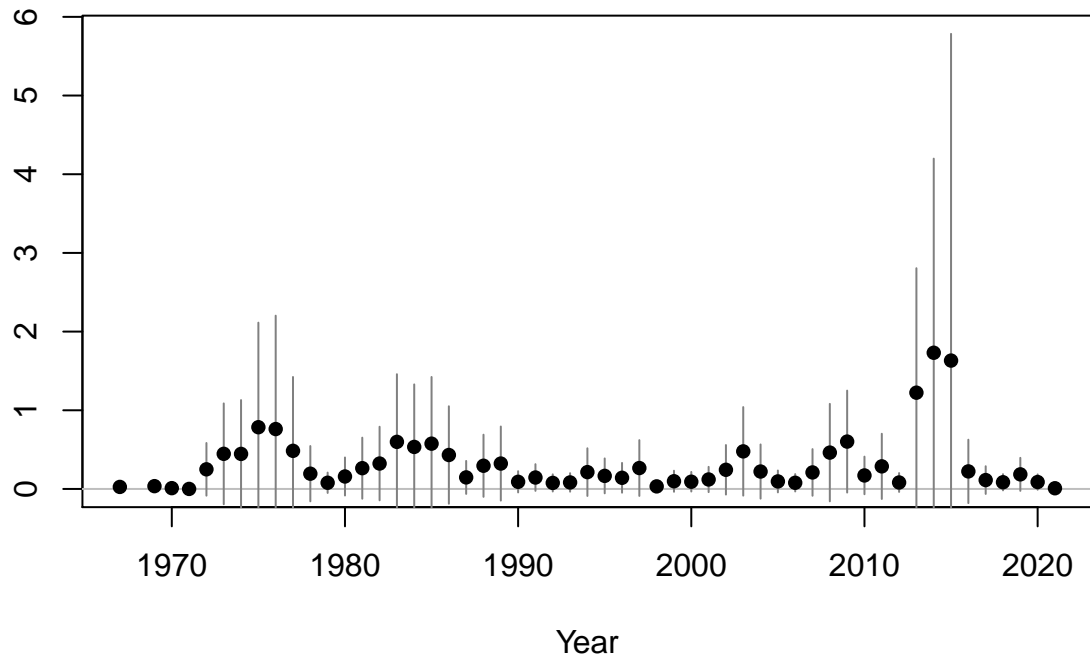


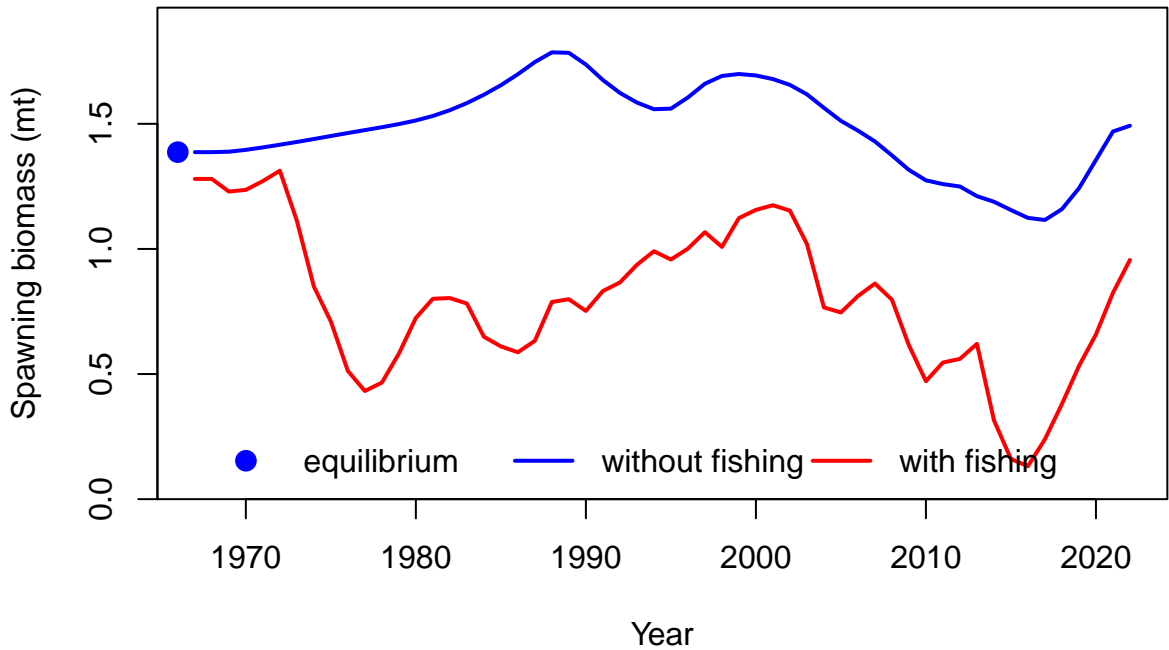


Age-0 recruits (1,000s)

