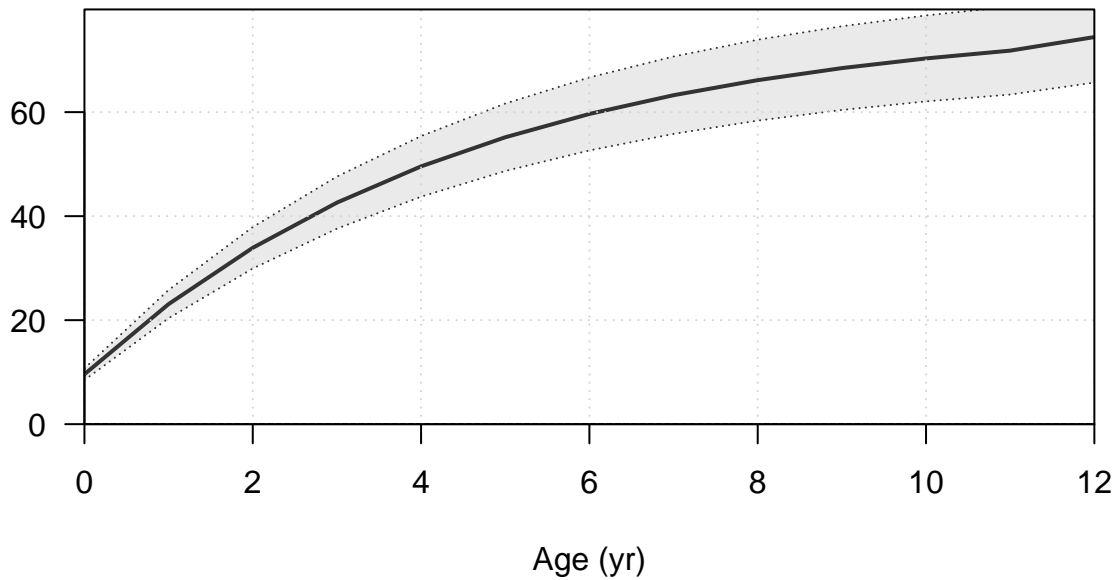
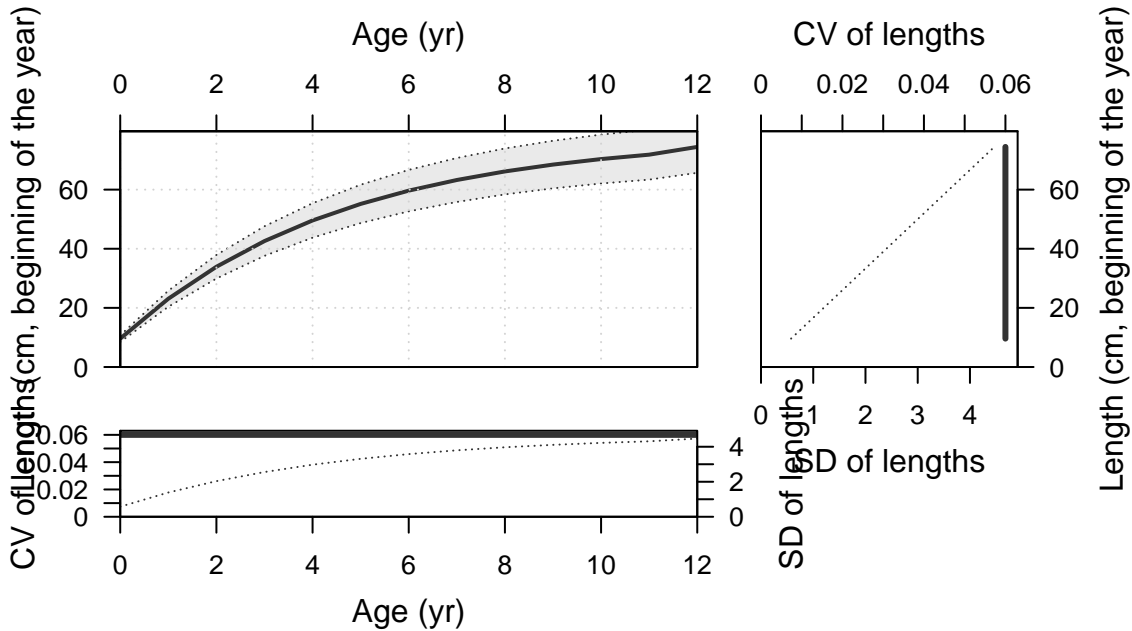
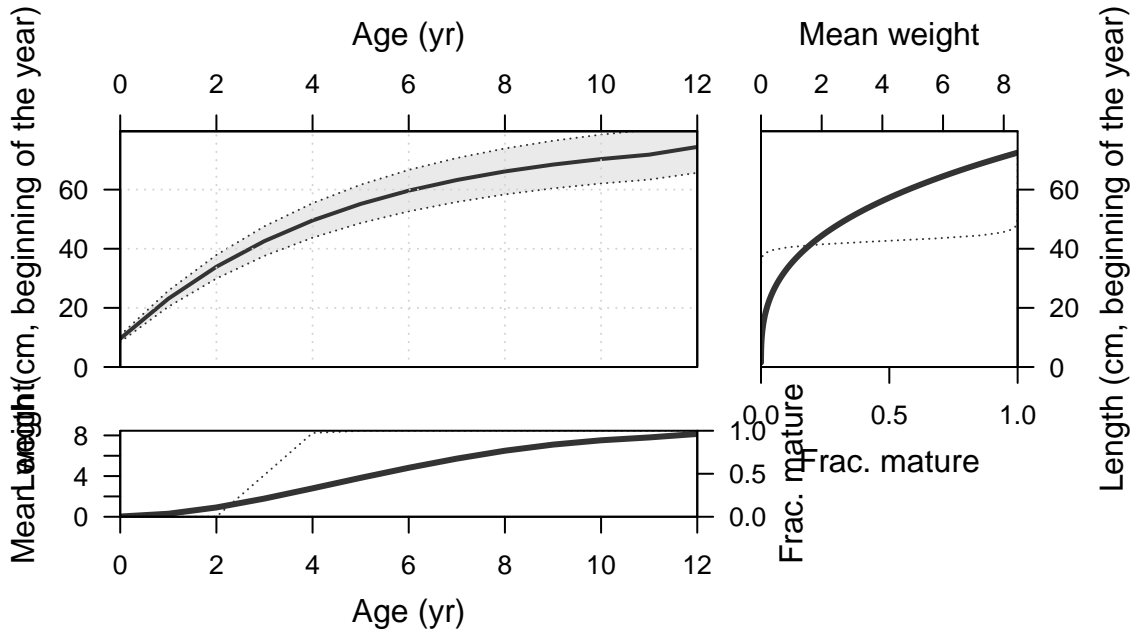


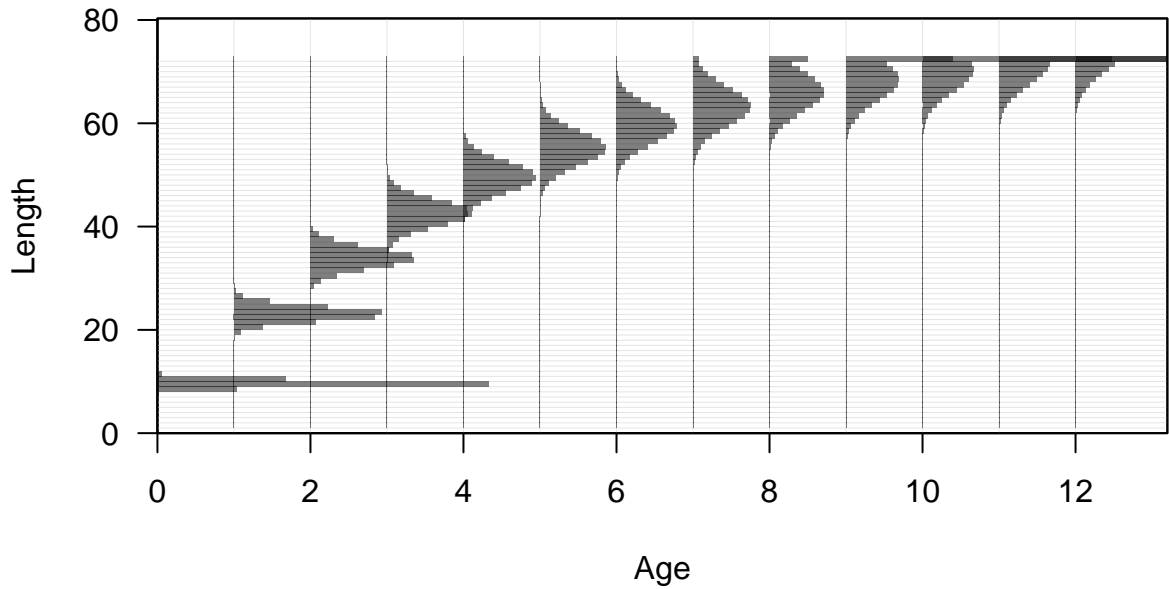
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Tue Aug 02 09:54:10 2022  
Data\_File: data.ss  
Control\_File: control.ss

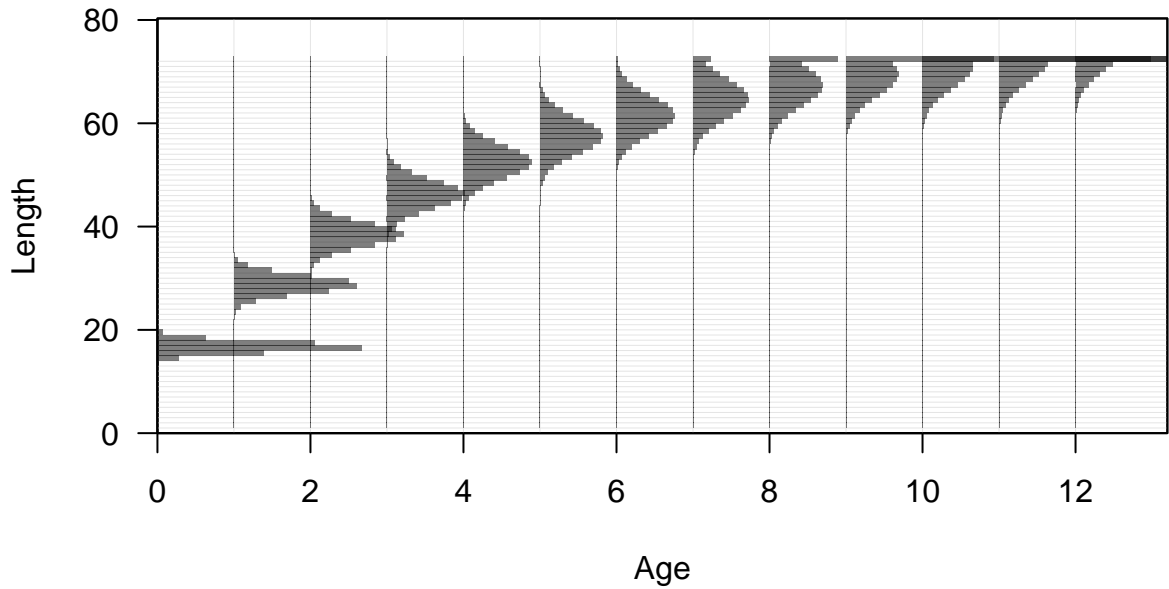
Length (cm, beginning of the year)