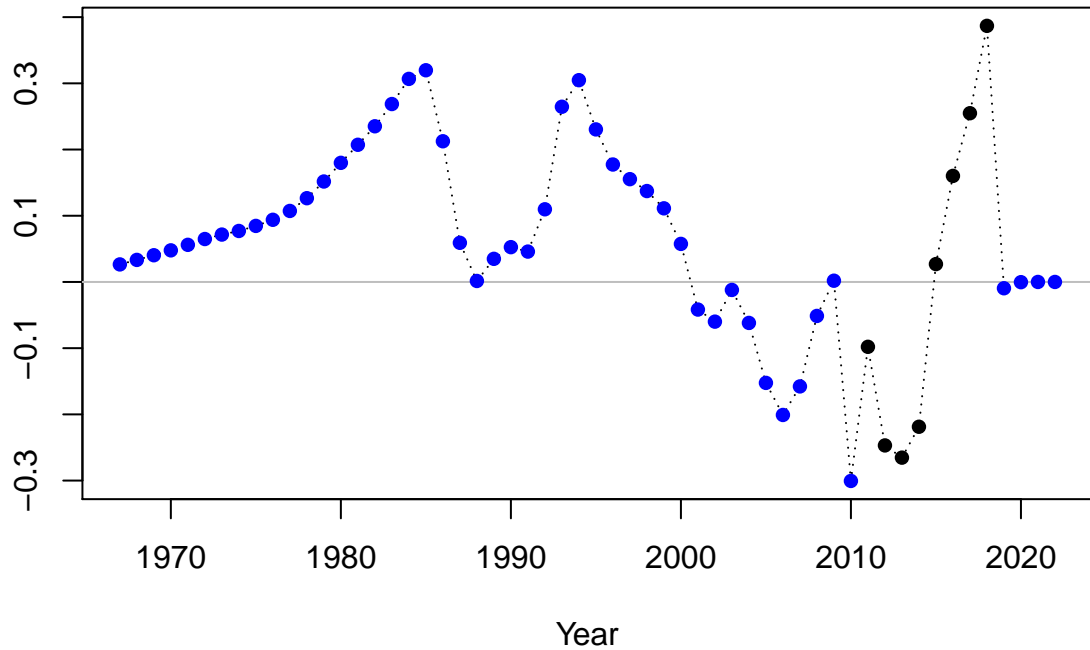


Summary Fishing Mortality

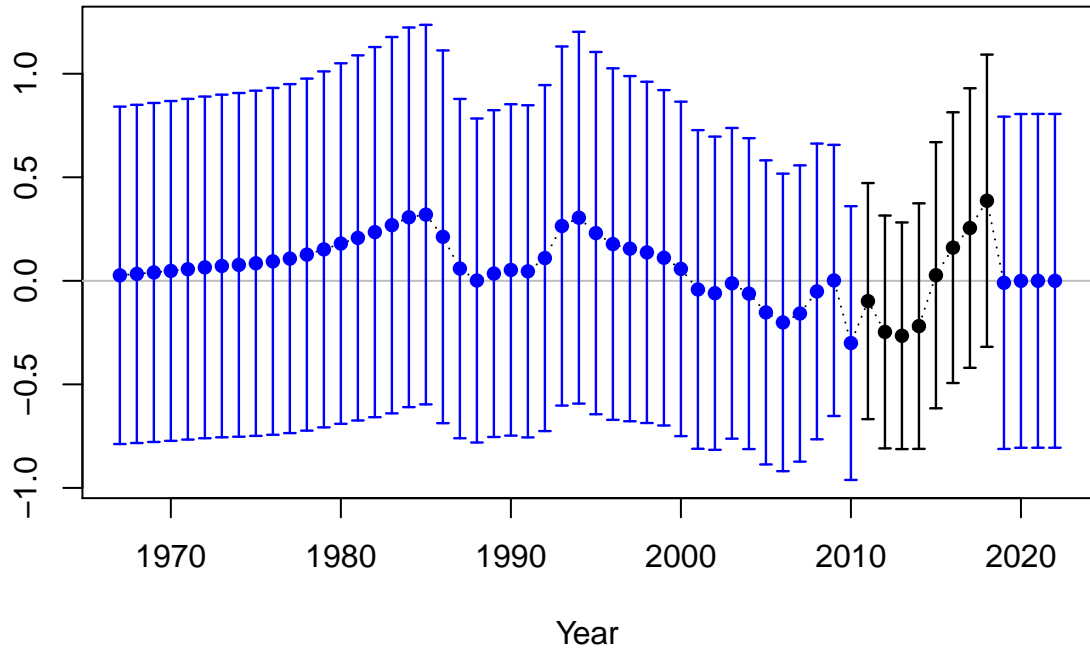




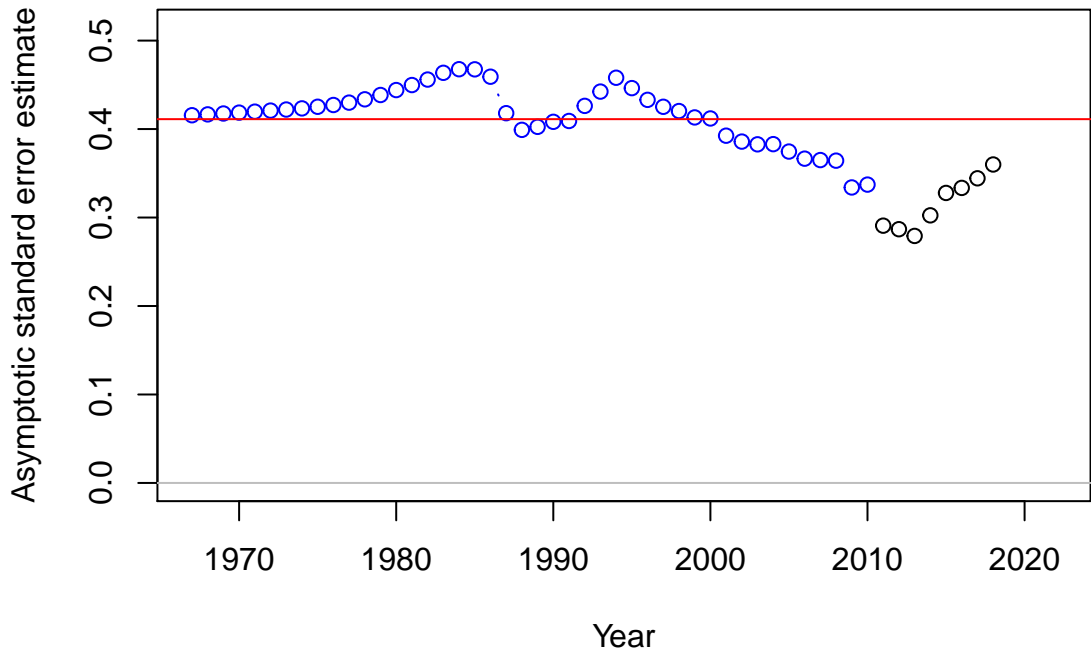
Log recruitment deviation

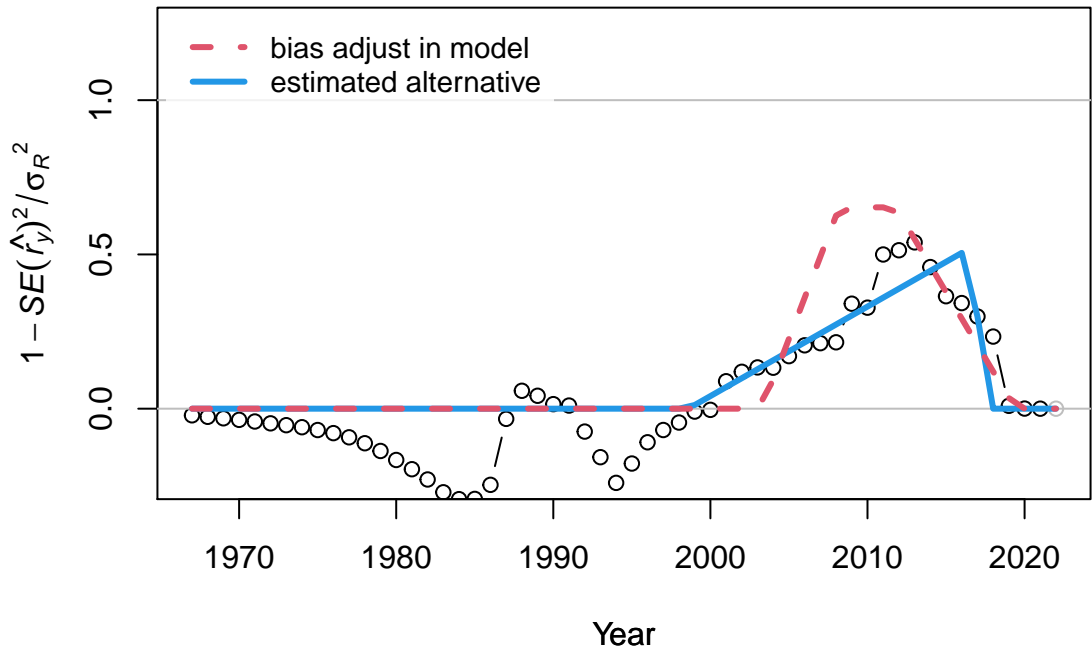


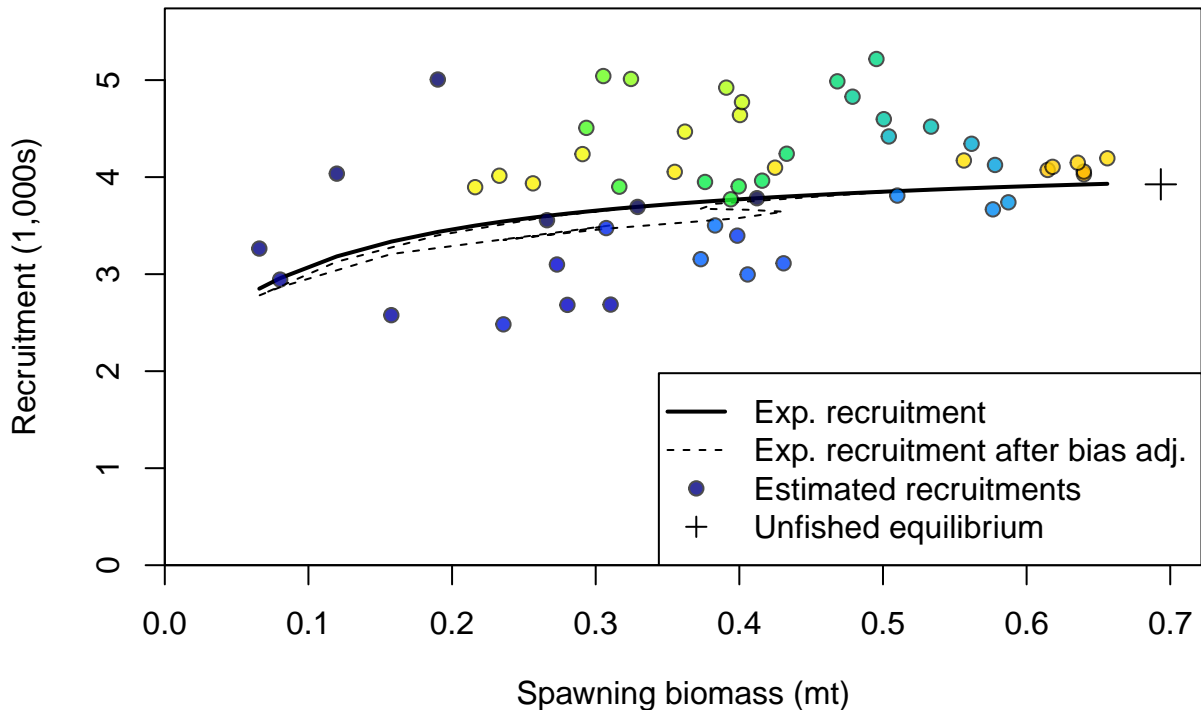
Log recruitment deviation



## Recruitment deviation variance

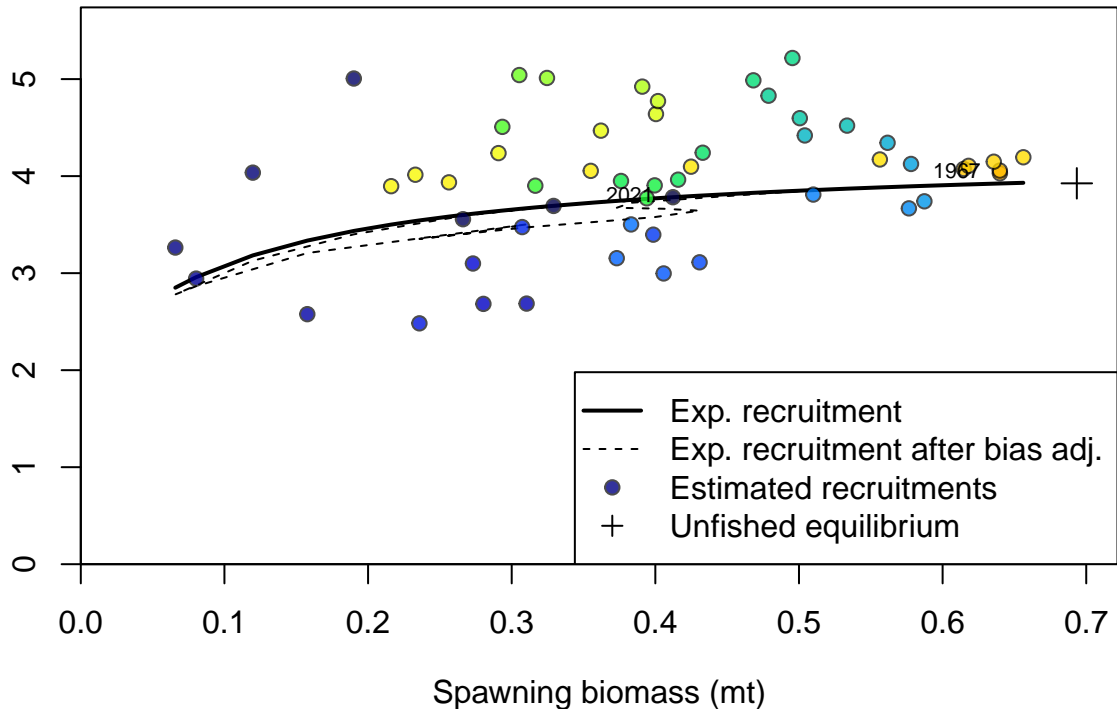


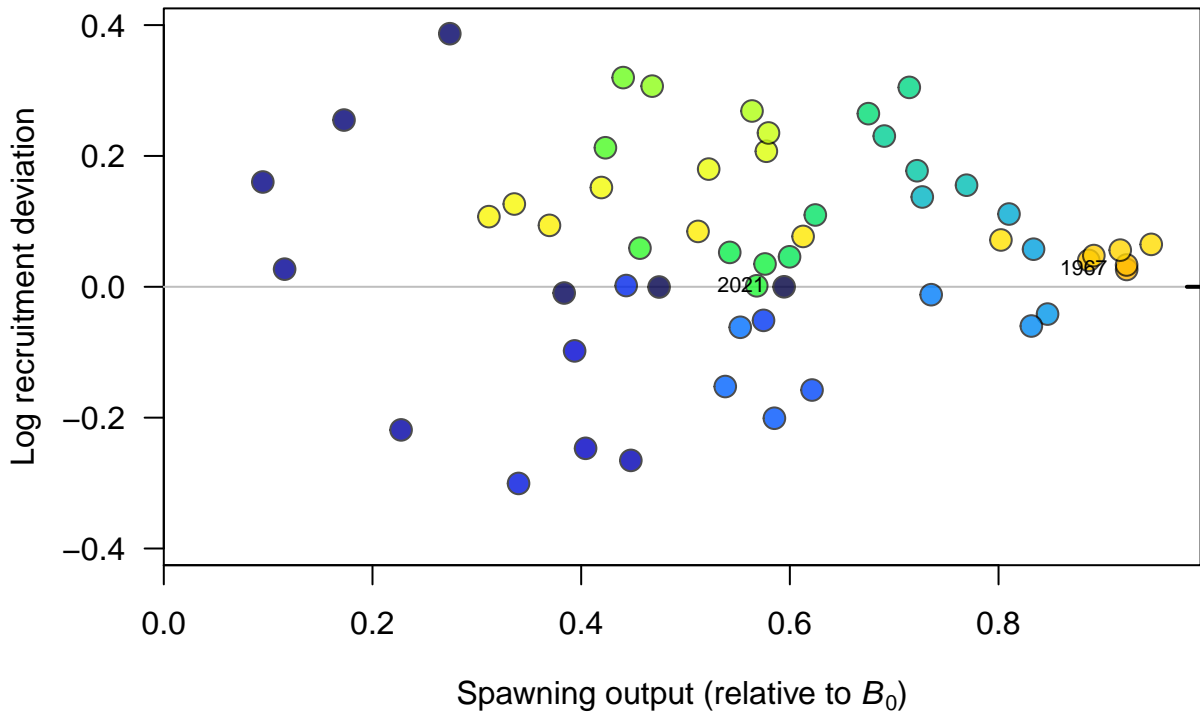


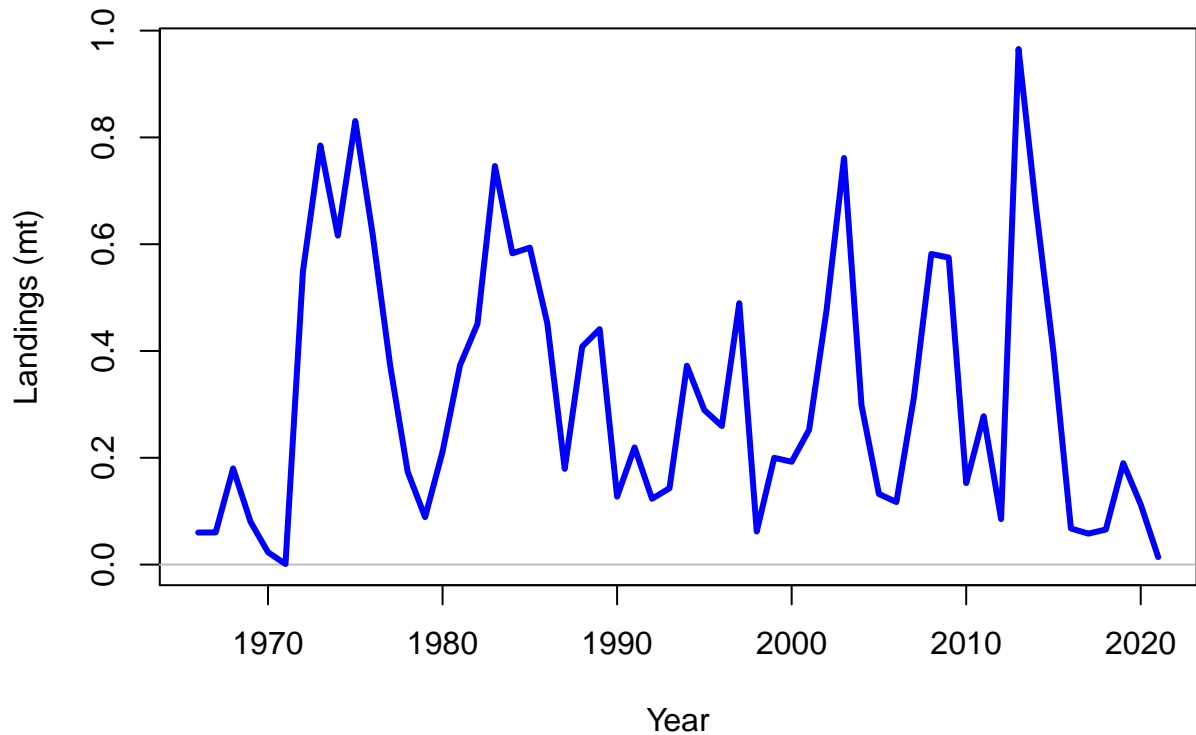


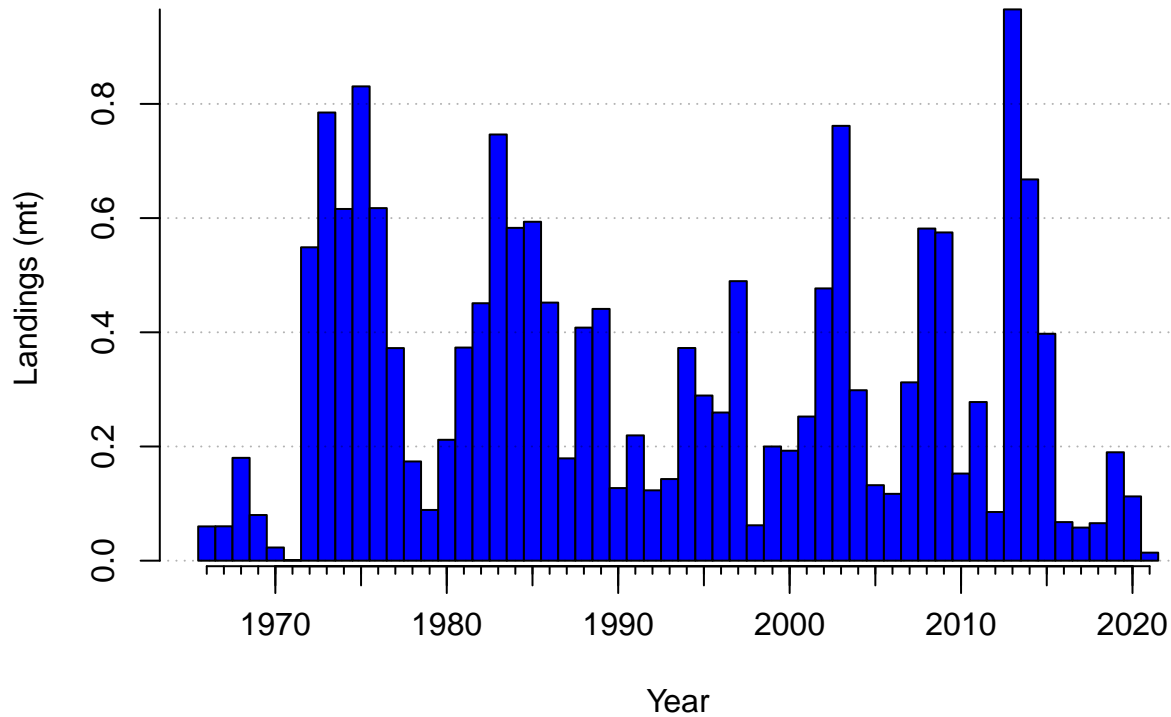


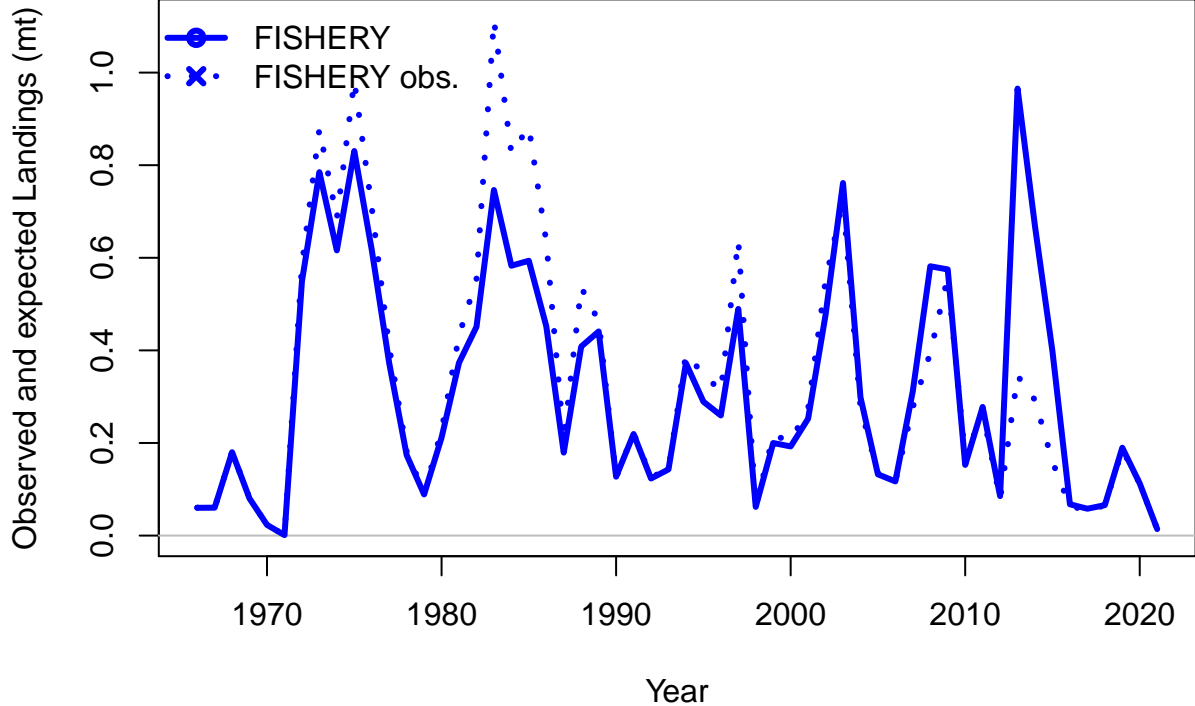
Recruitment (1,000s)

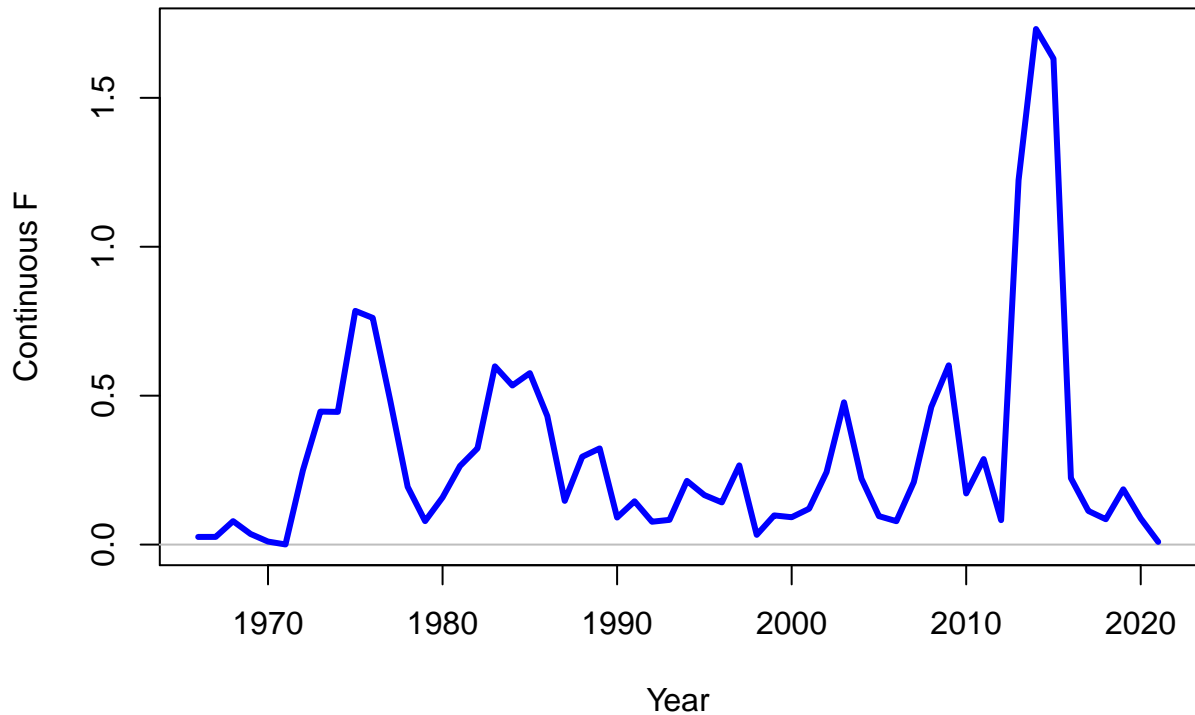




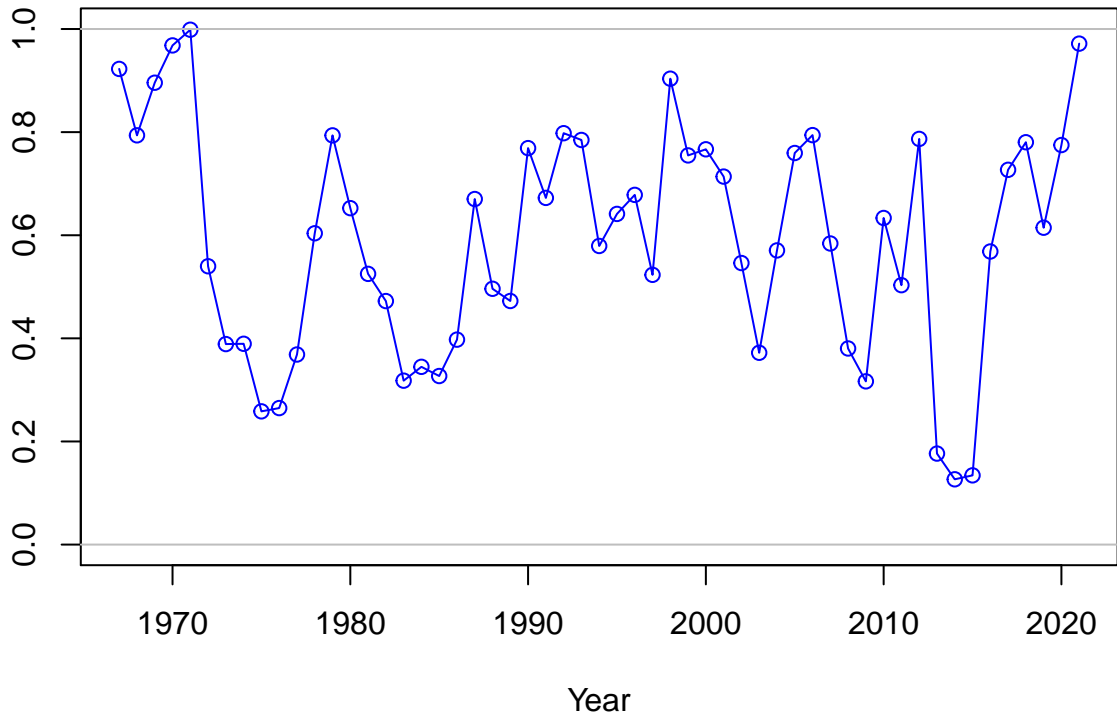




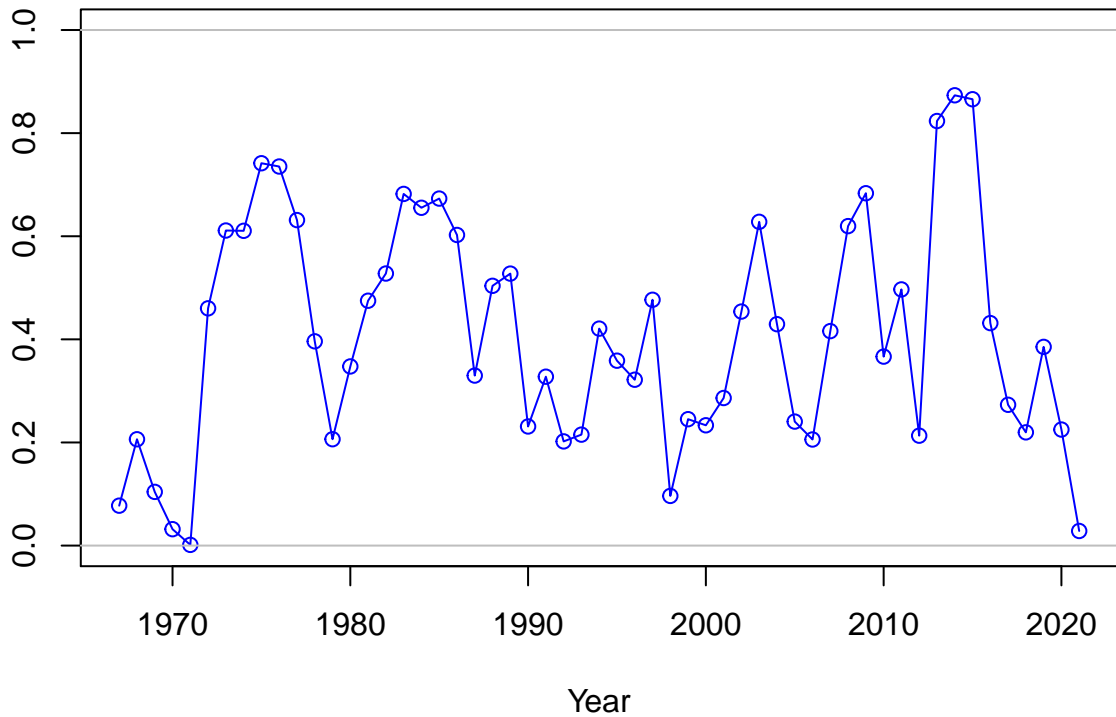




SPR

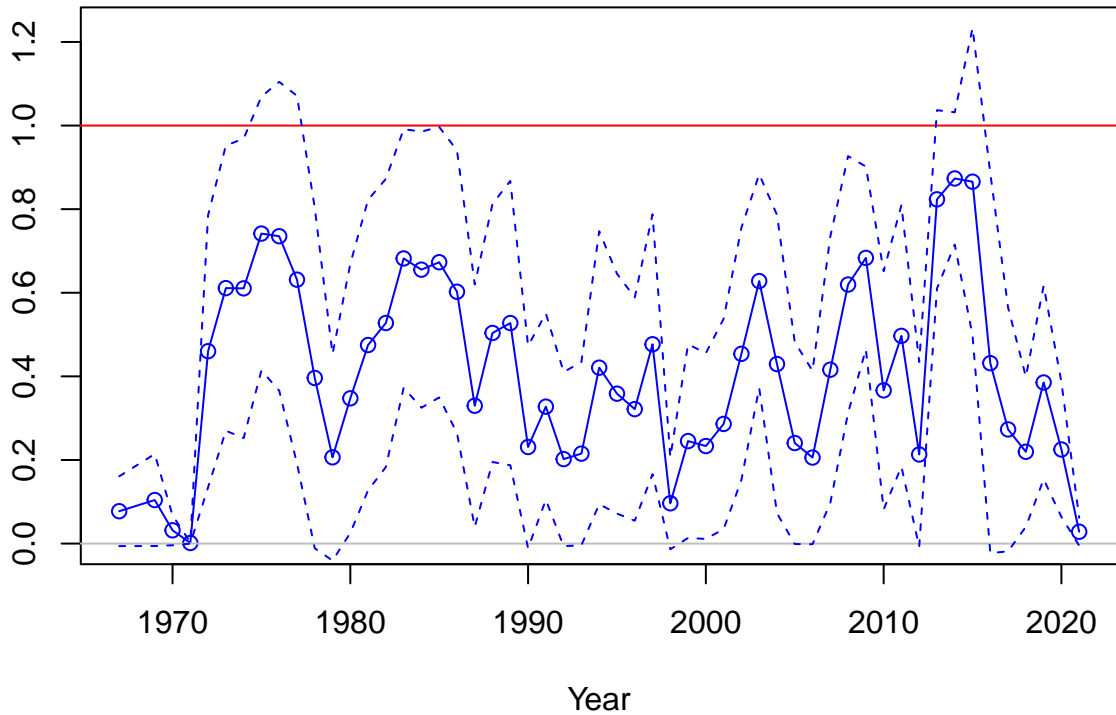


1-SPR

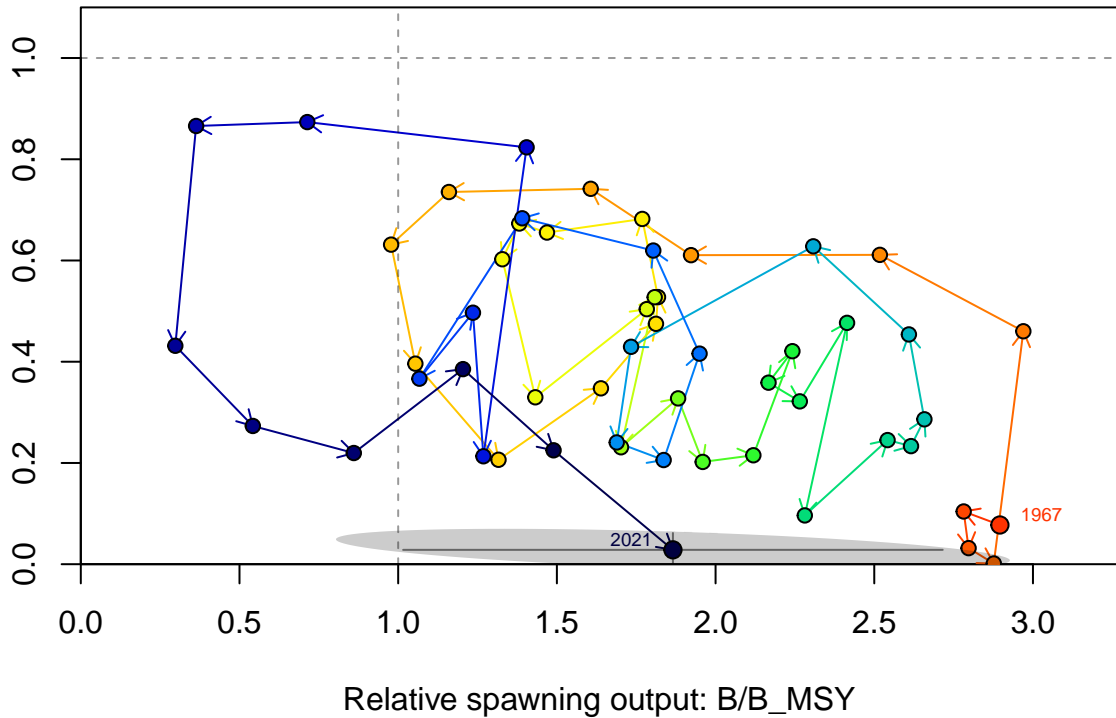




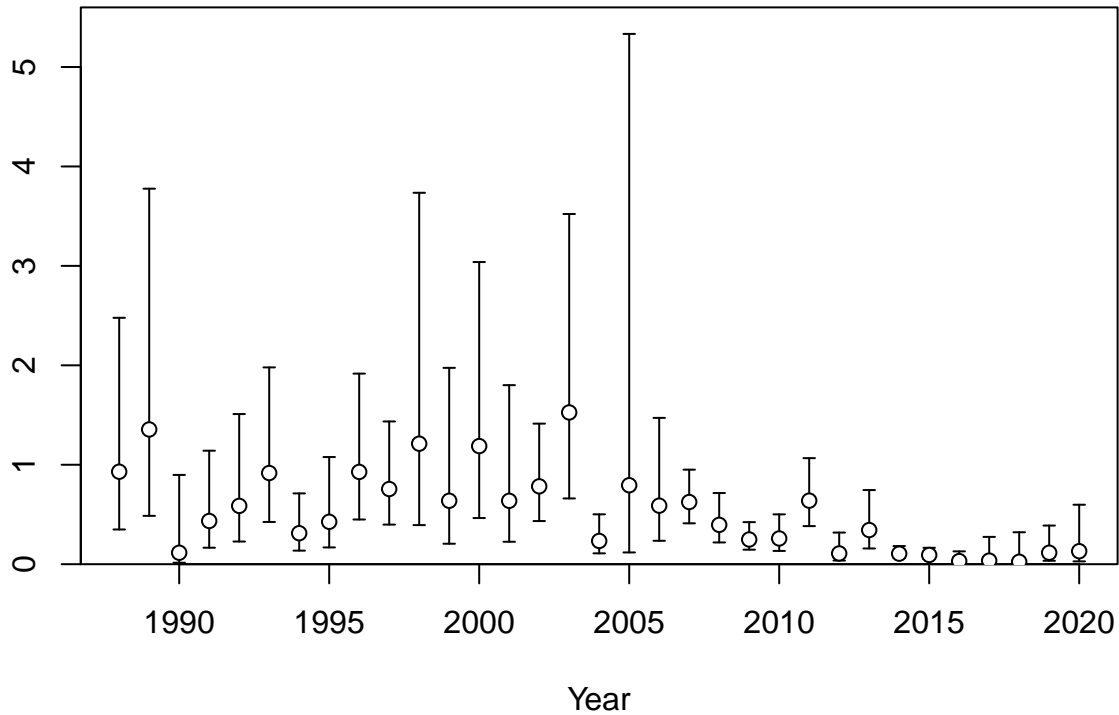
Fishing intensity: 1-SPR