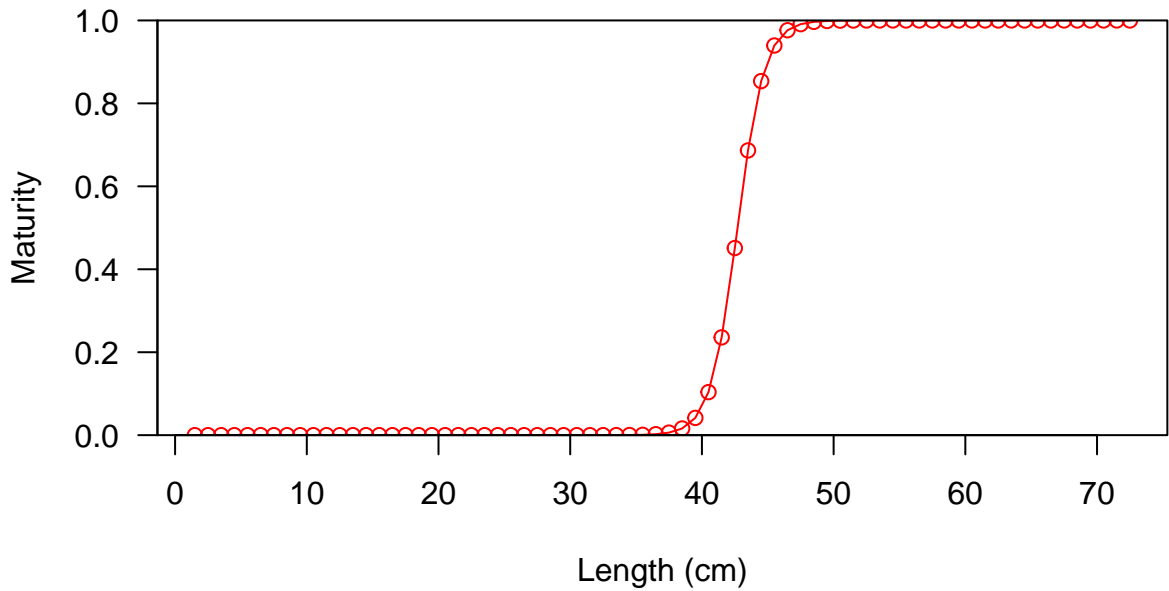








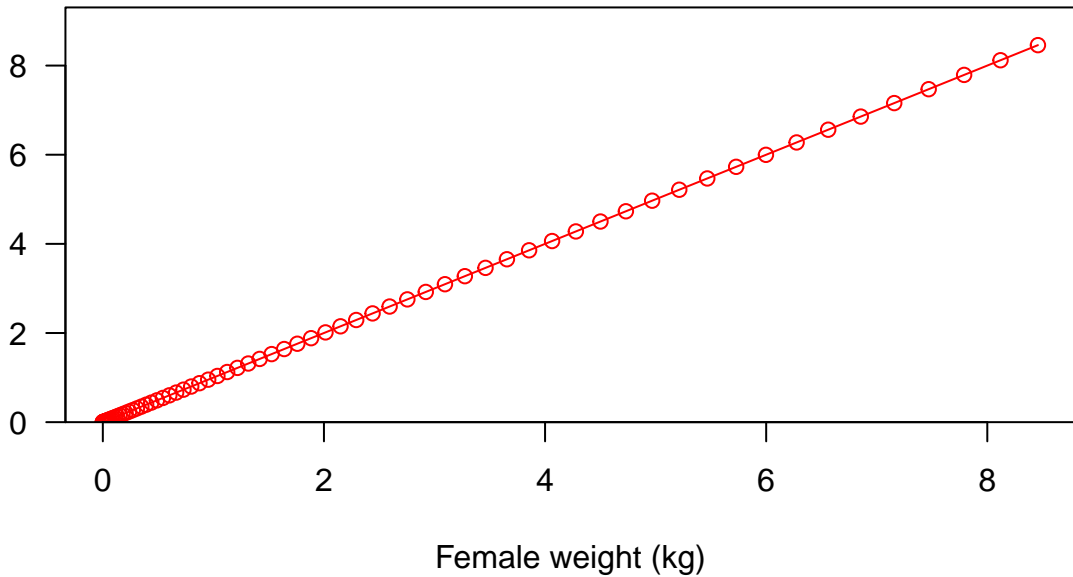








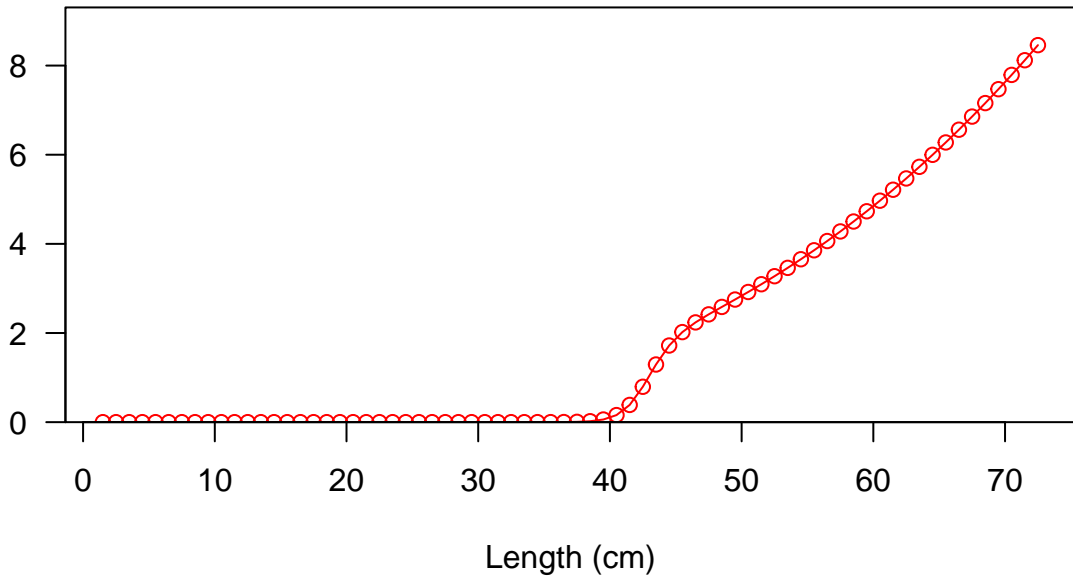
Fecundity



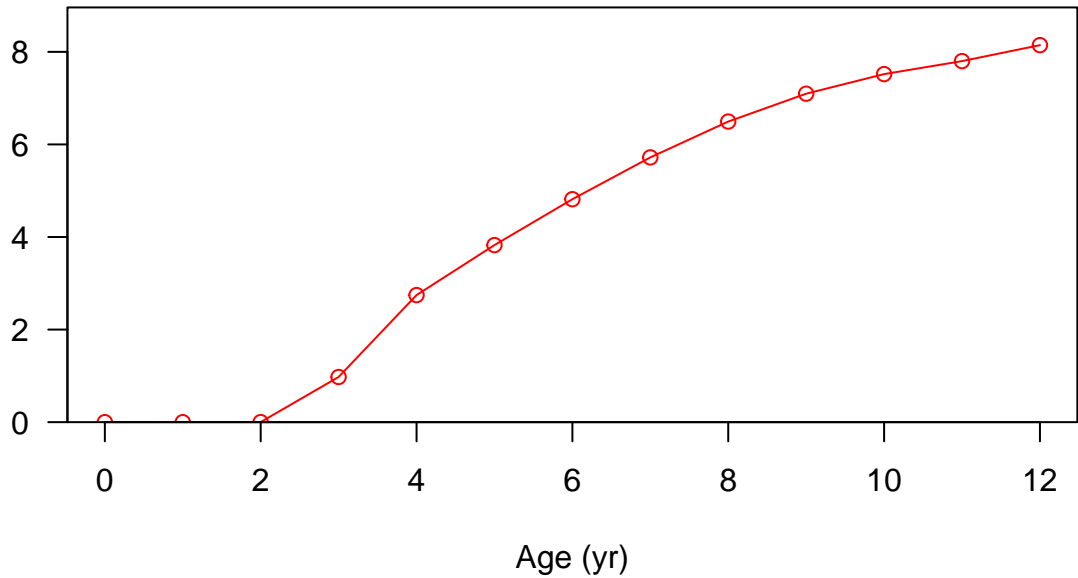
Fecundity



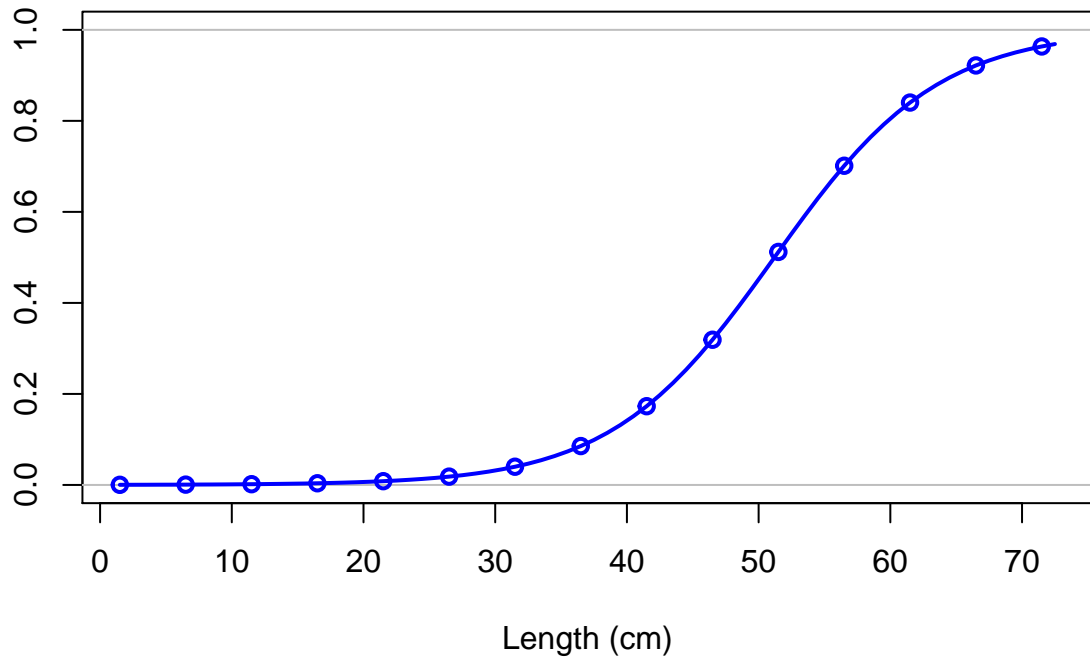
Spawning output



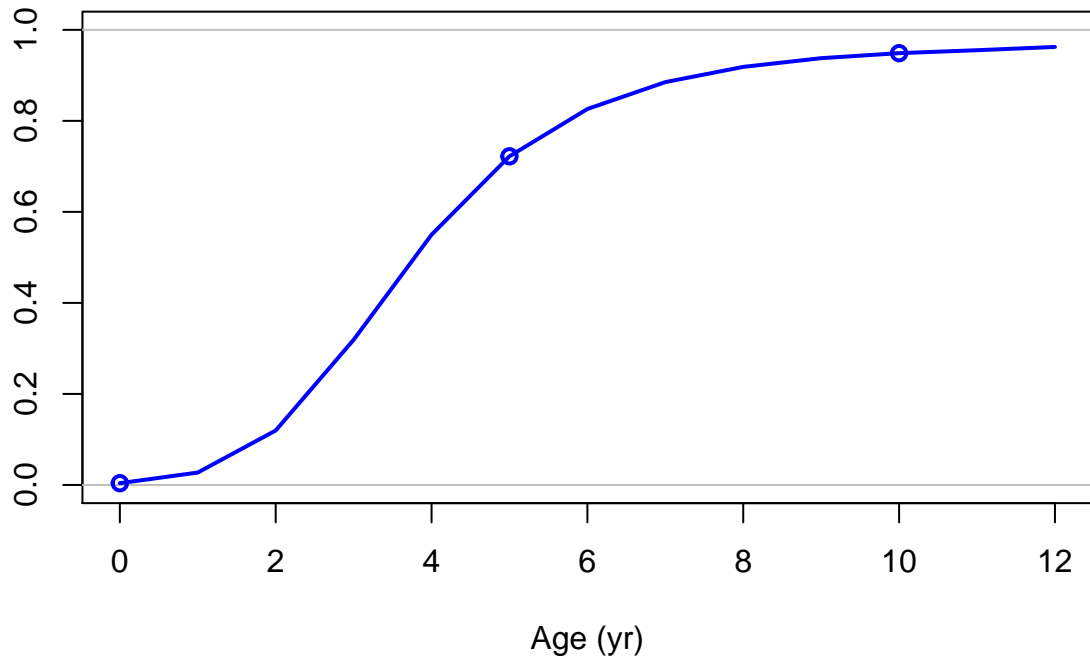
Spawning output