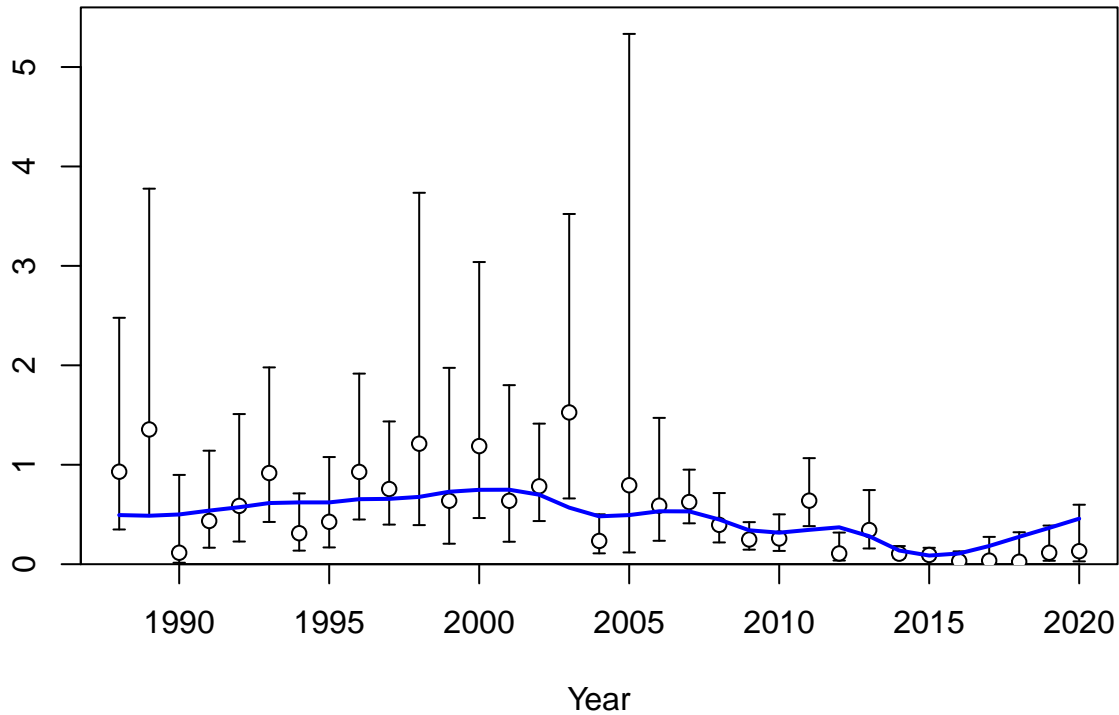
Fishing intensity: 1-SPR

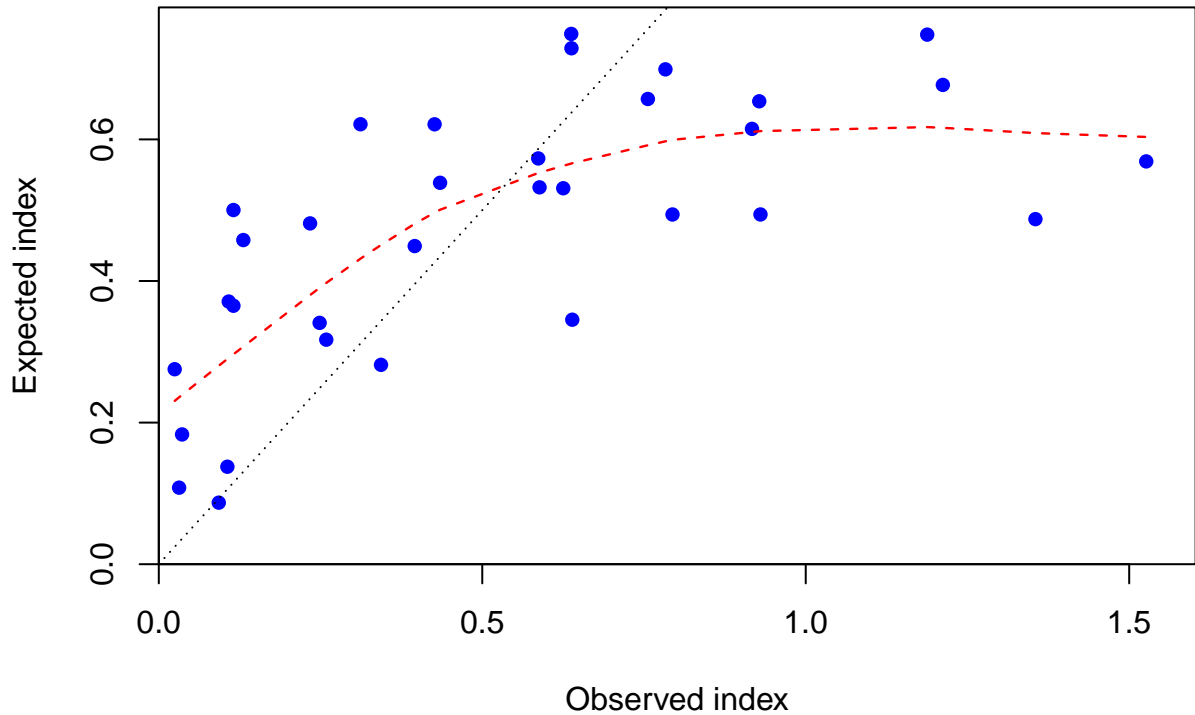


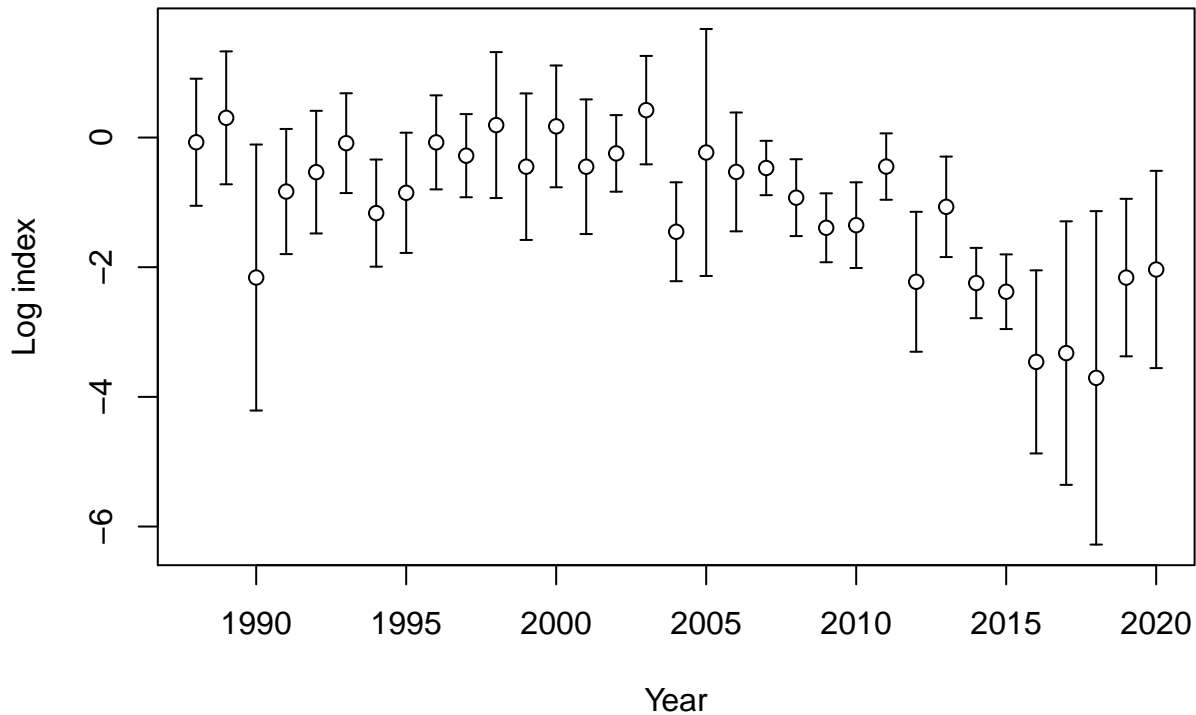
Index

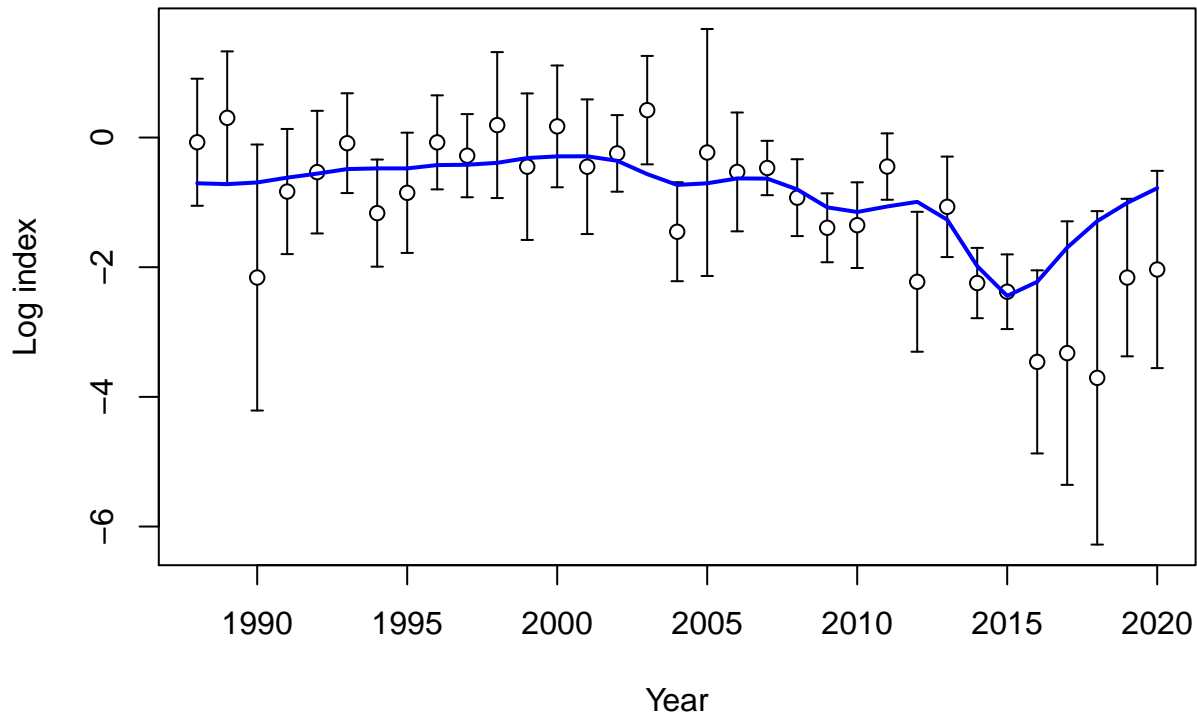


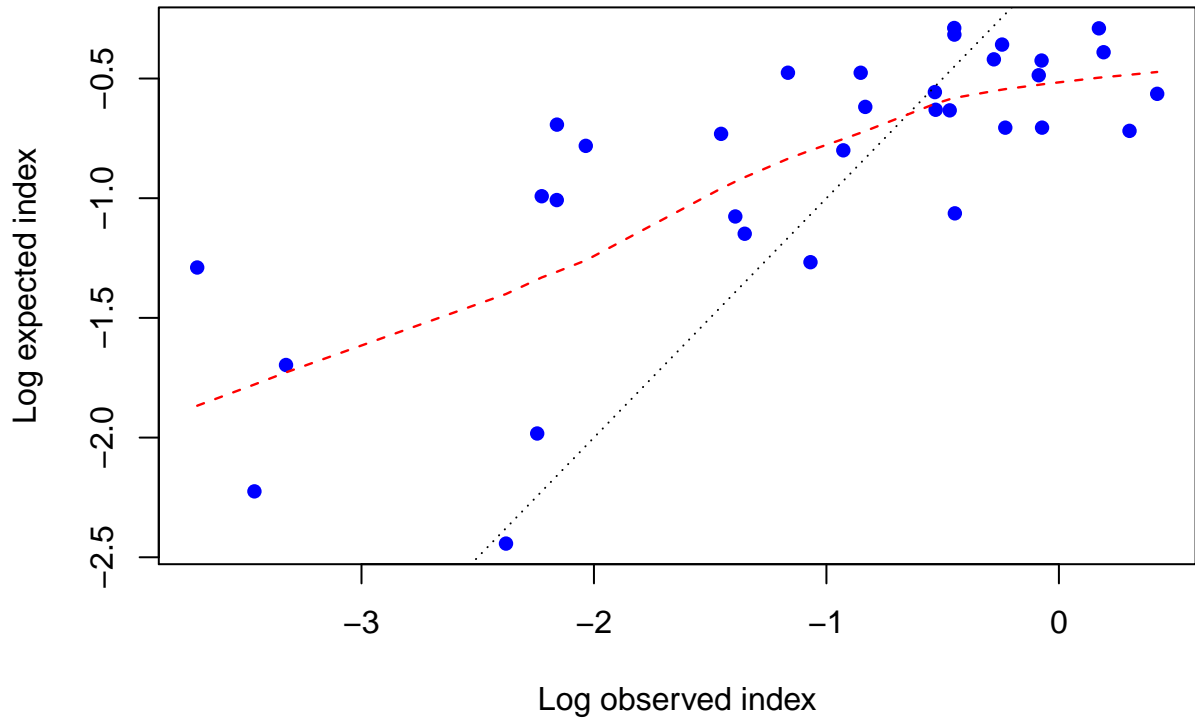
Index



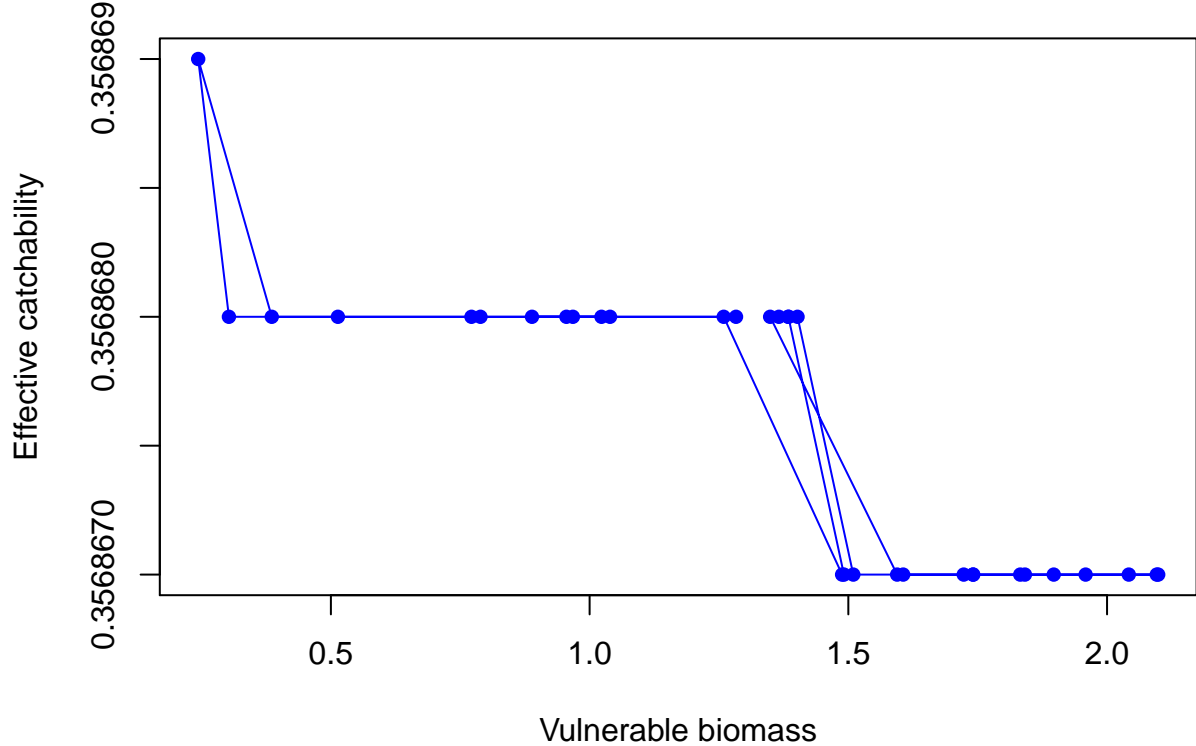


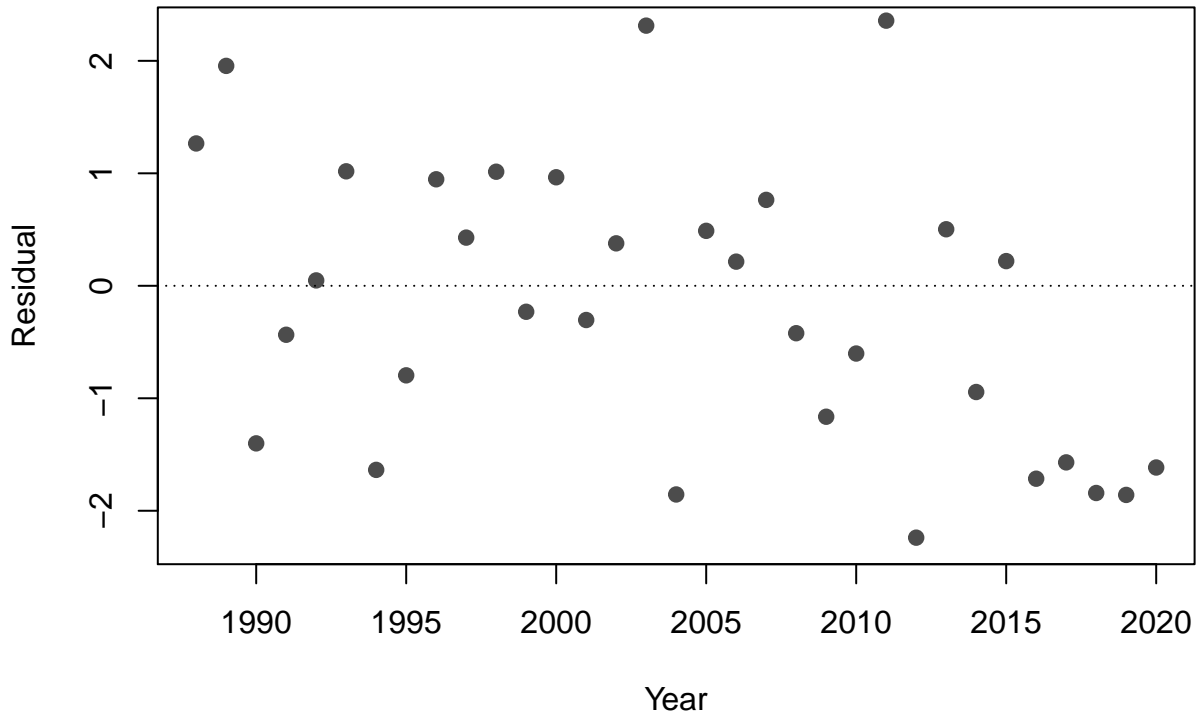


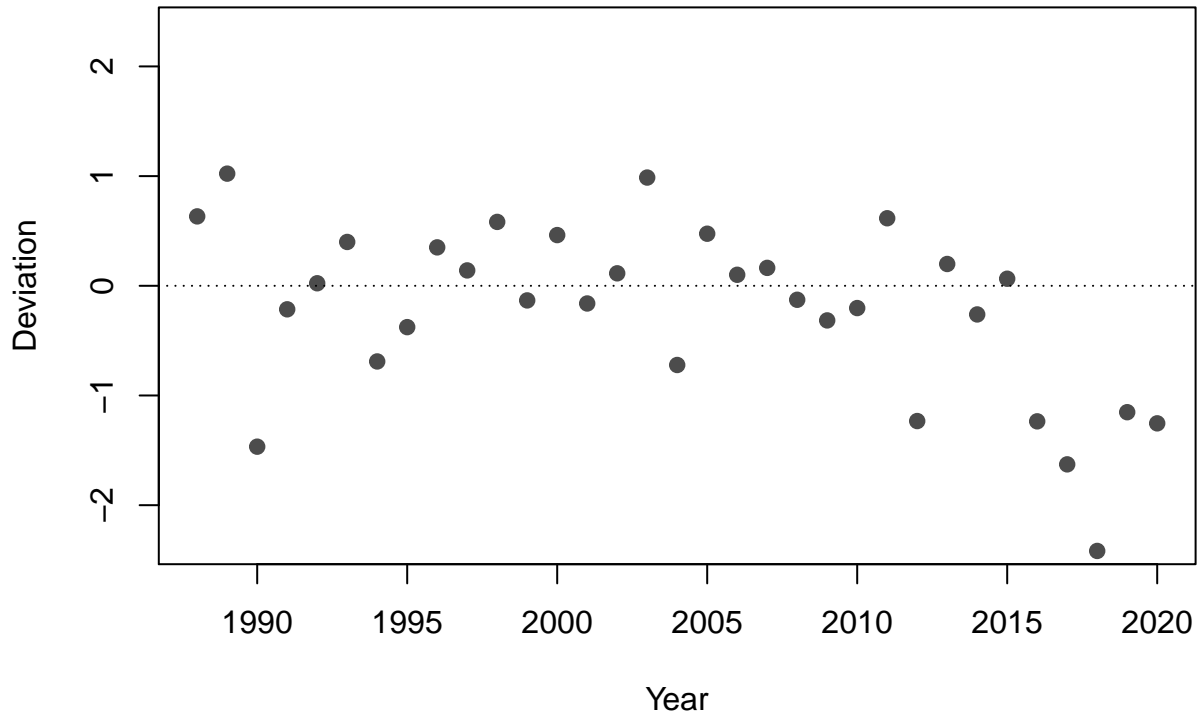


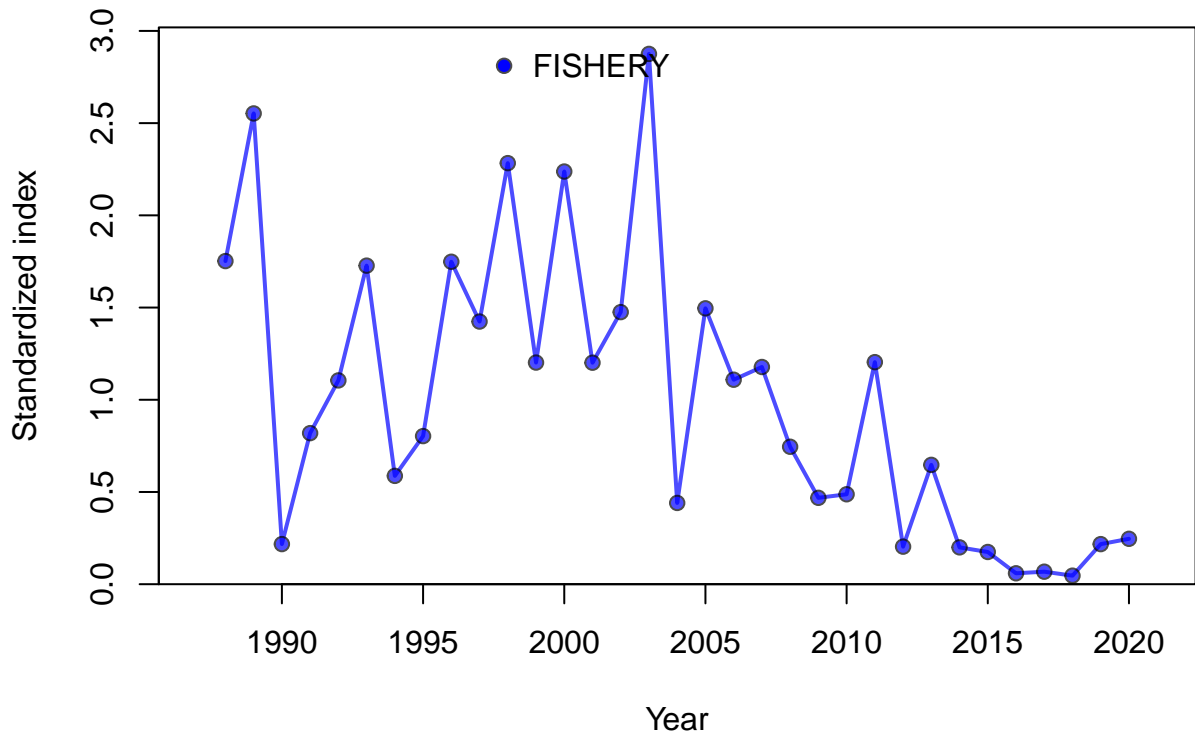


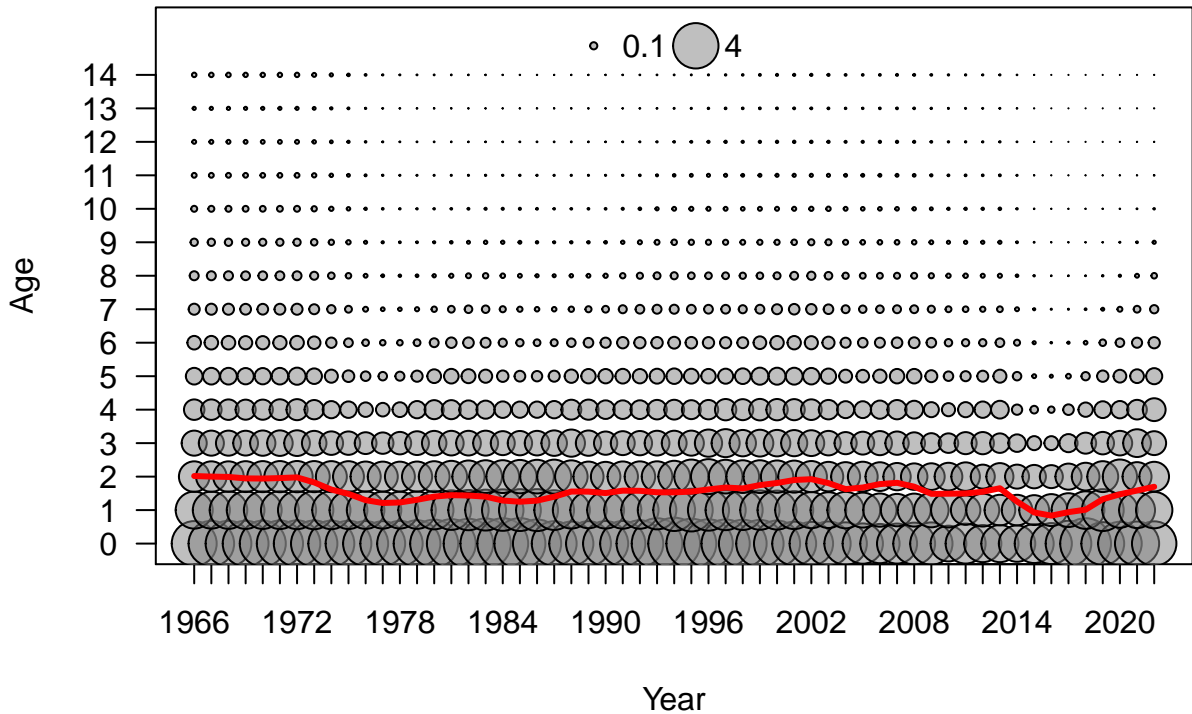


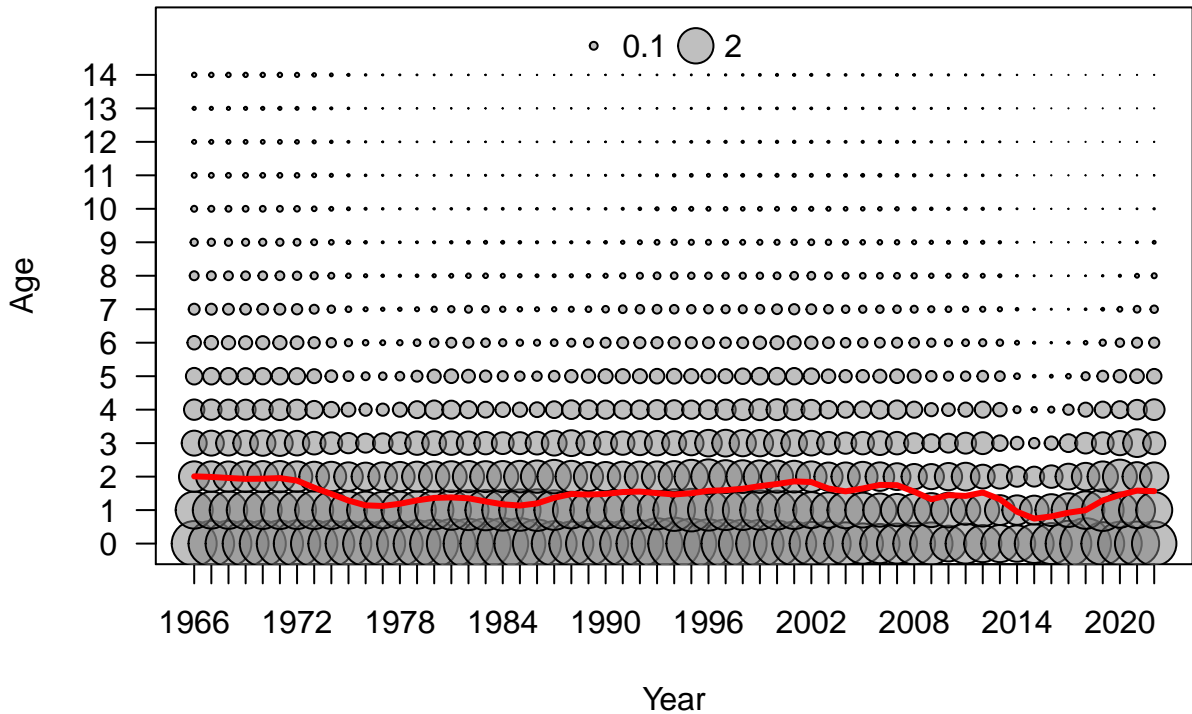


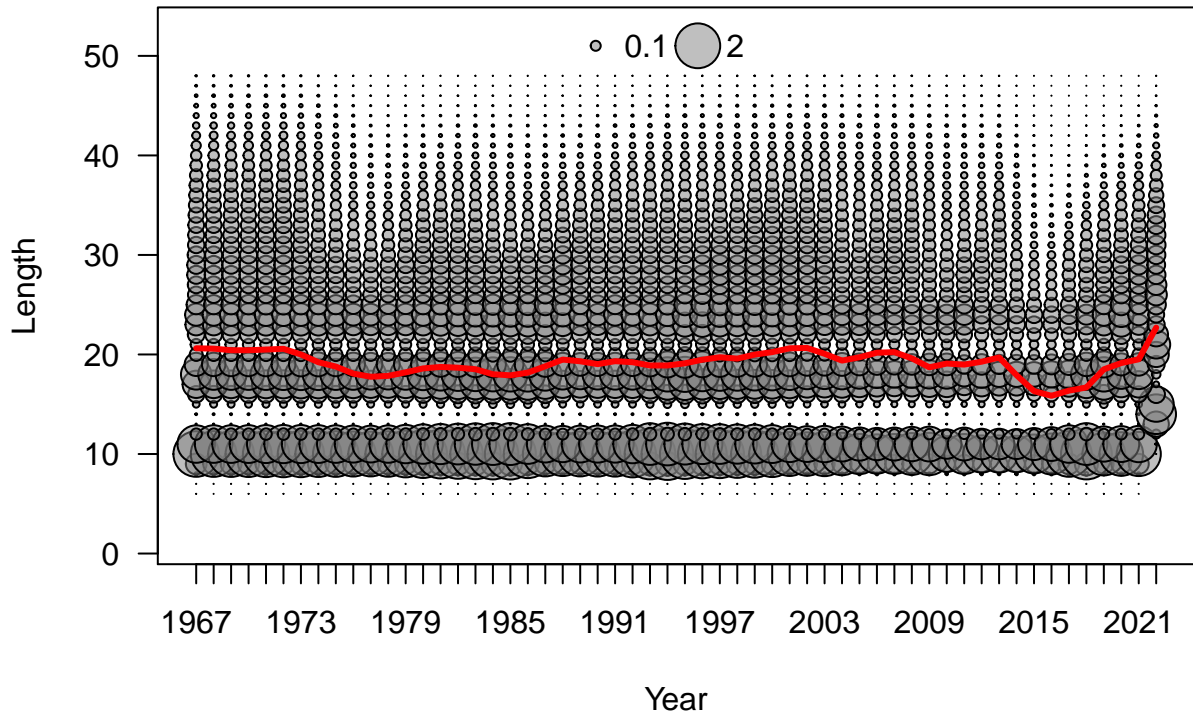


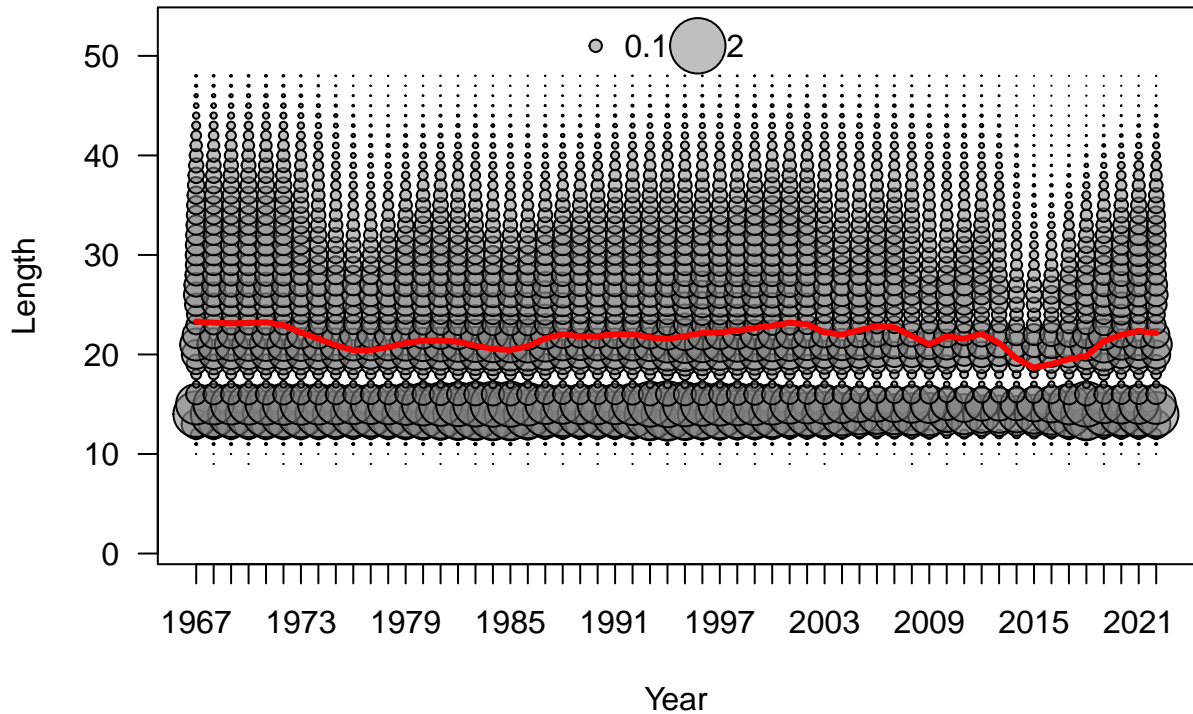




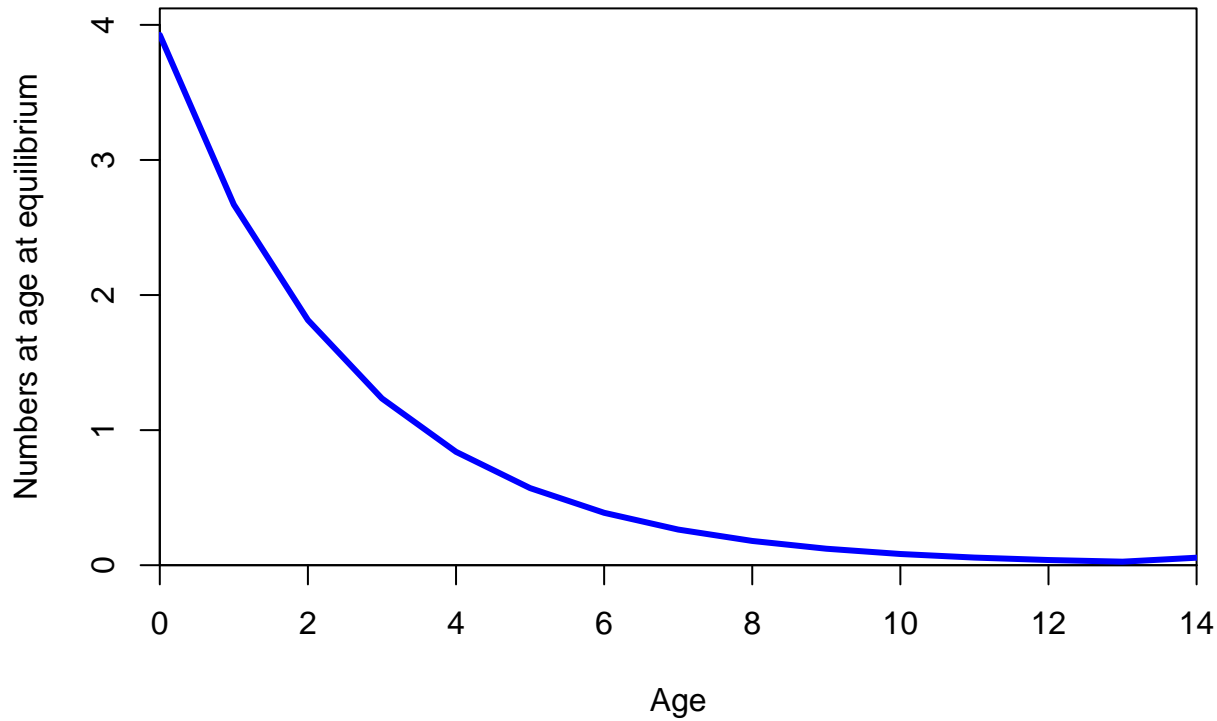