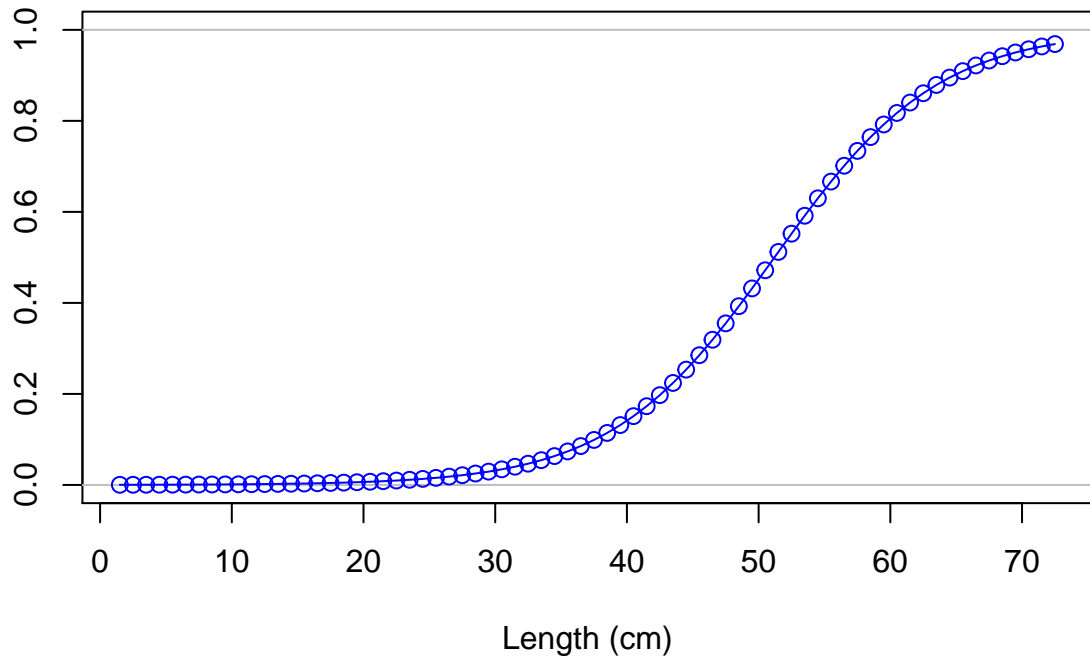
Selectivity



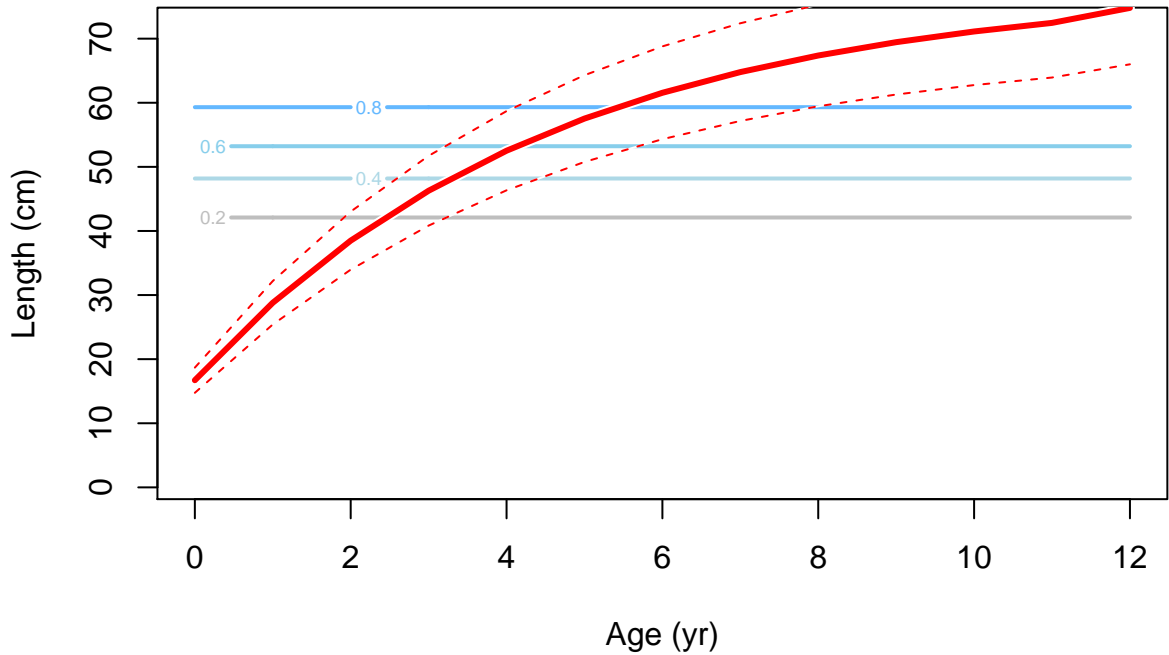
Selectivity



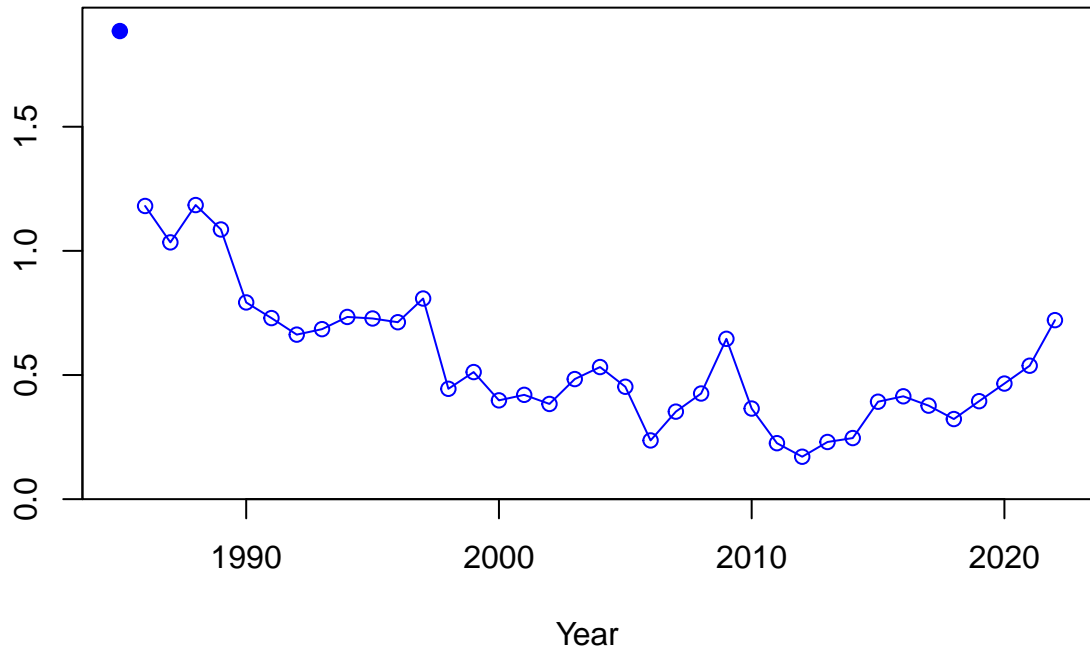
Selectivity



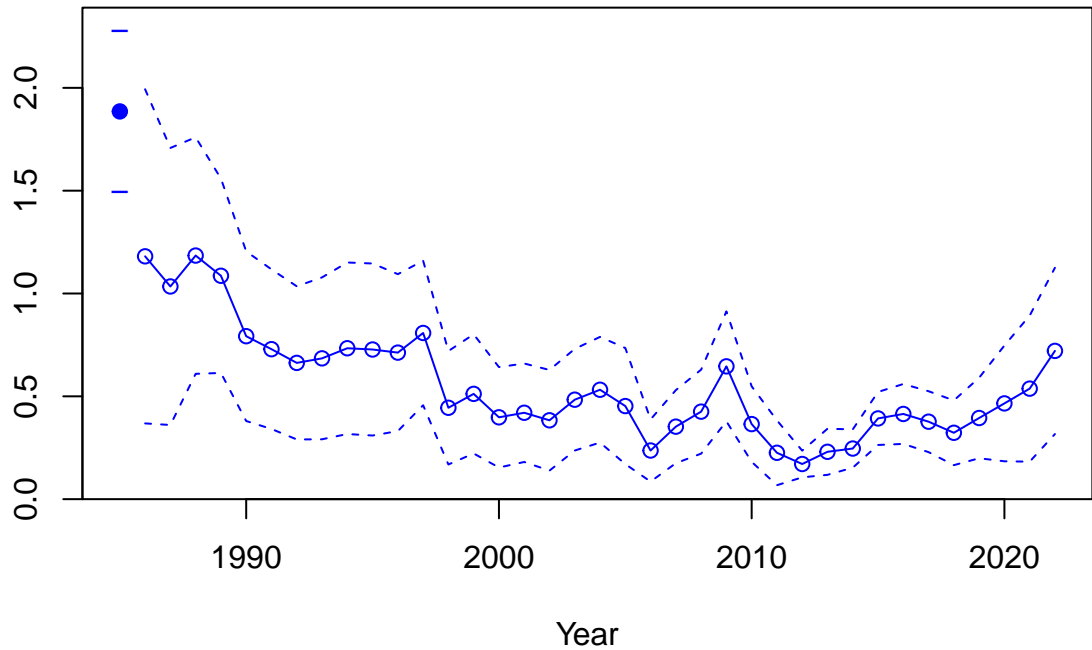




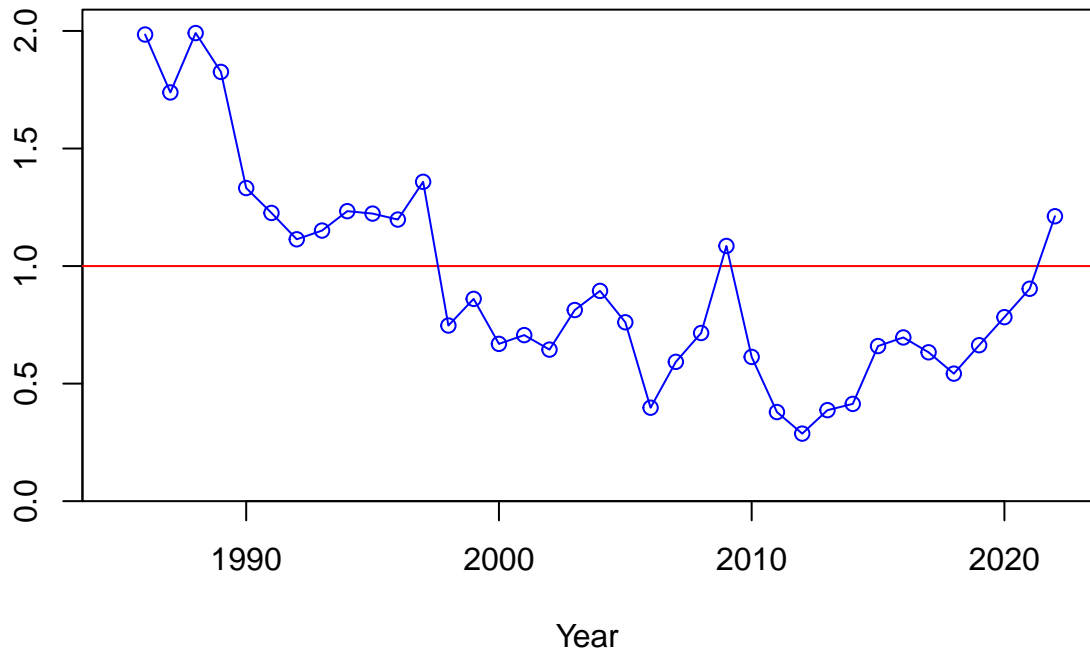
Spawning biomass (mt)



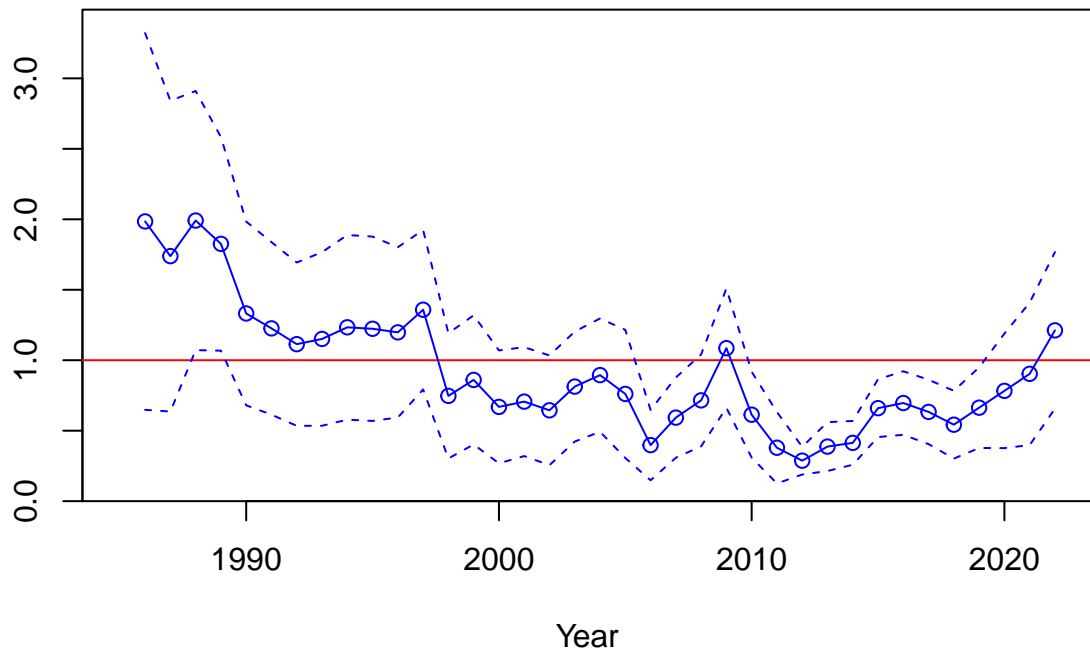
Spawning biomass (mt)