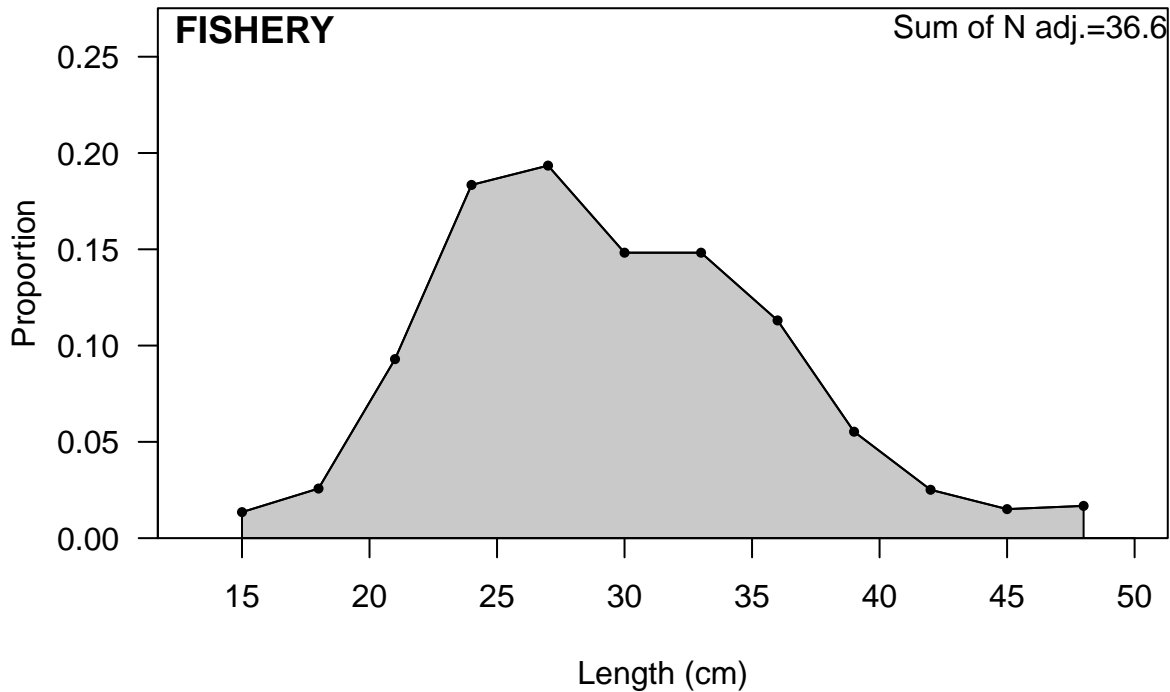


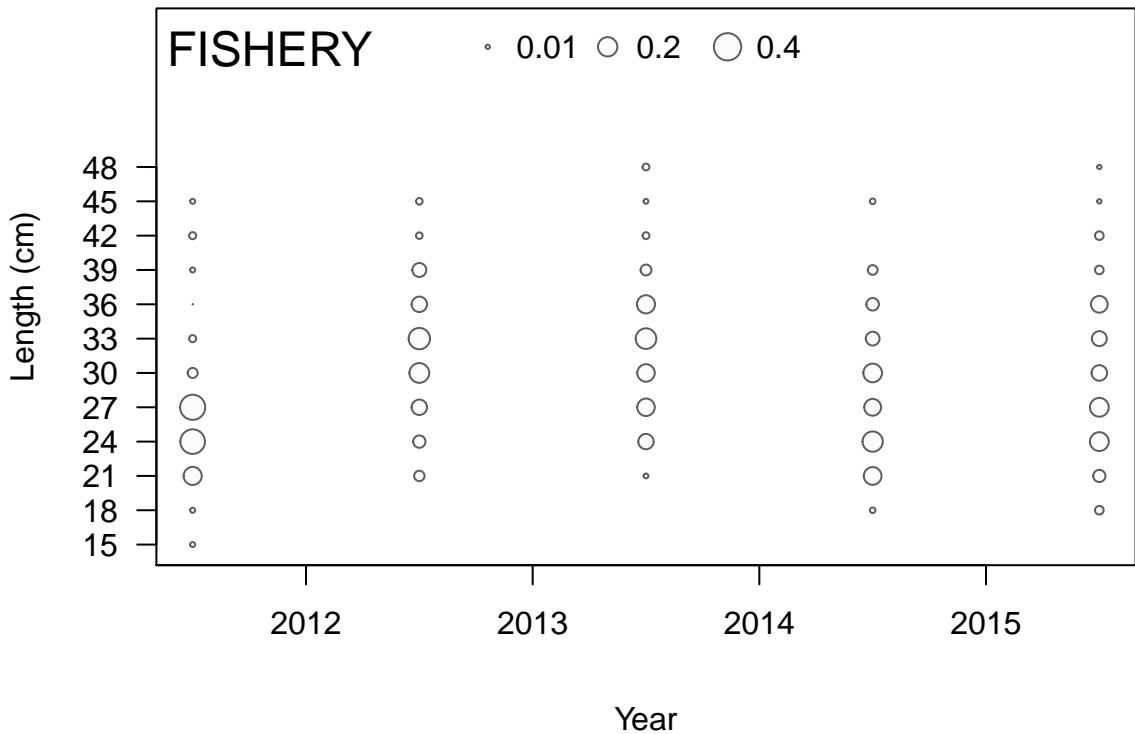




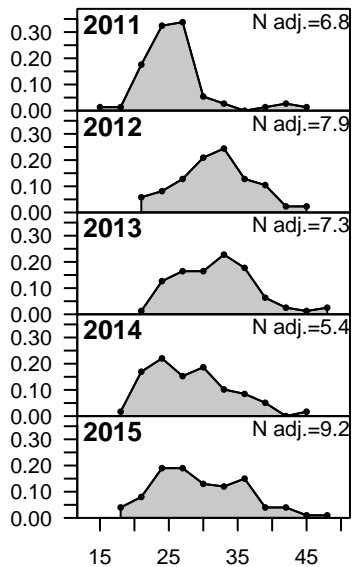




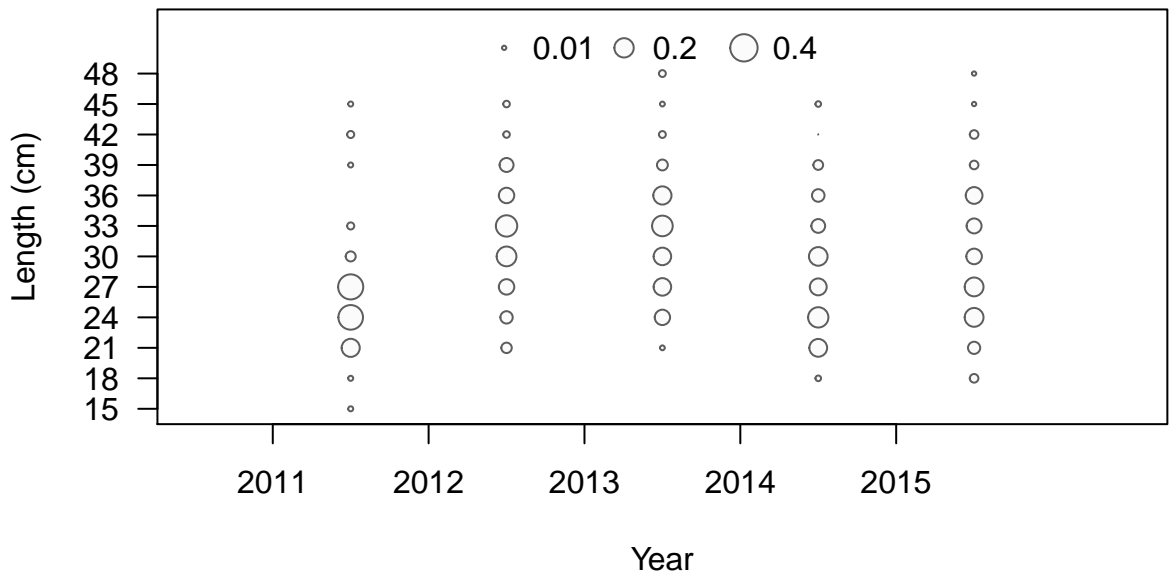




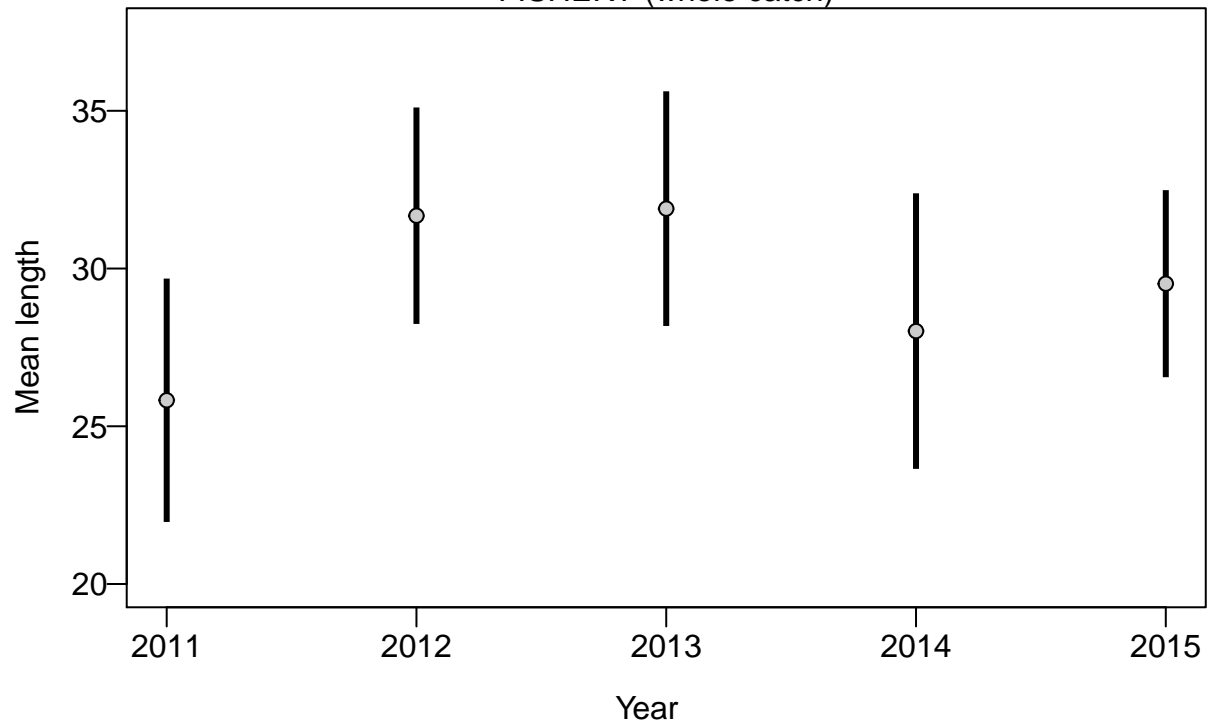
Proportion



Length (cm)

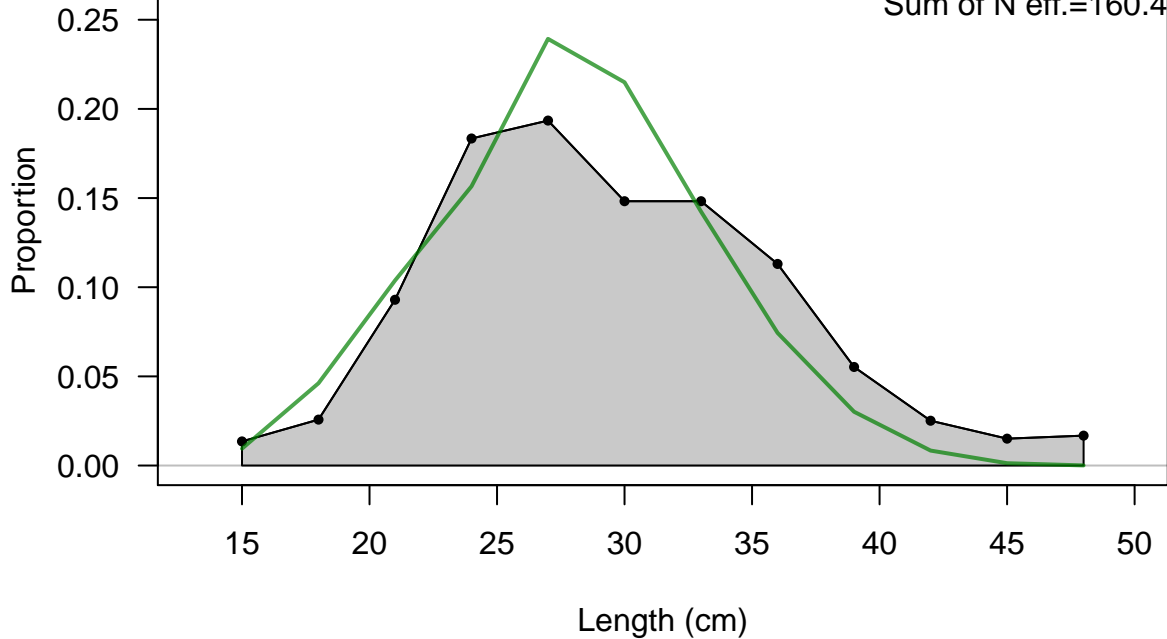