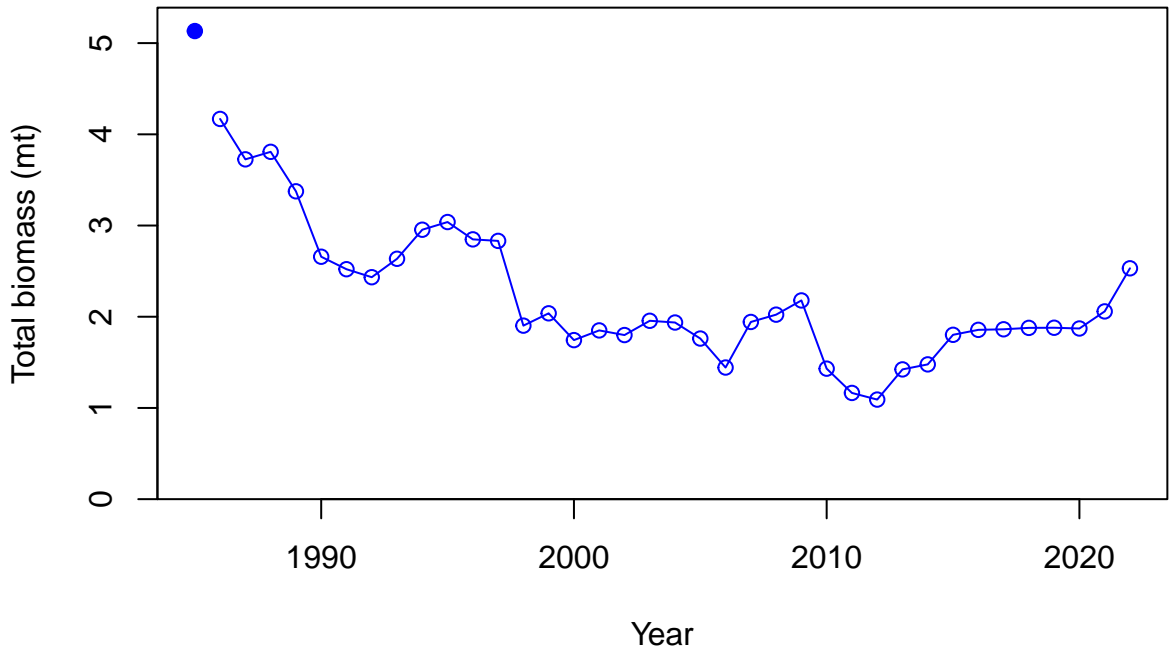


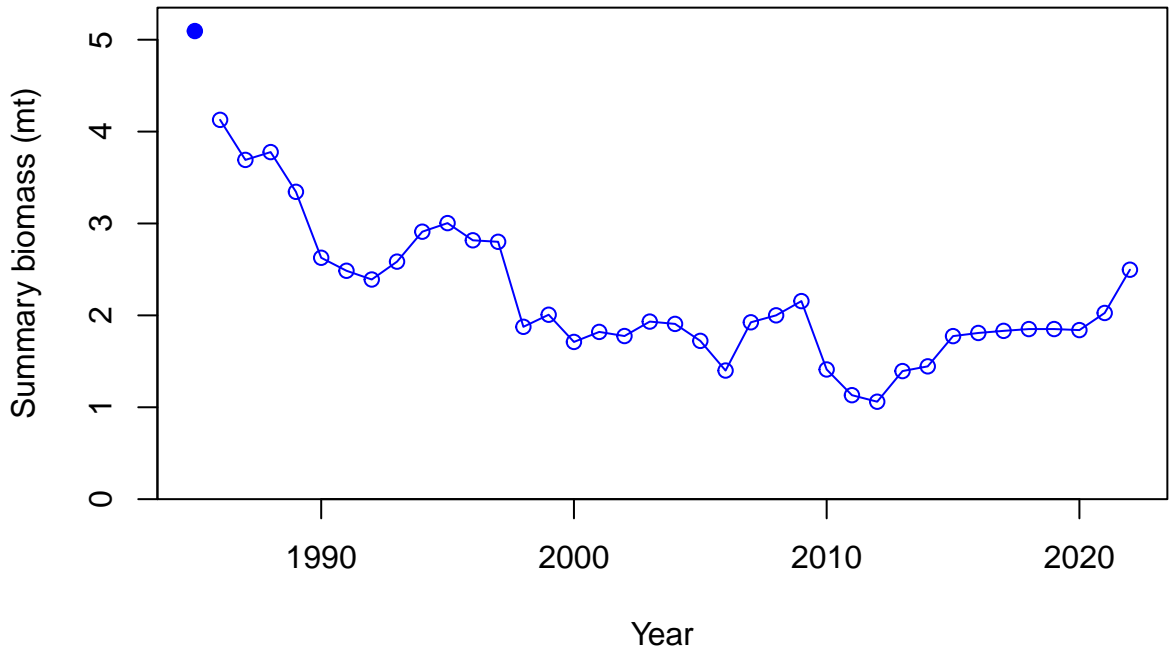
Relative spawning biomass:  $B/B_{MSY}$



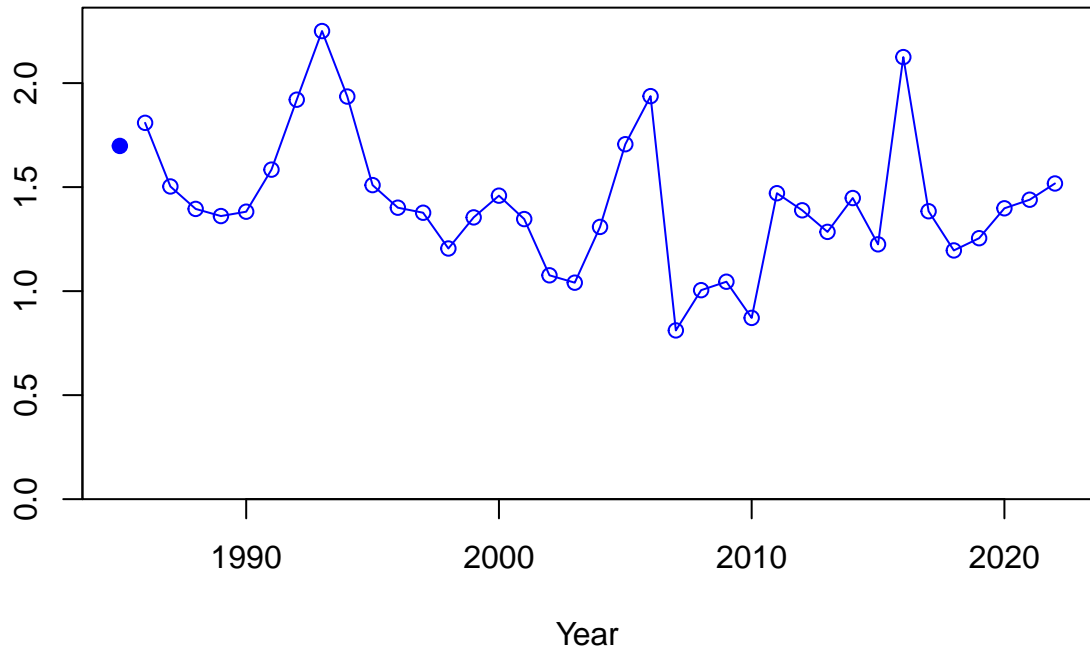
Relative spawning biomass:  $B/B_{MSY}$





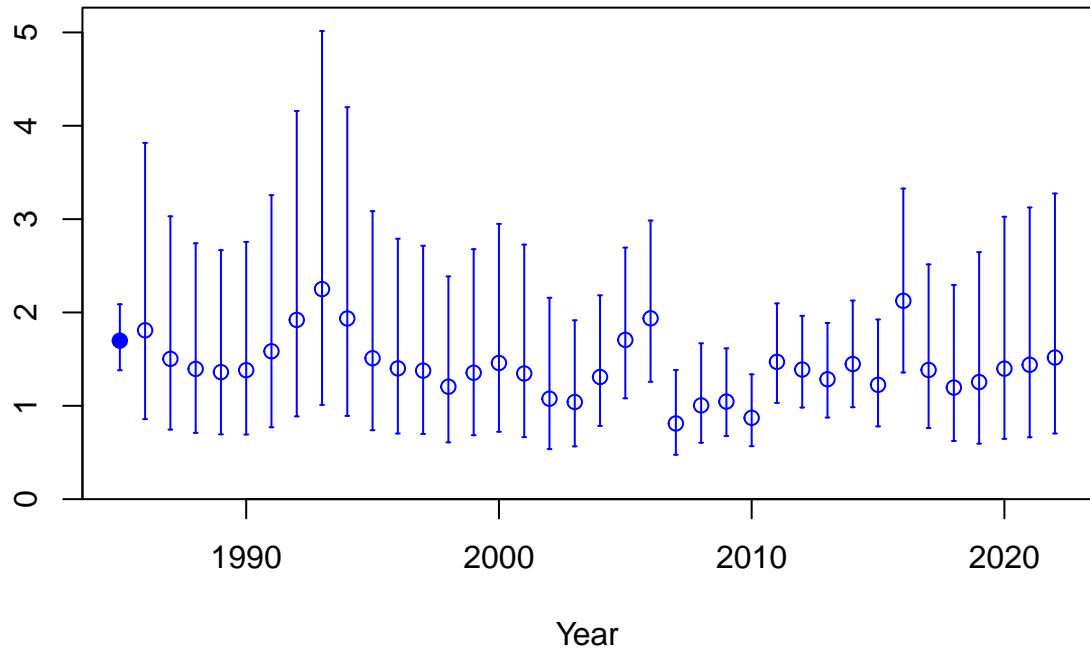


Age-0 recruits (1,000s)

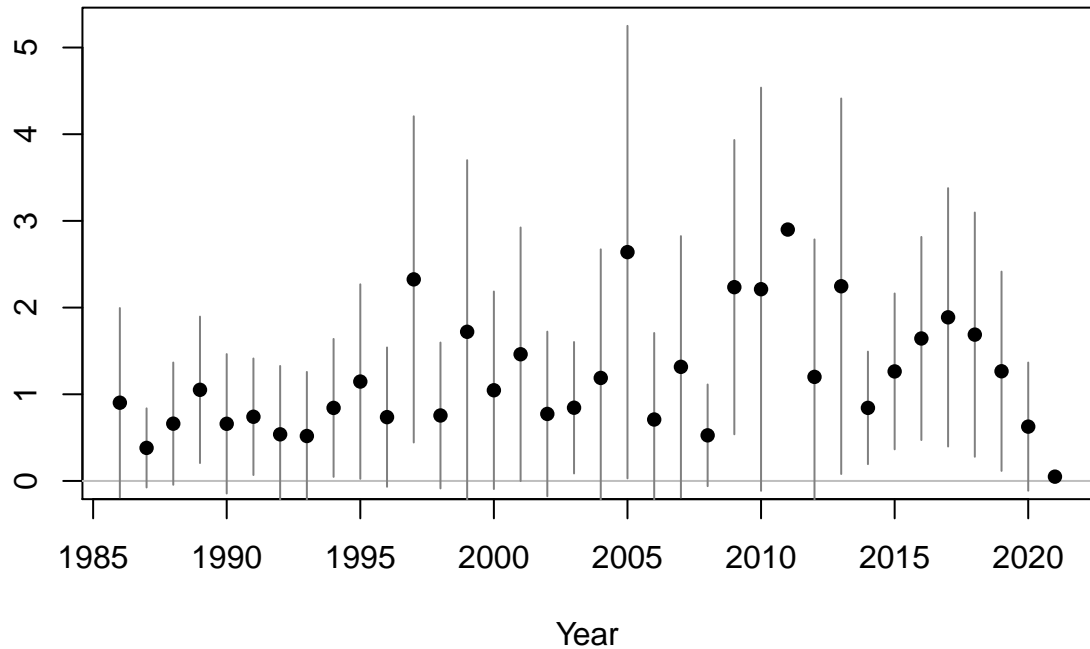


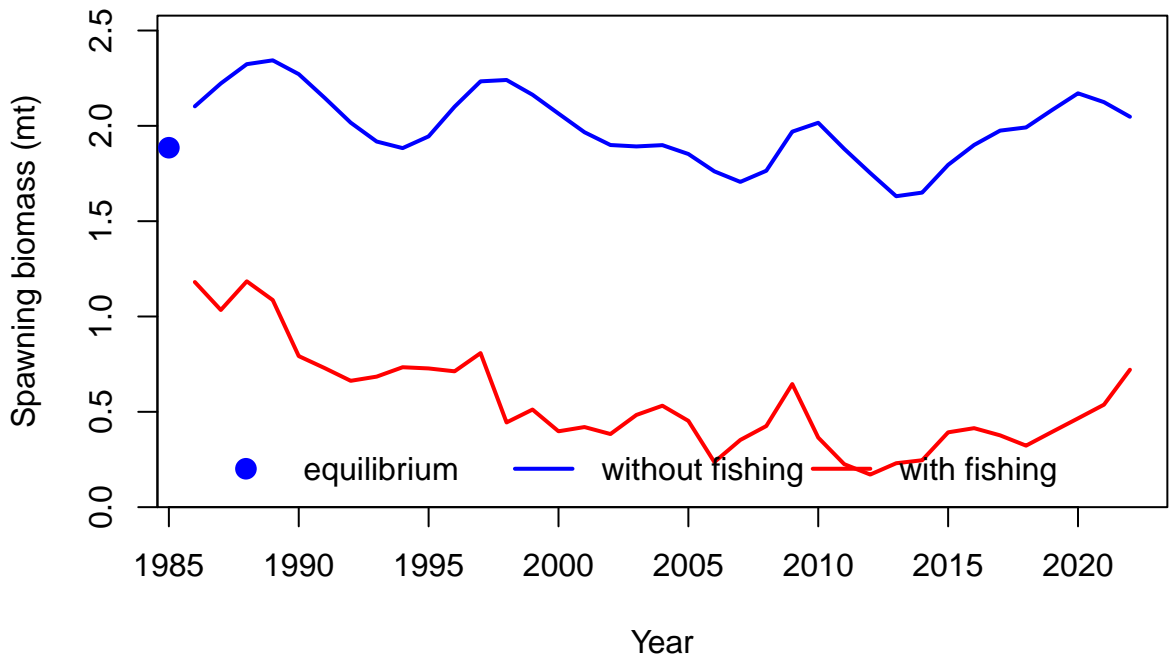


Age-0 recruits (1,000s)