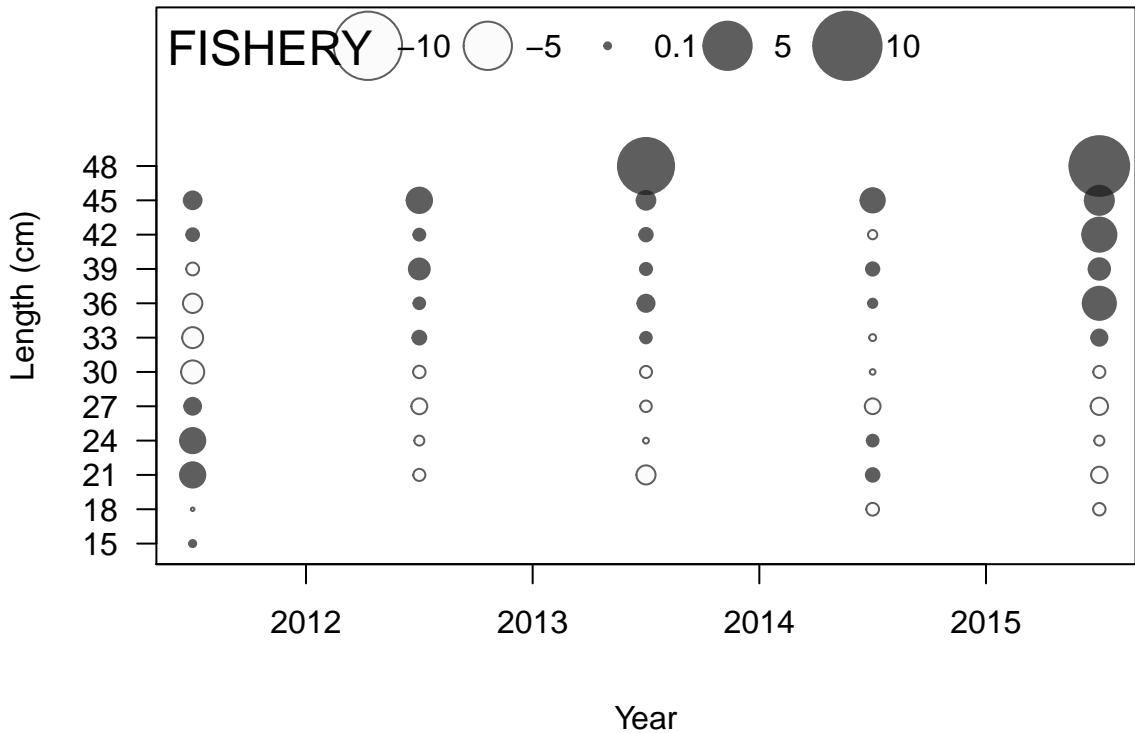
FISHERY (whole catch)



# FISHERY

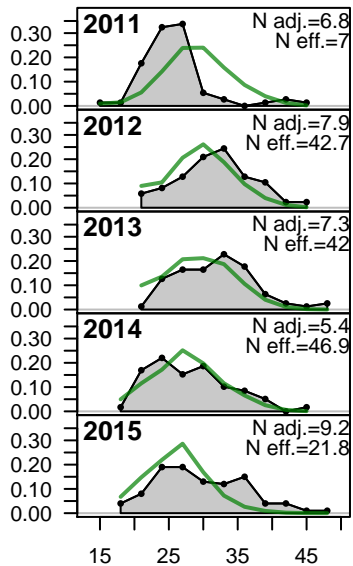
Sum of N adj.=36.6  
Sum of N eff.=160.4





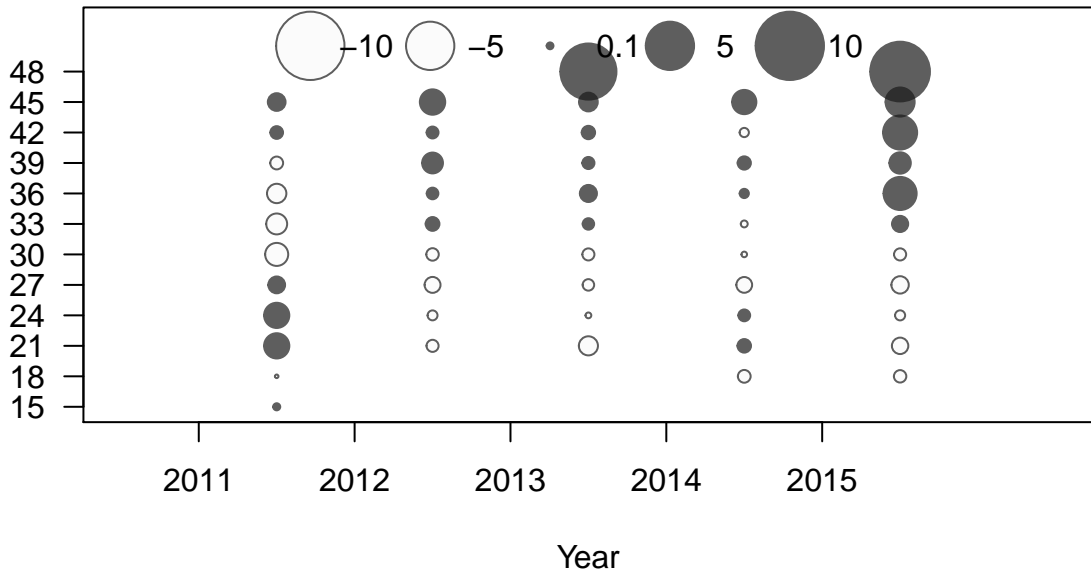


Proportion

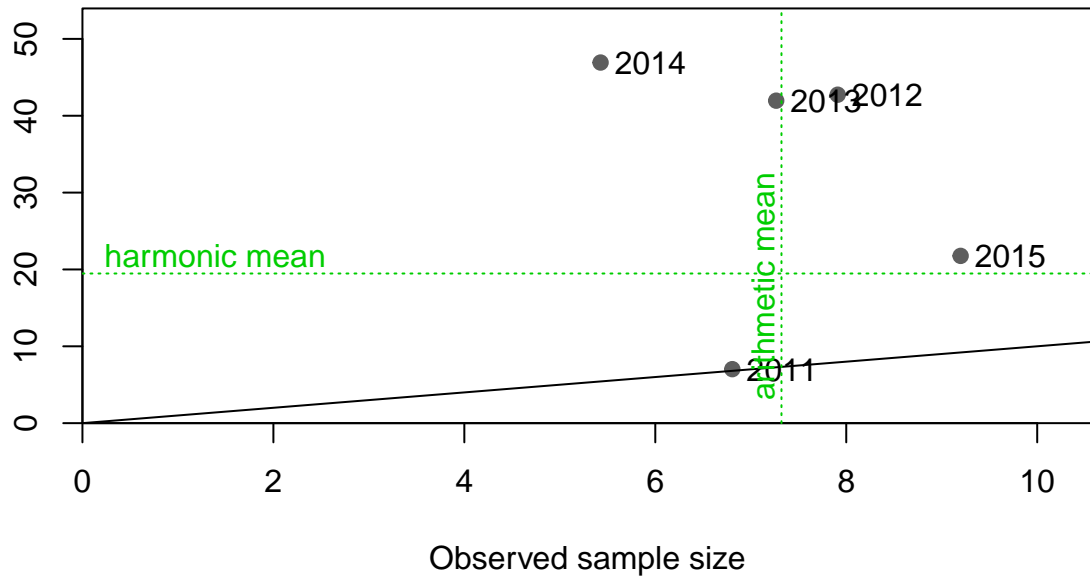


Length (cm)

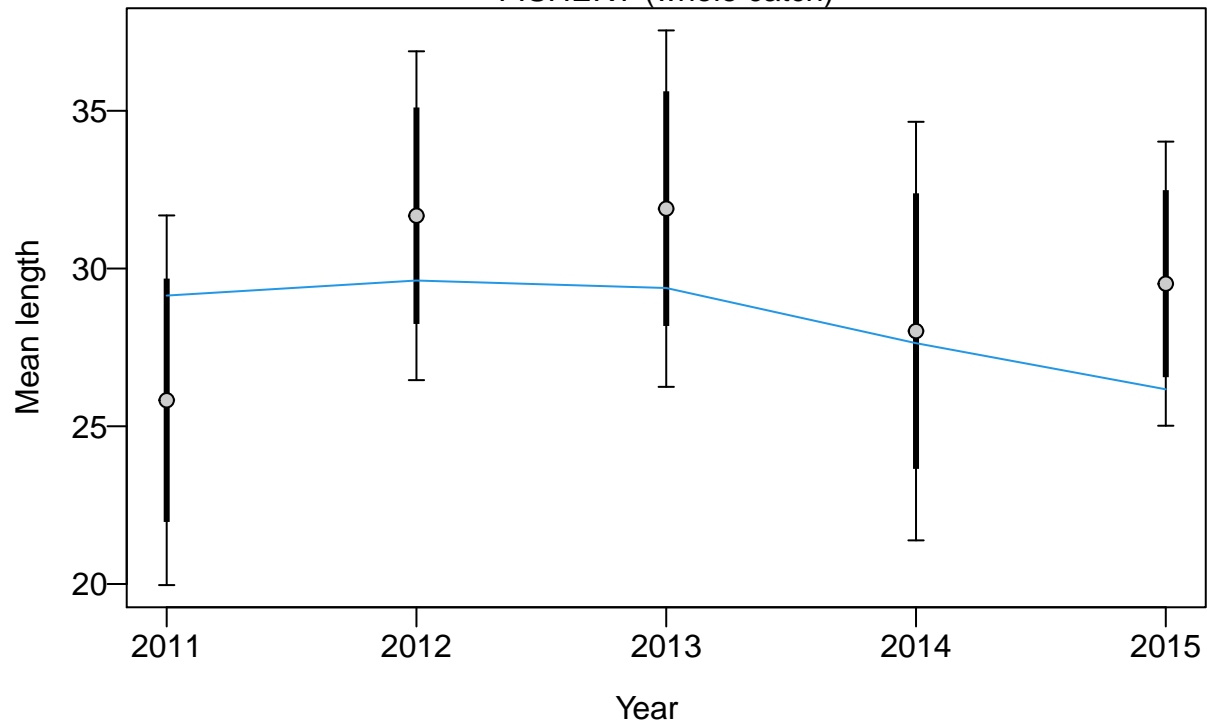
Length (cm)

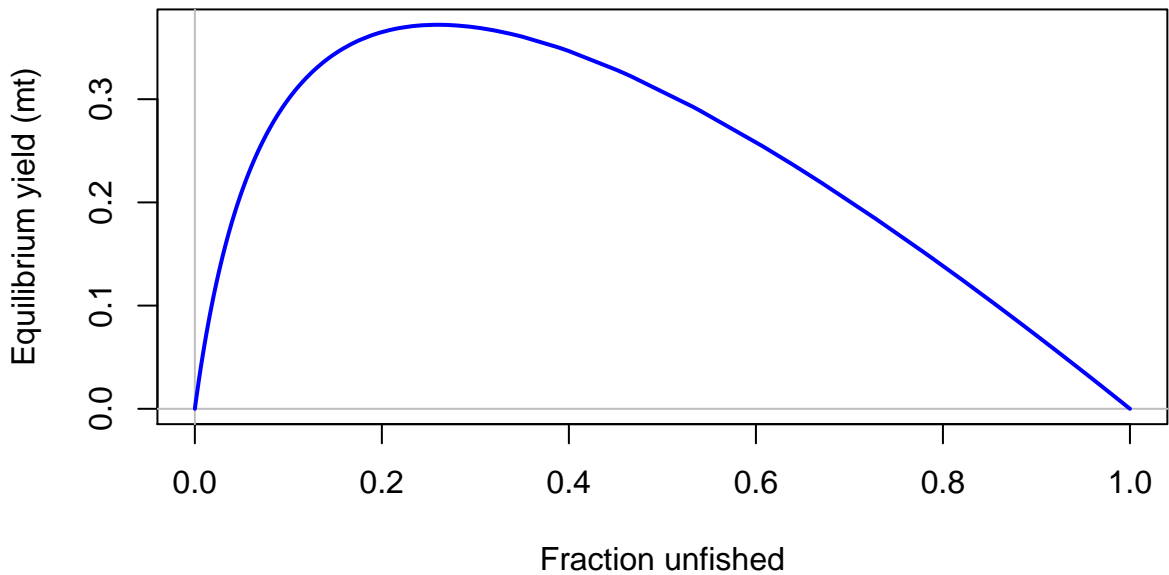


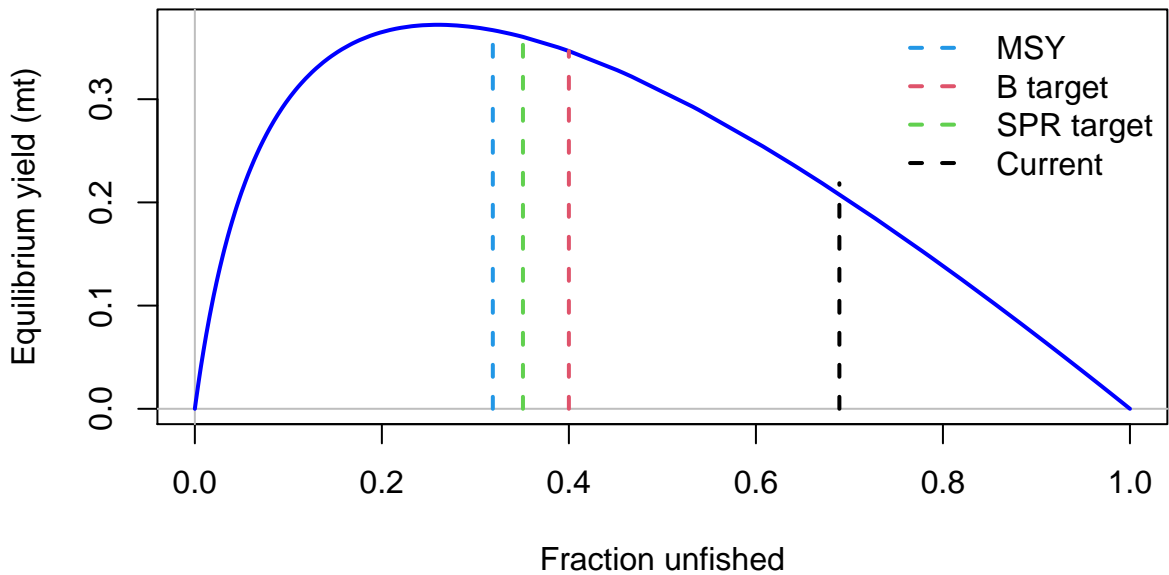
Effective sample size

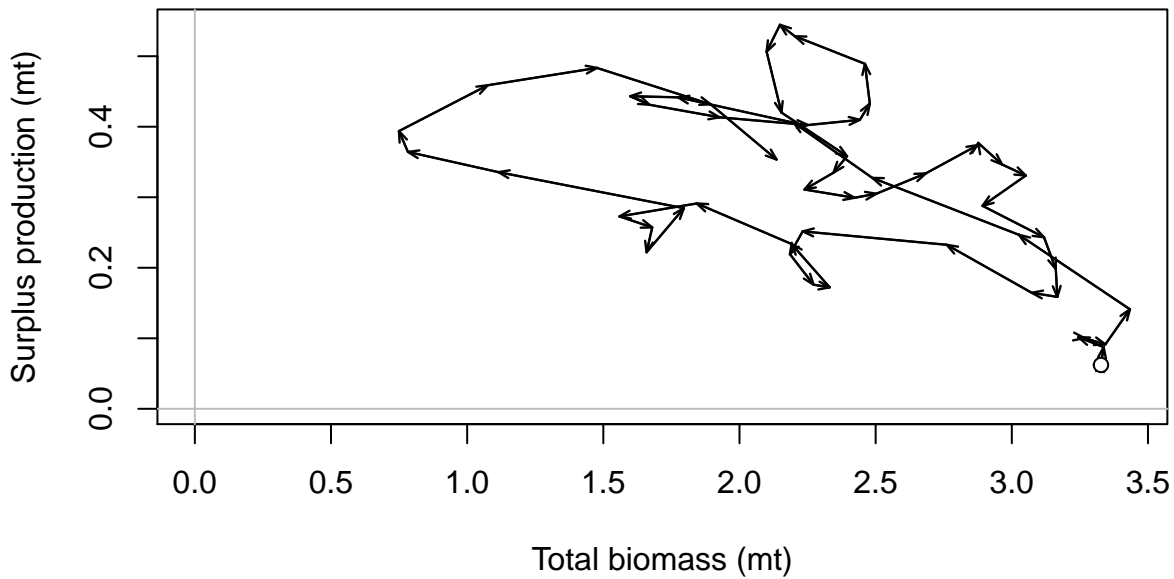


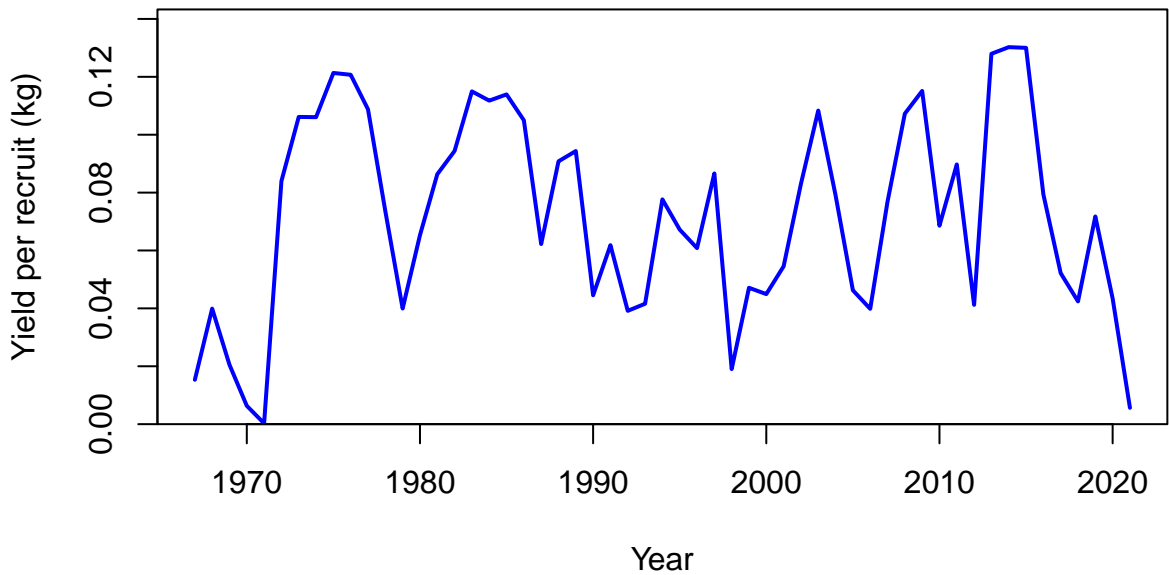
FISHERY (whole catch)



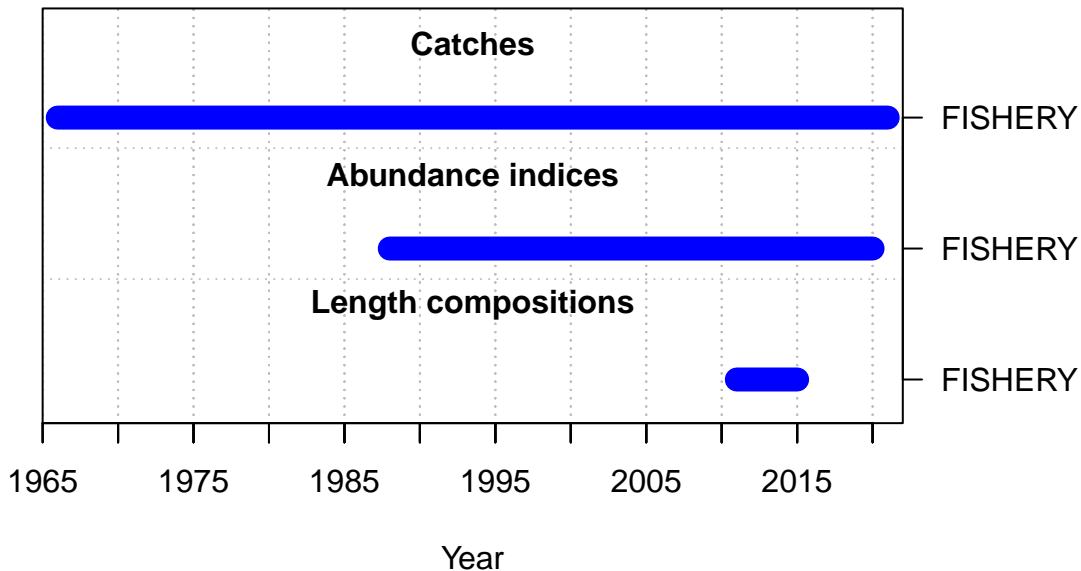


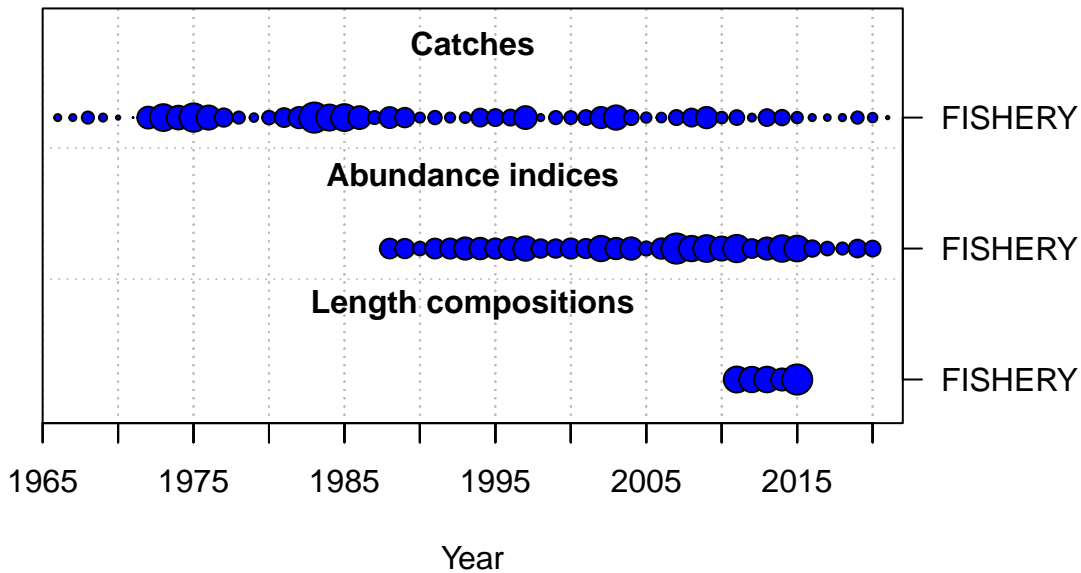




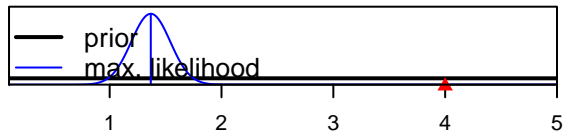




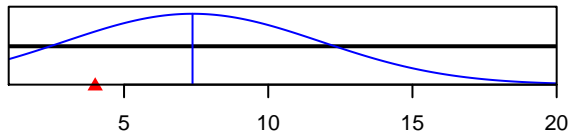




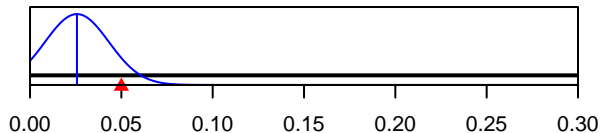
SR\_LN(R0)



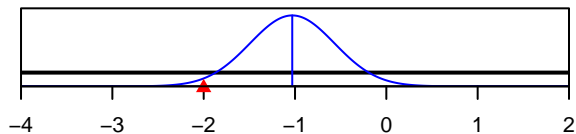
Size\_95%width\_FISHERY(1)



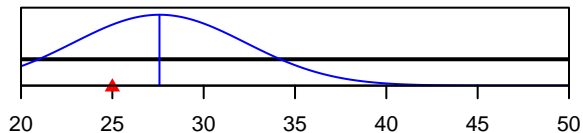
InitF\_seas\_1\_flt\_1FISHERY



LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Parameter value