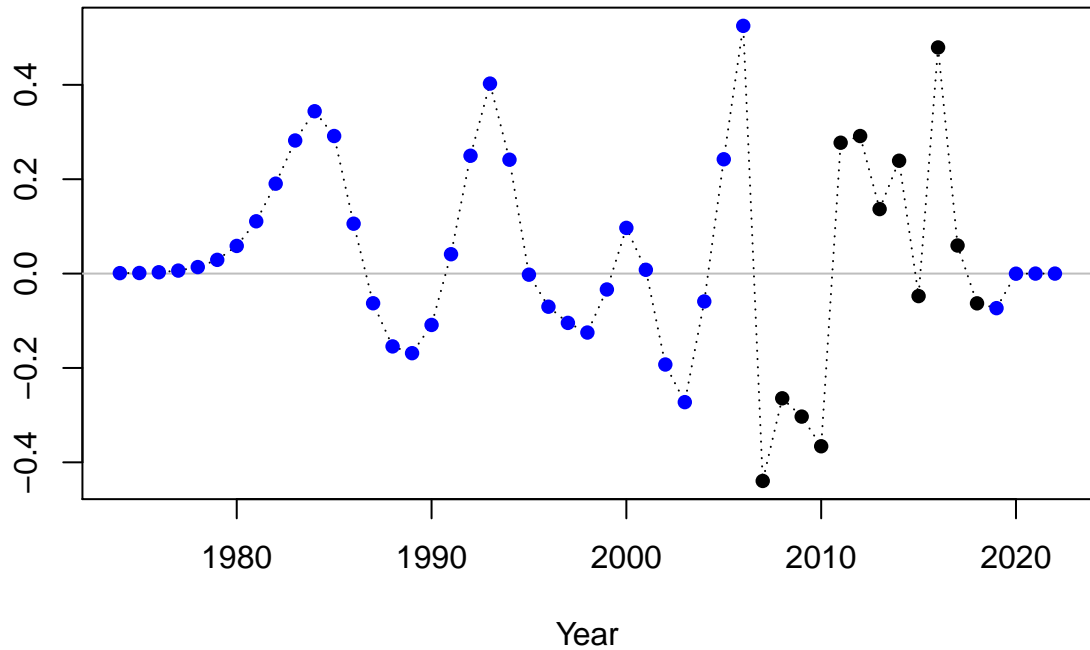


Summary Fishing Mortality

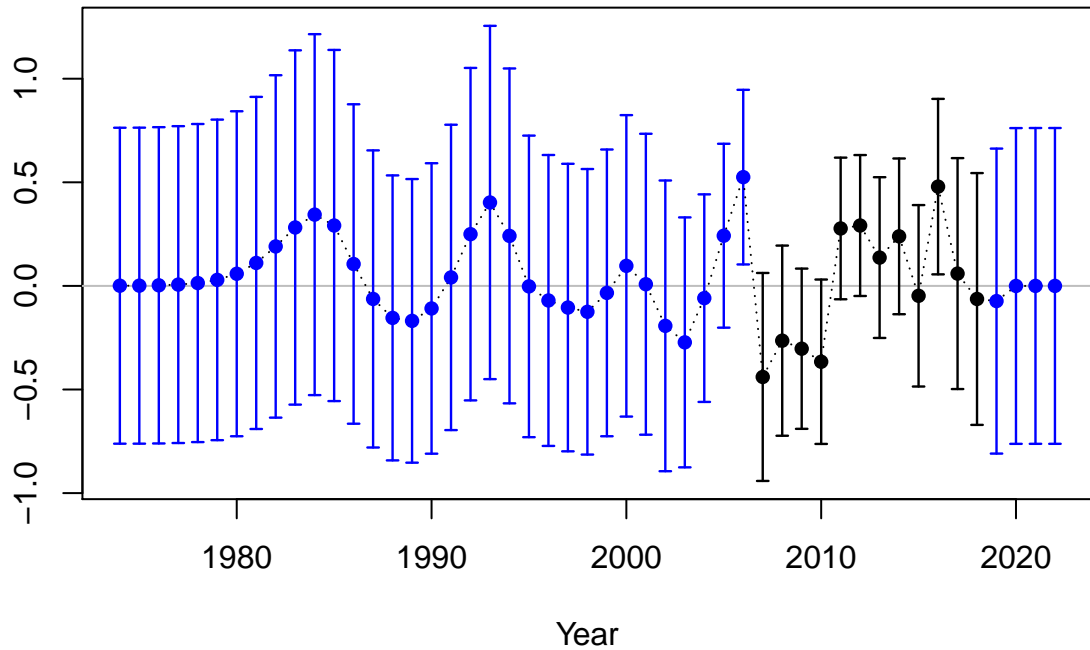




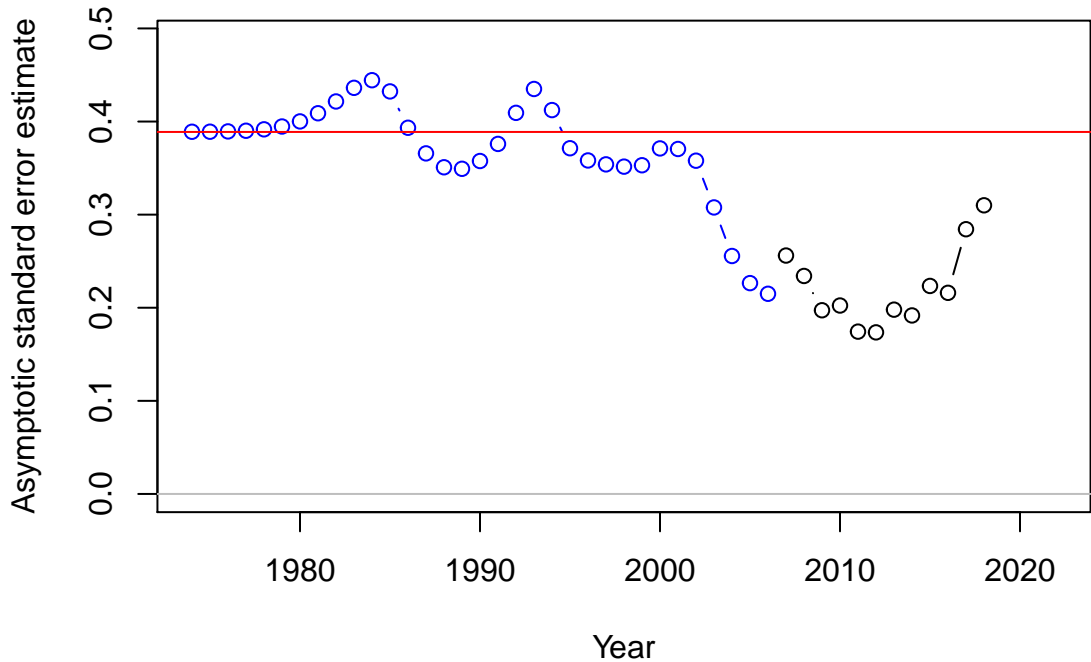
Log recruitment deviation

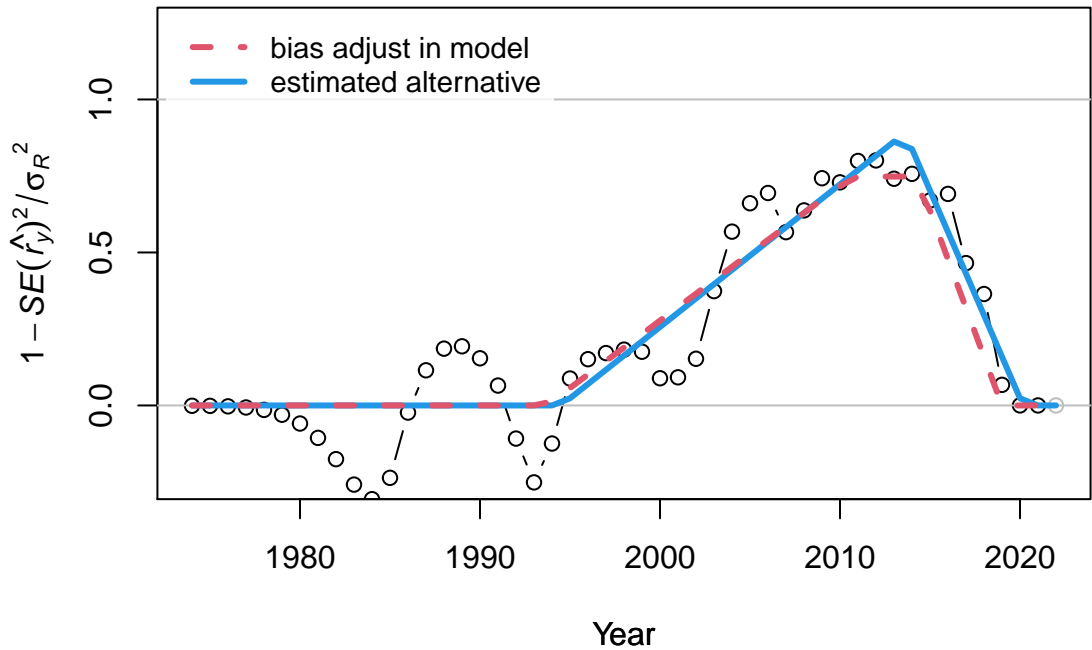


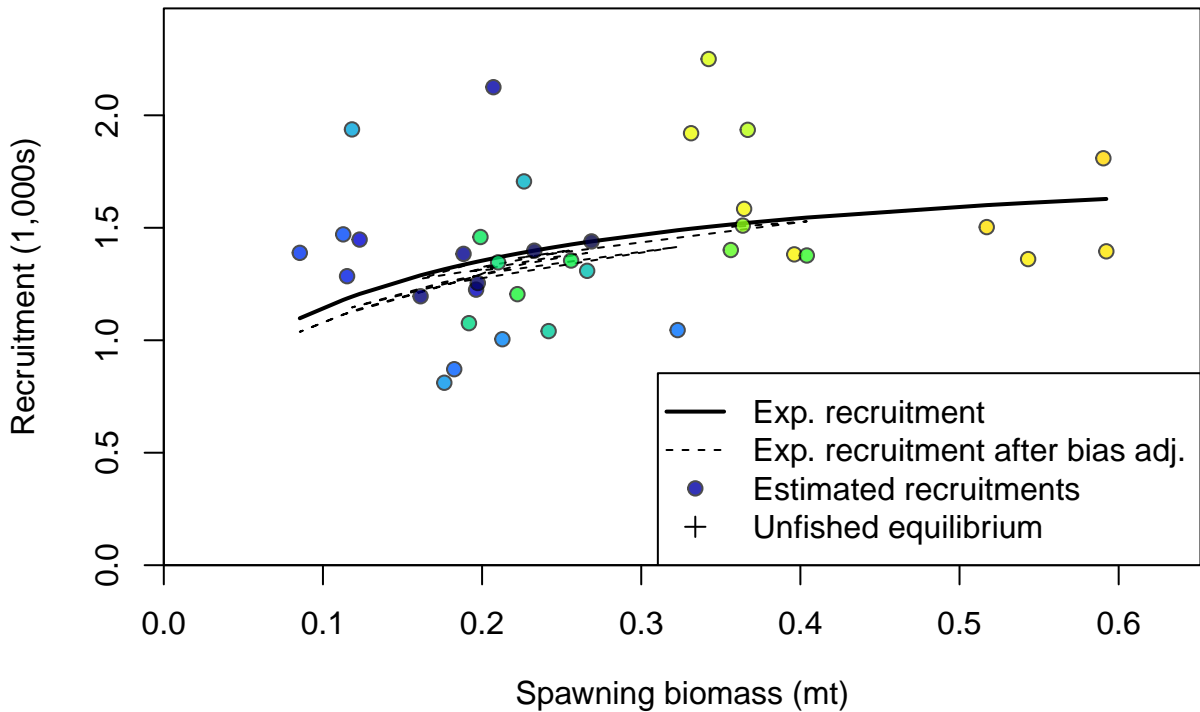
Log recruitment deviation



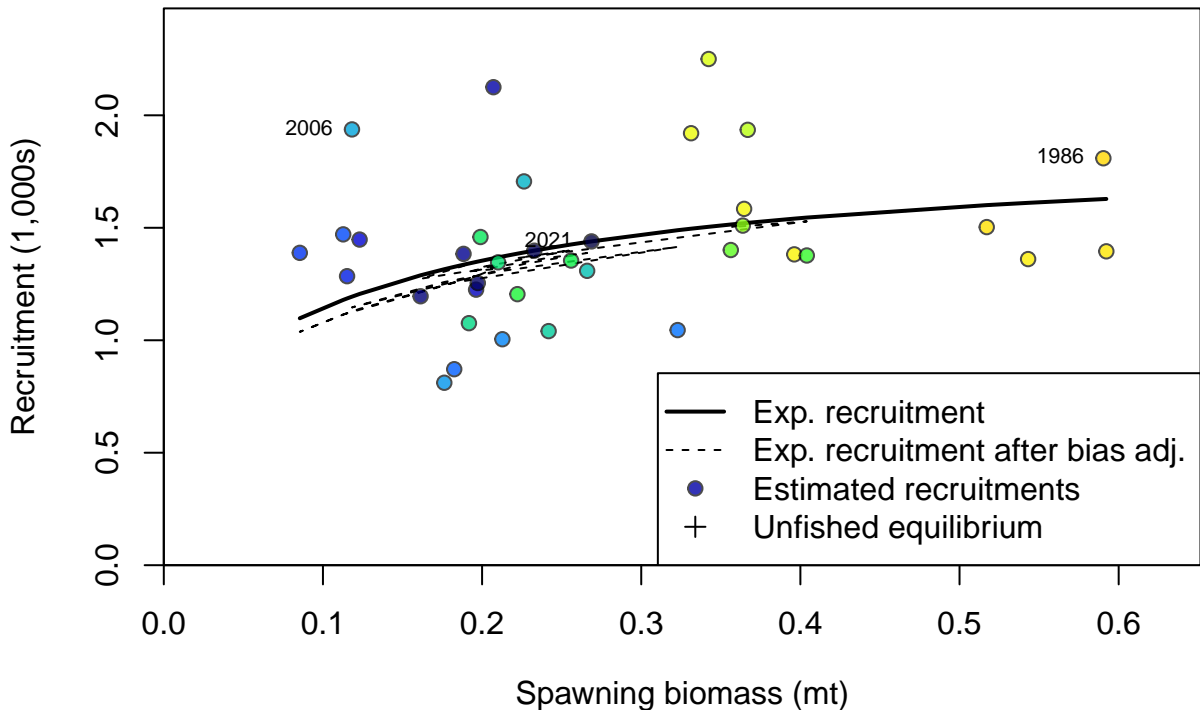
## Recruitment deviation variance

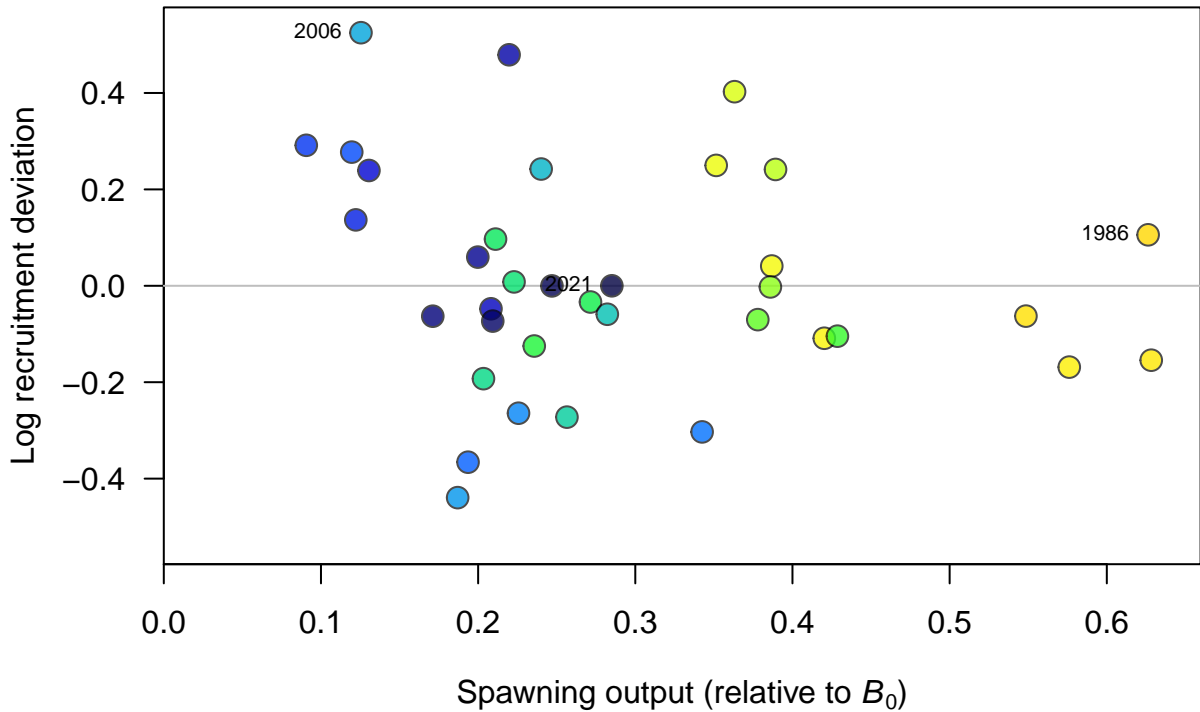


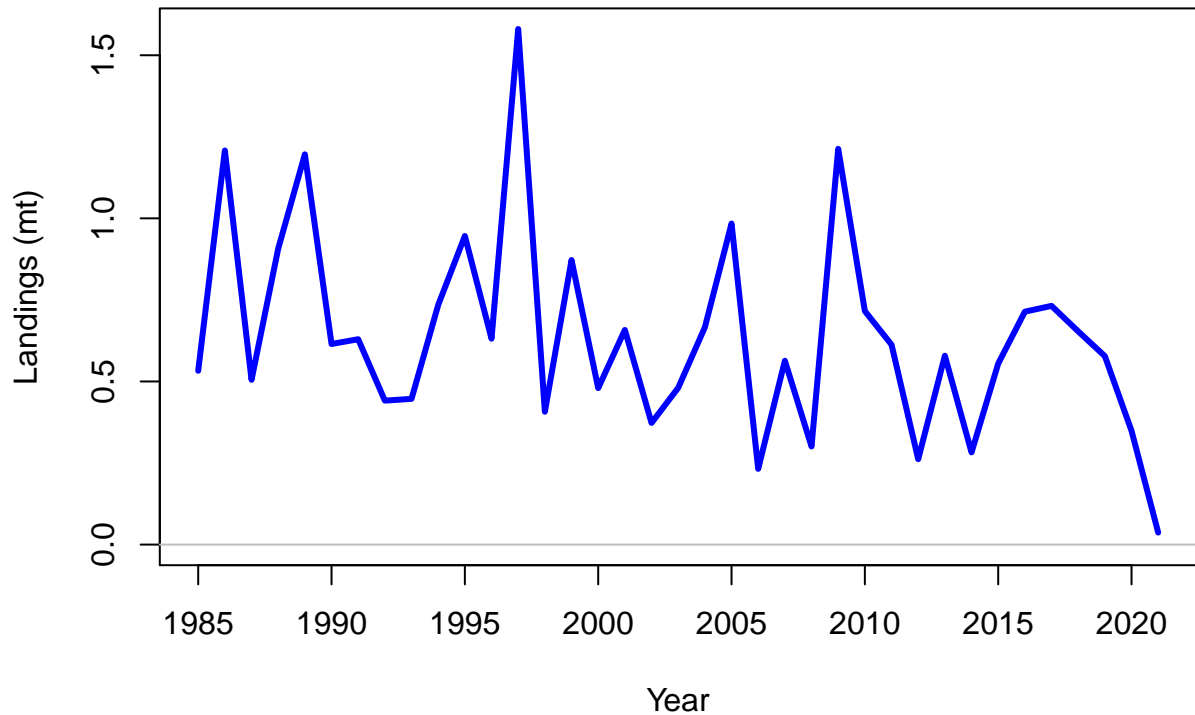


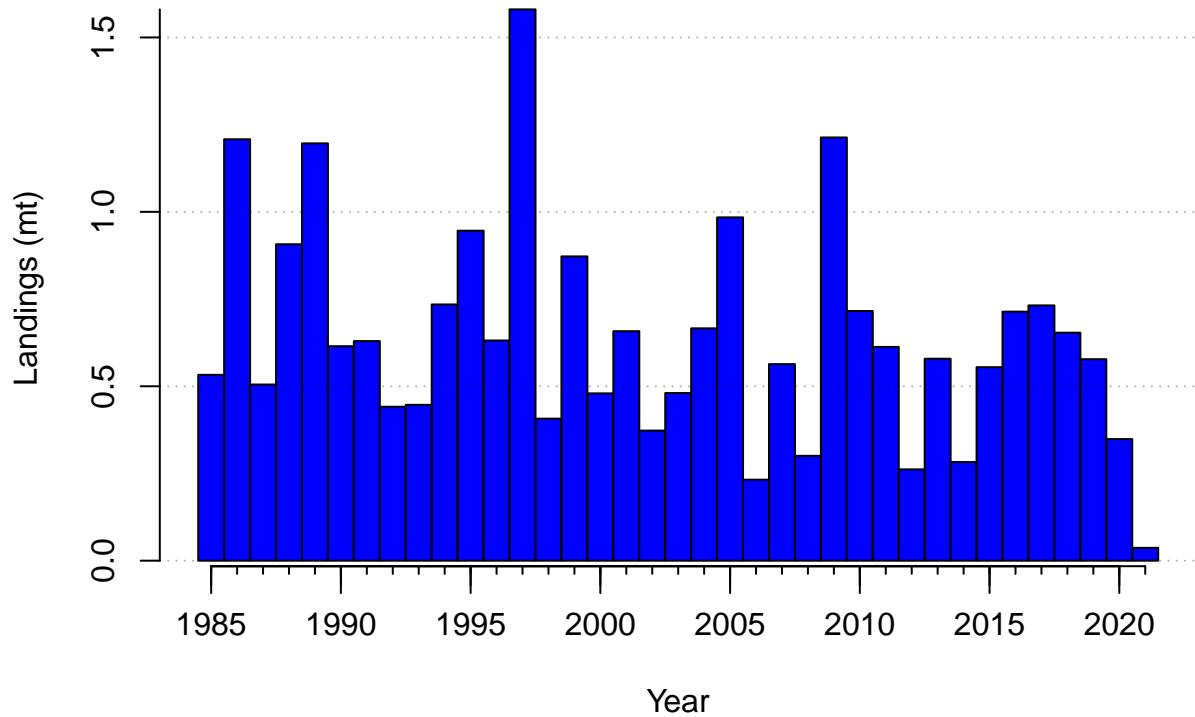


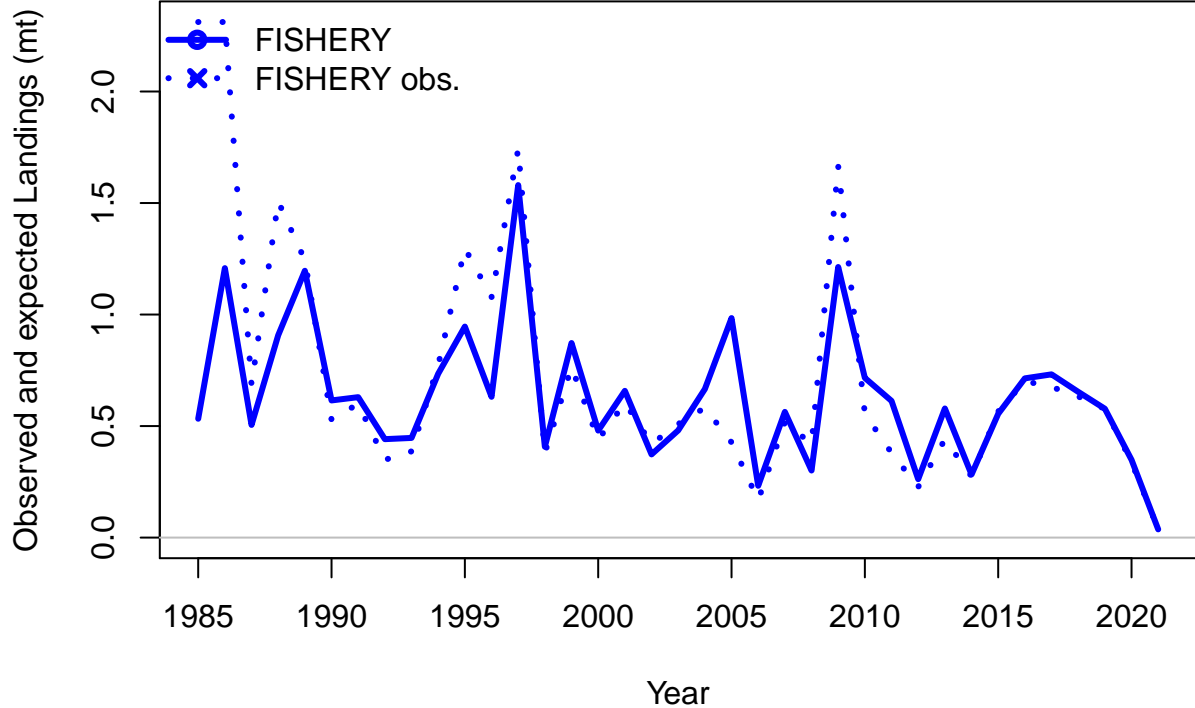


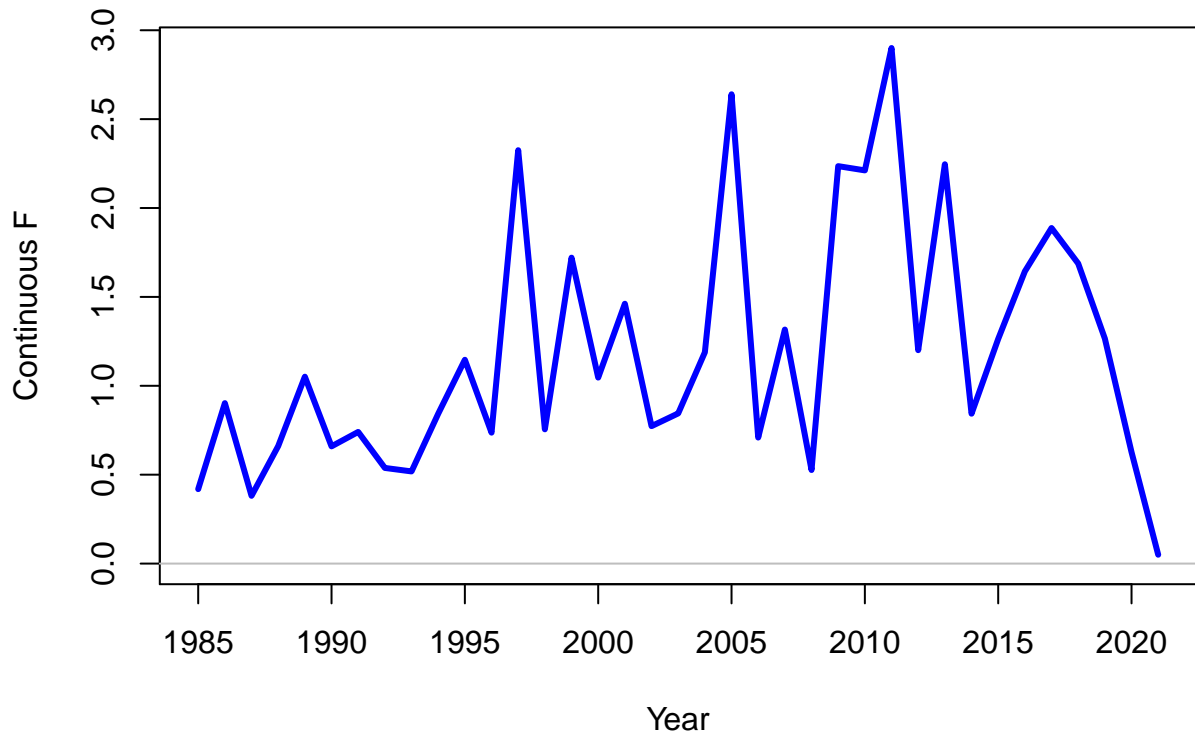




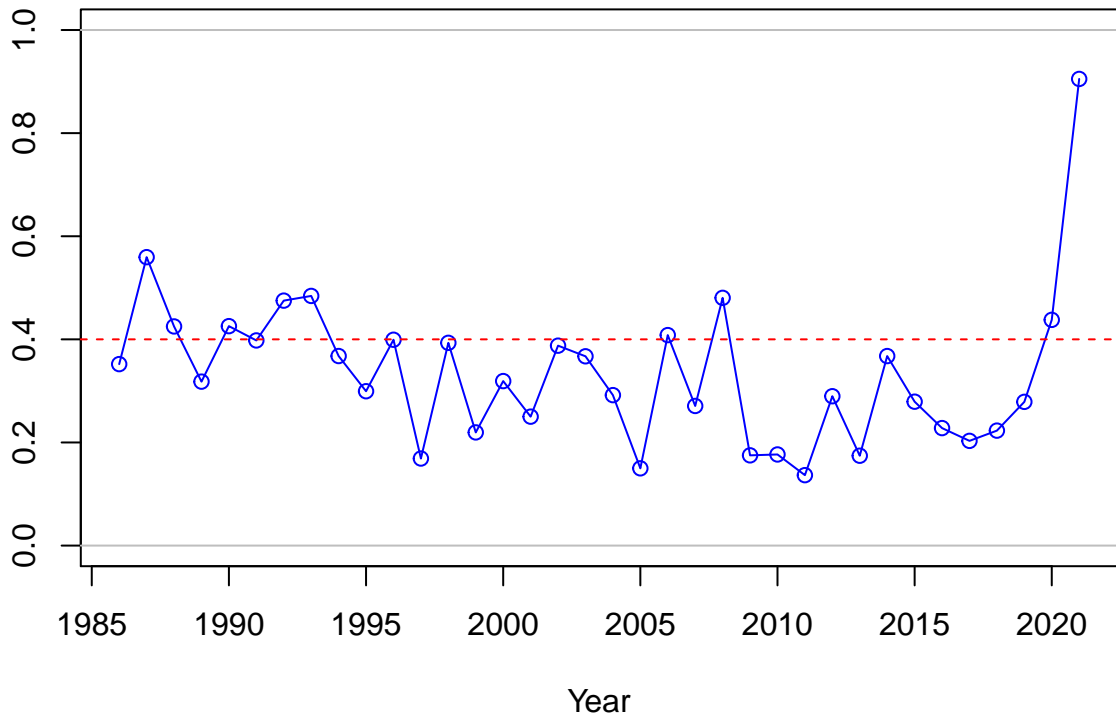




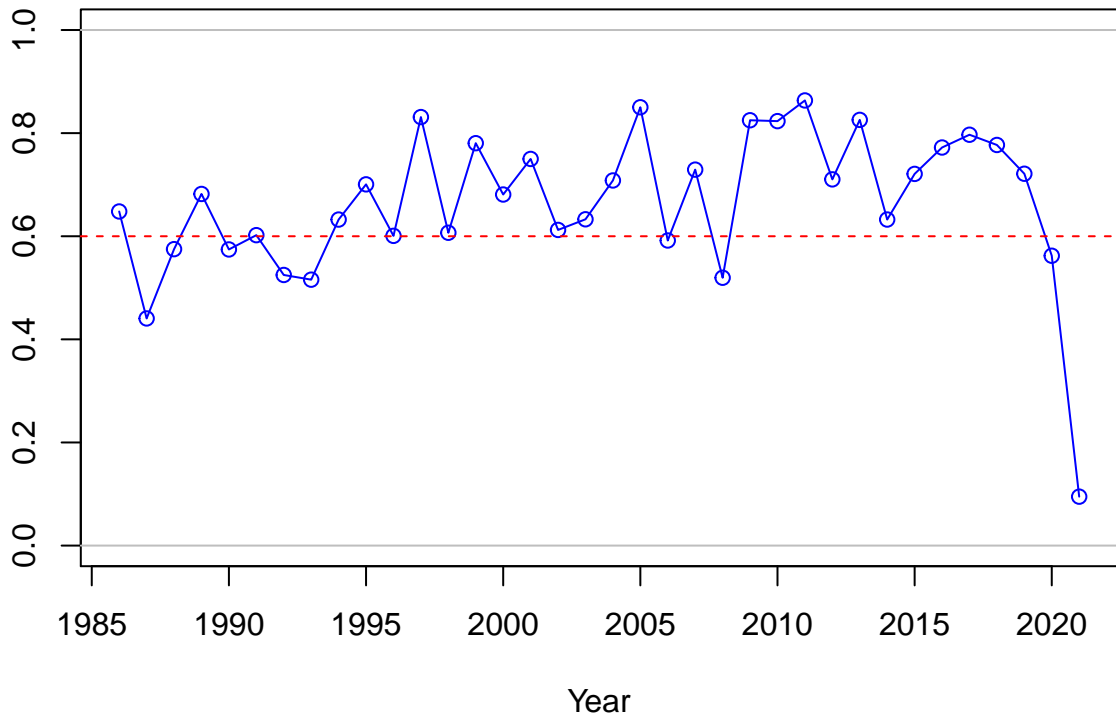




SPR

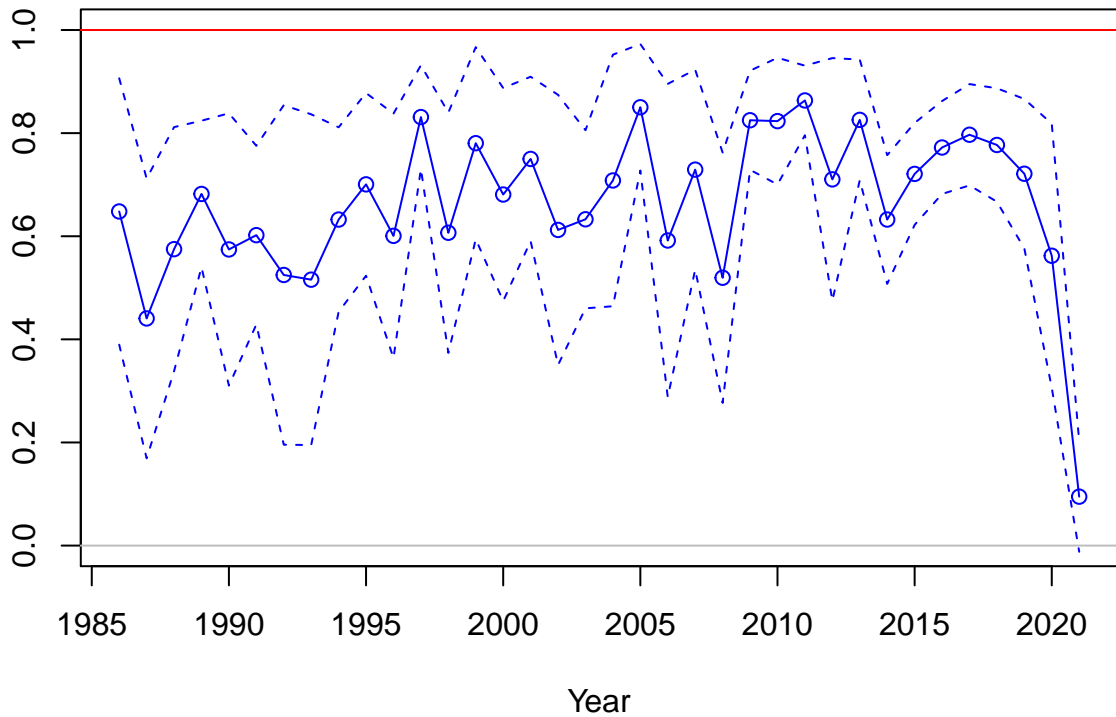


1-SPR

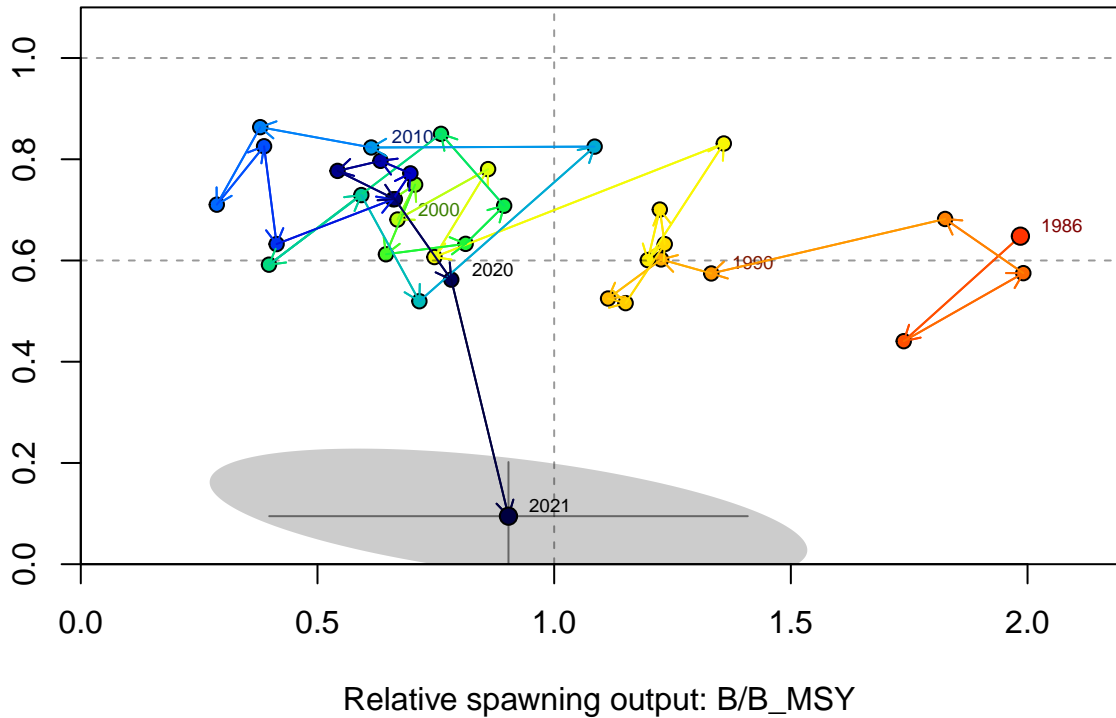


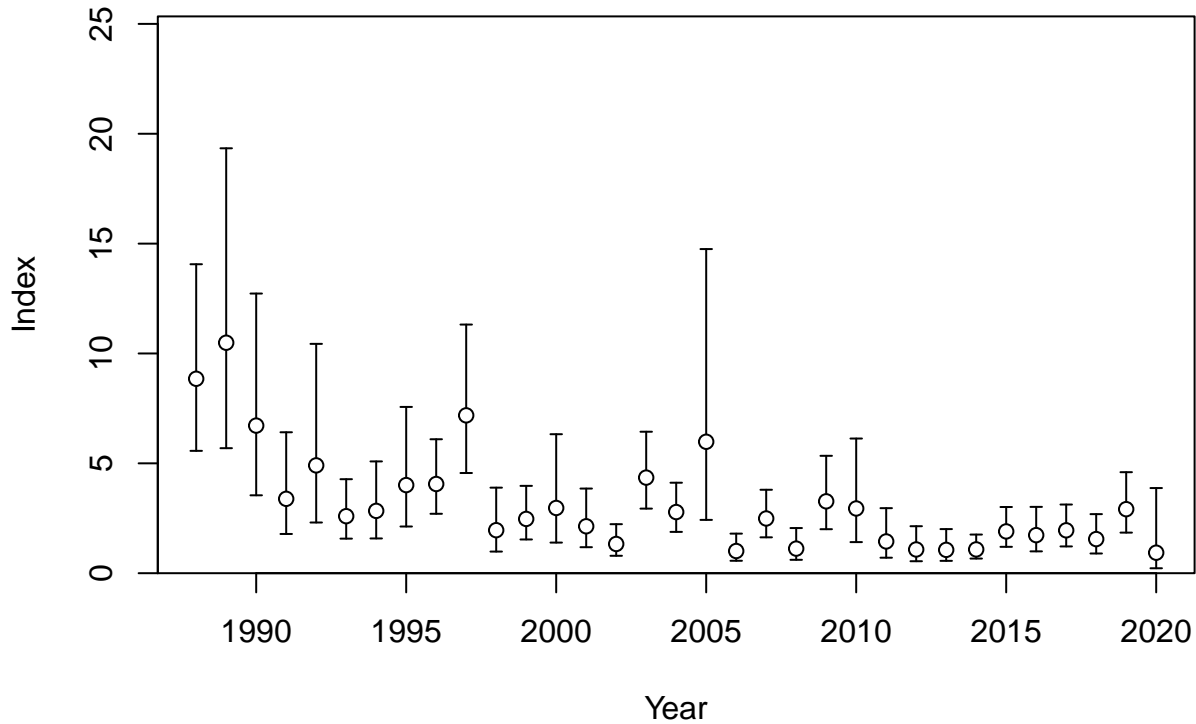


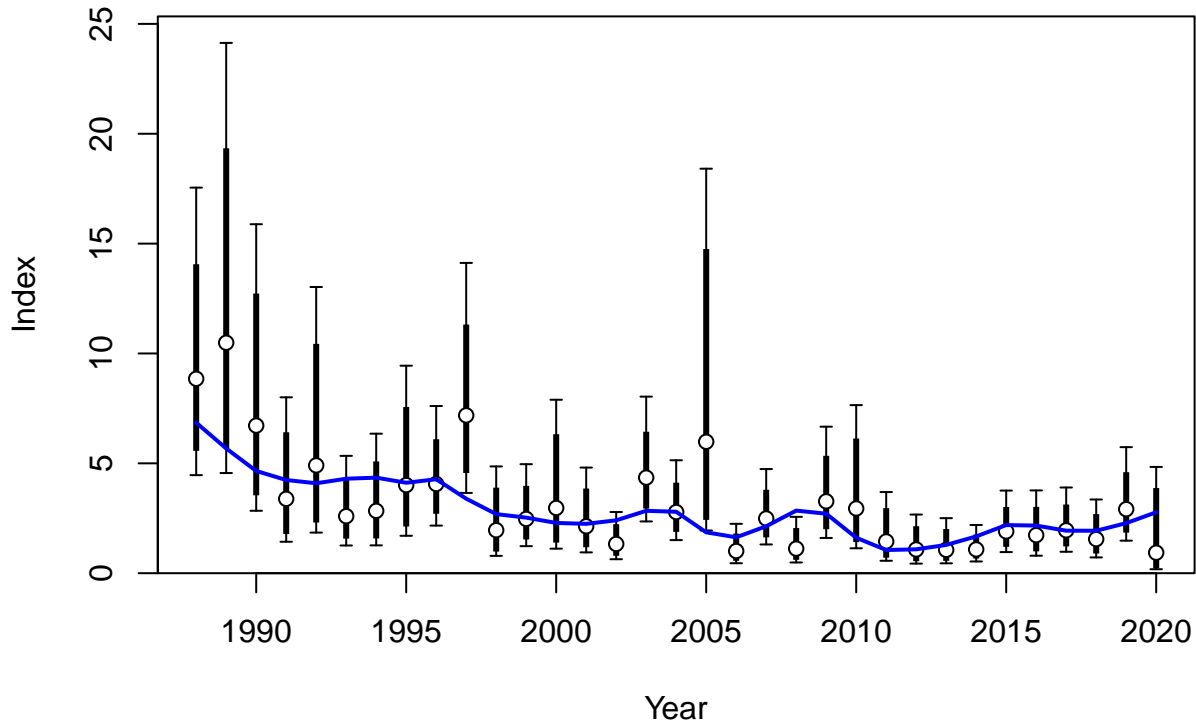
Fishing intensity: 1-SPR

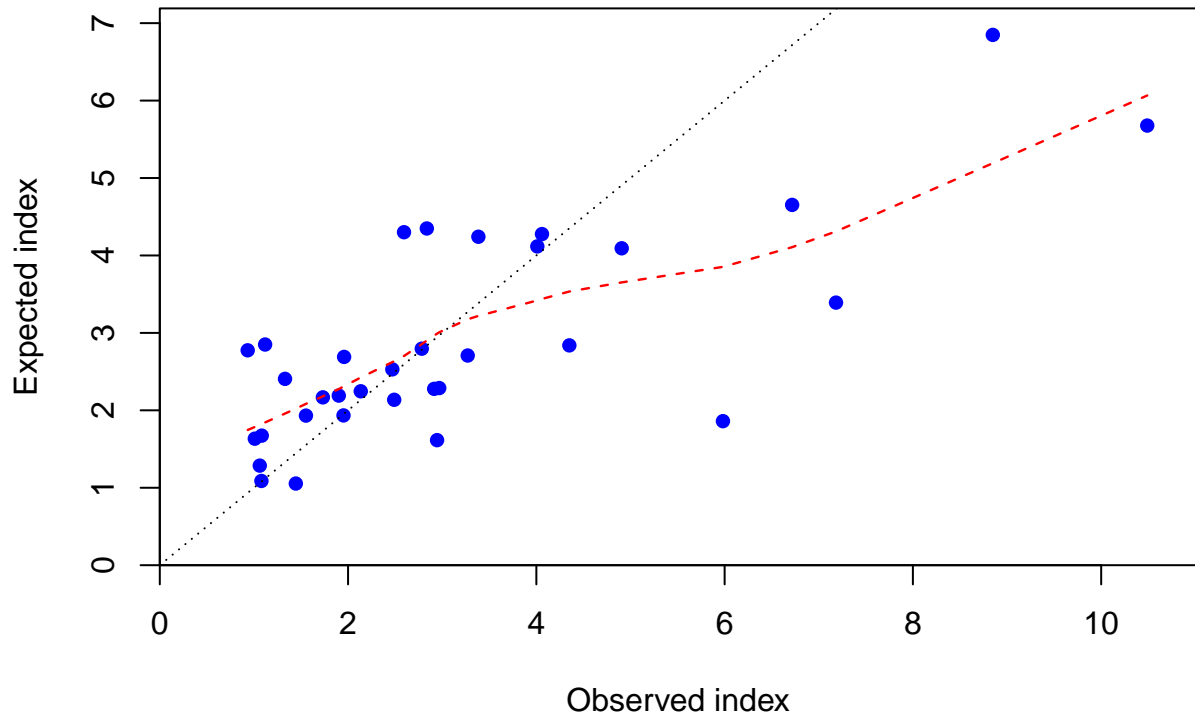


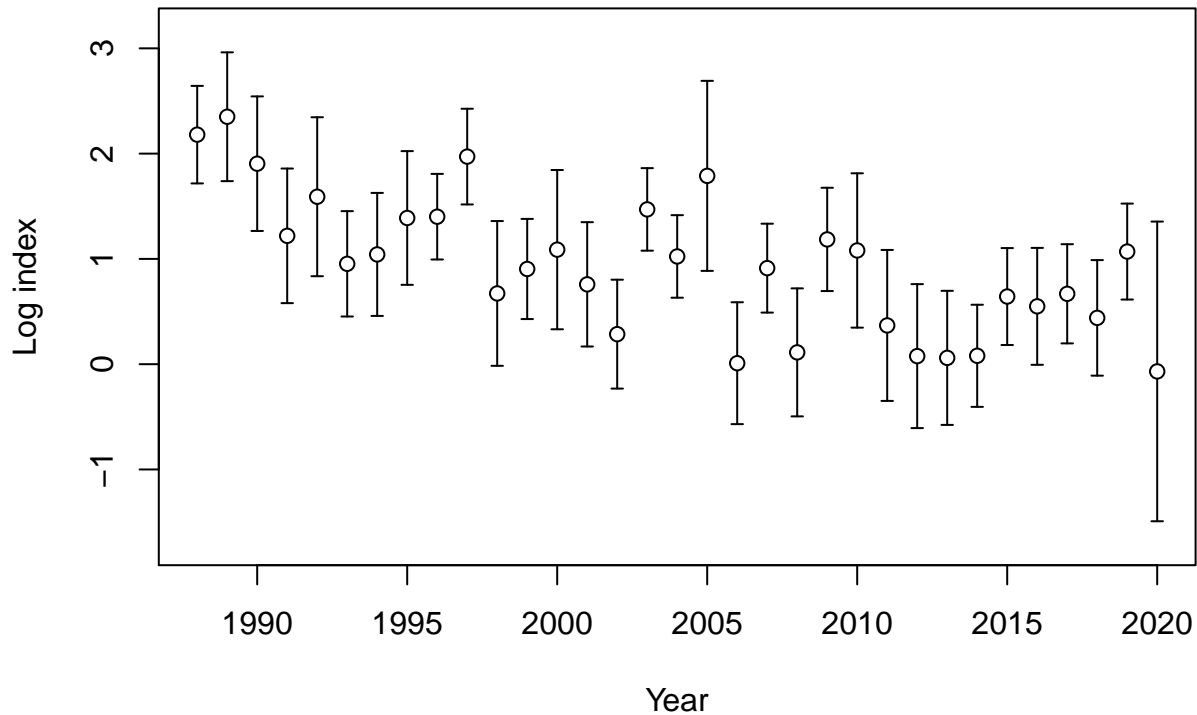
Fishing intensity: 1-SPR

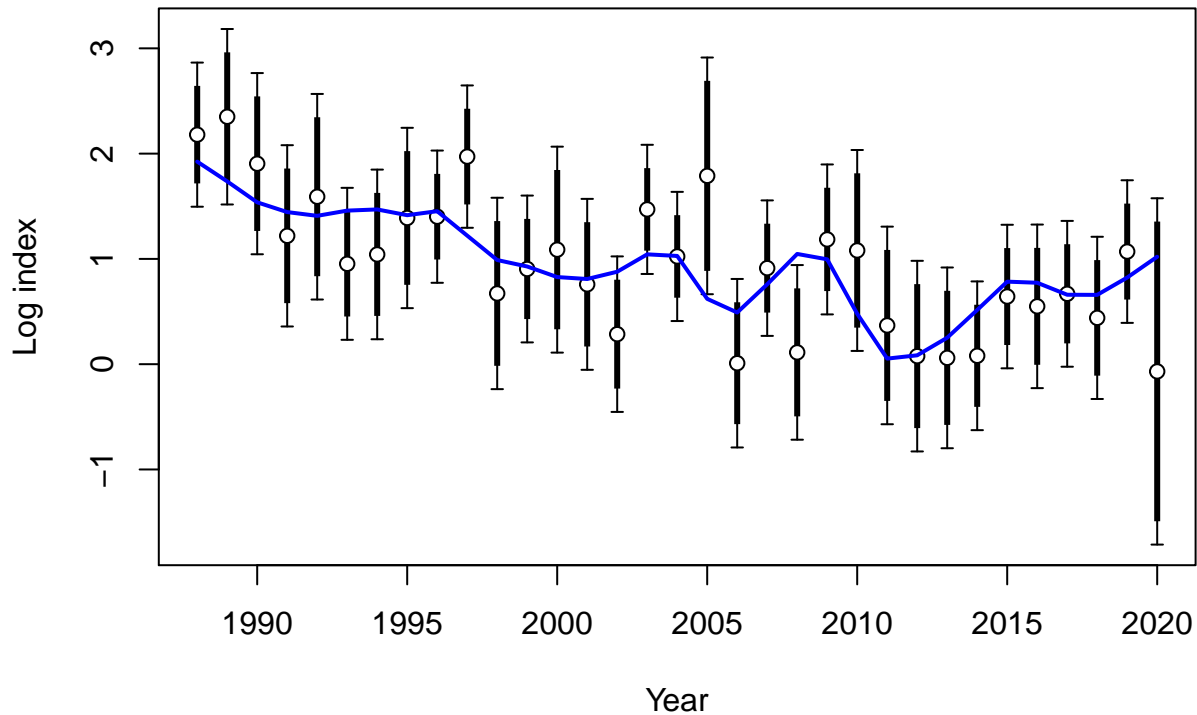


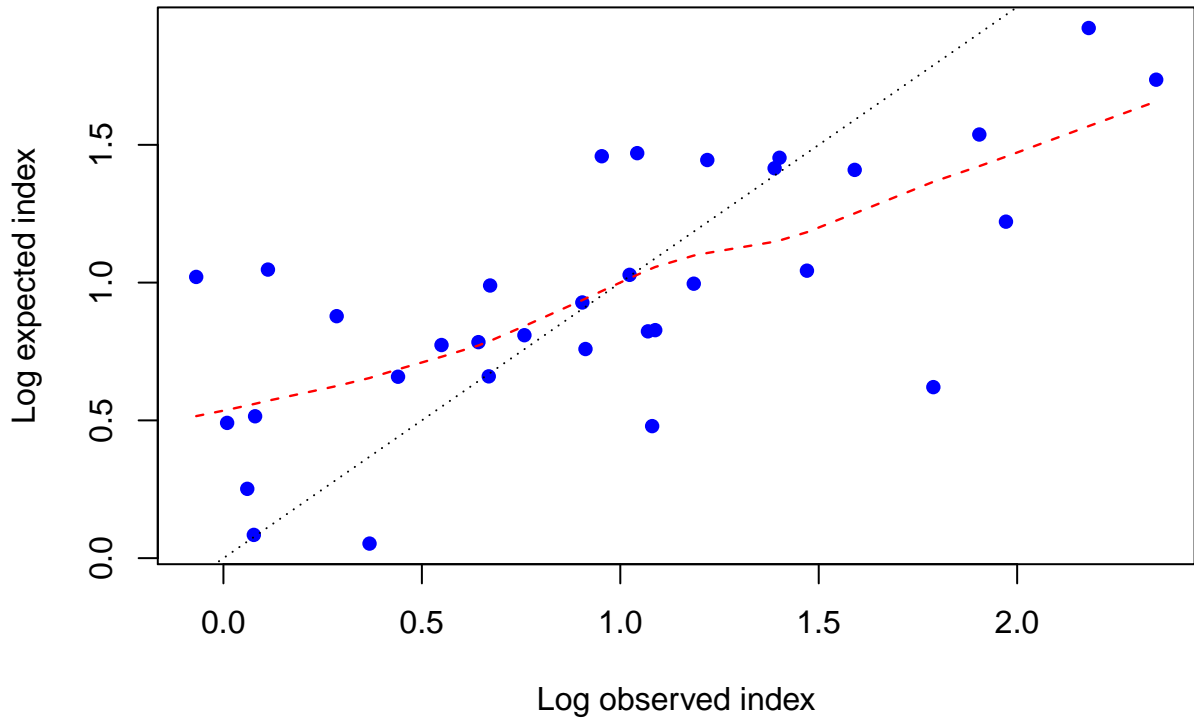






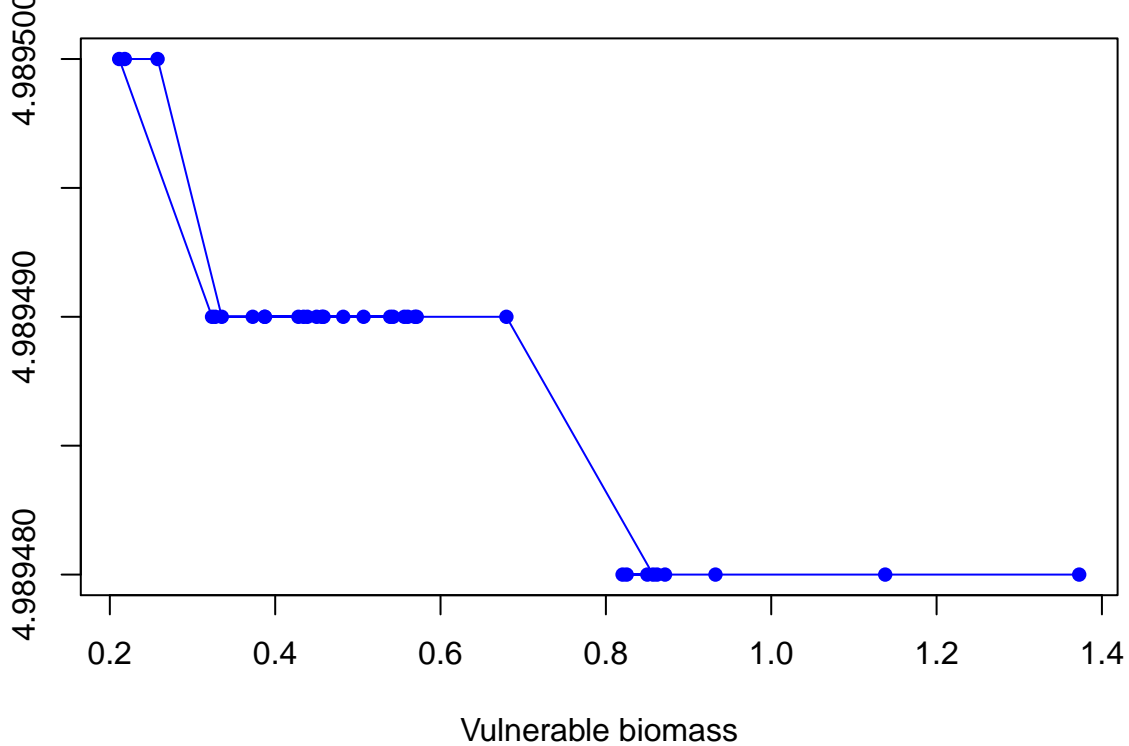


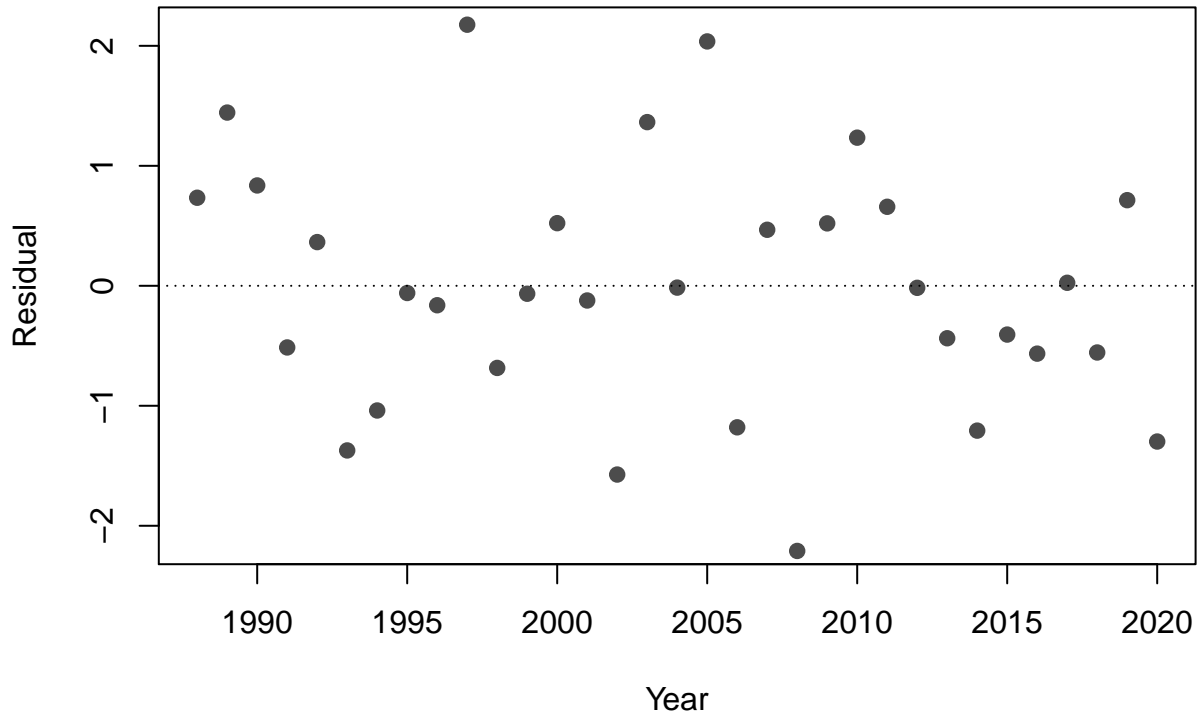


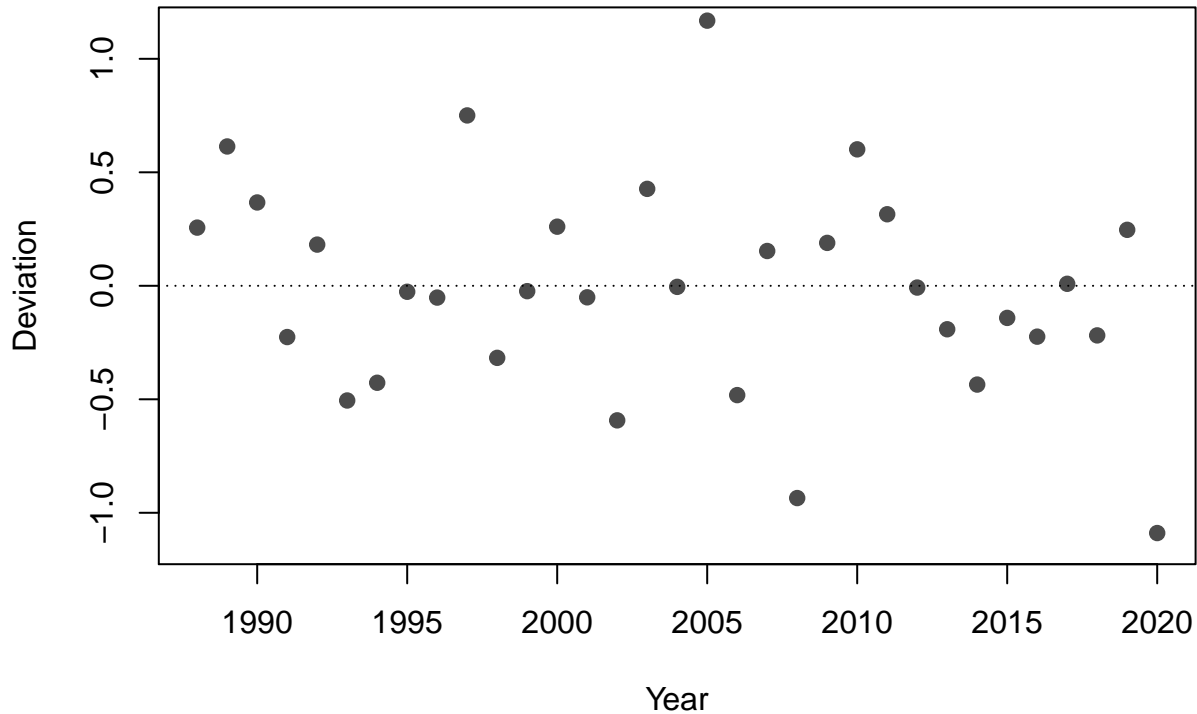


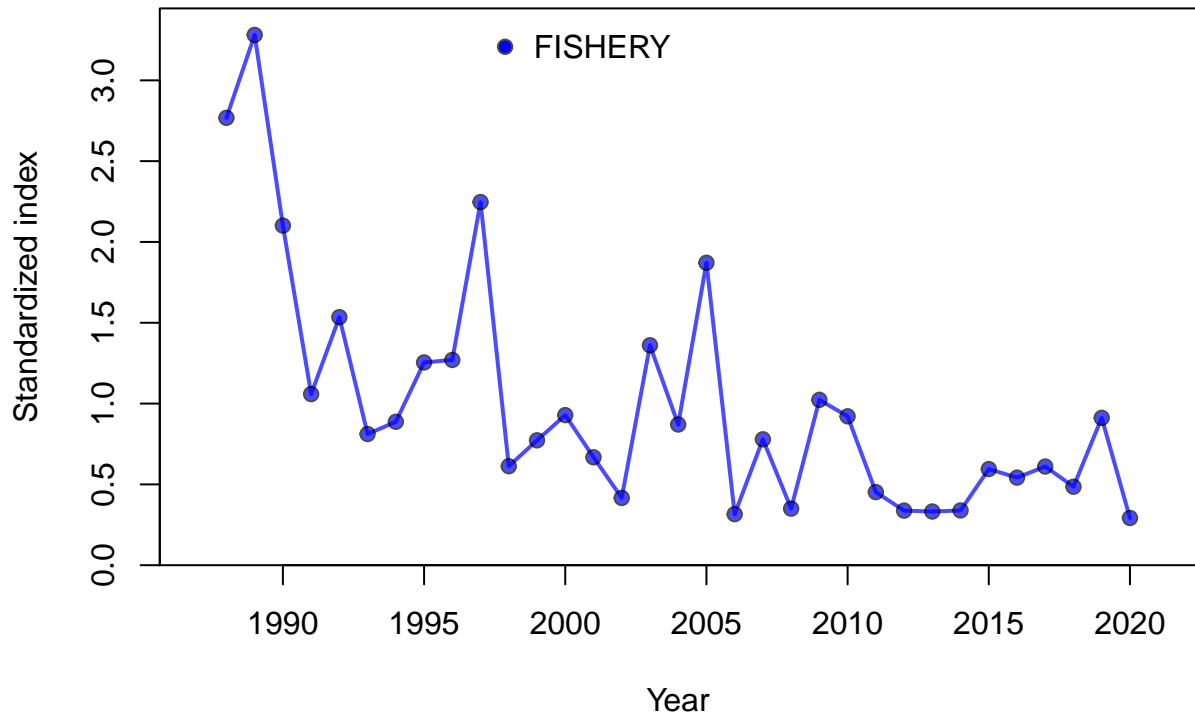


Effective catchability

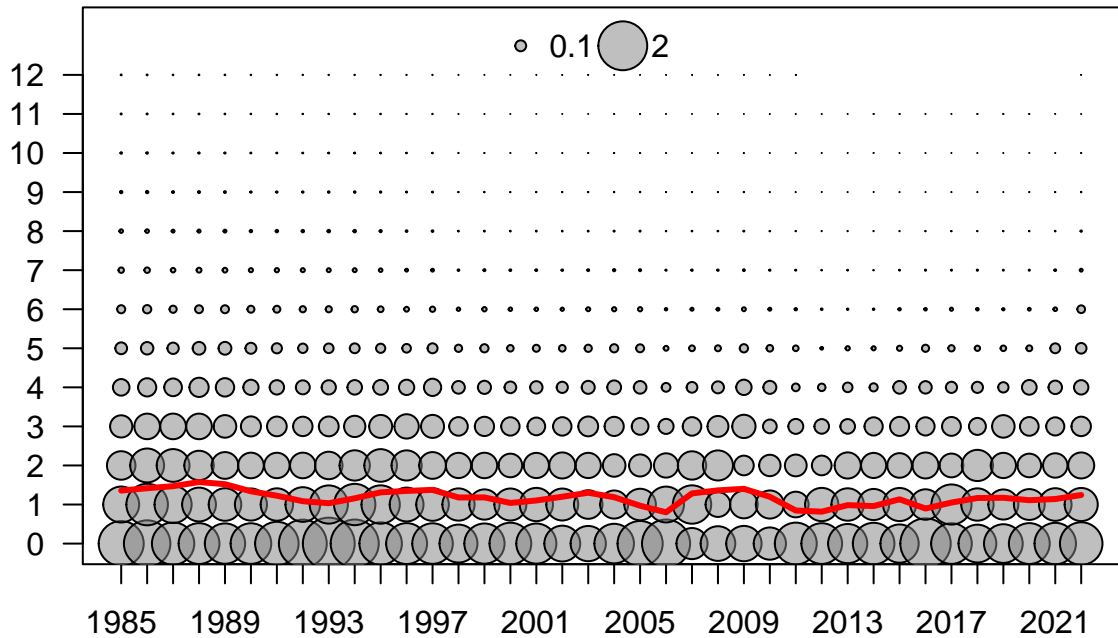




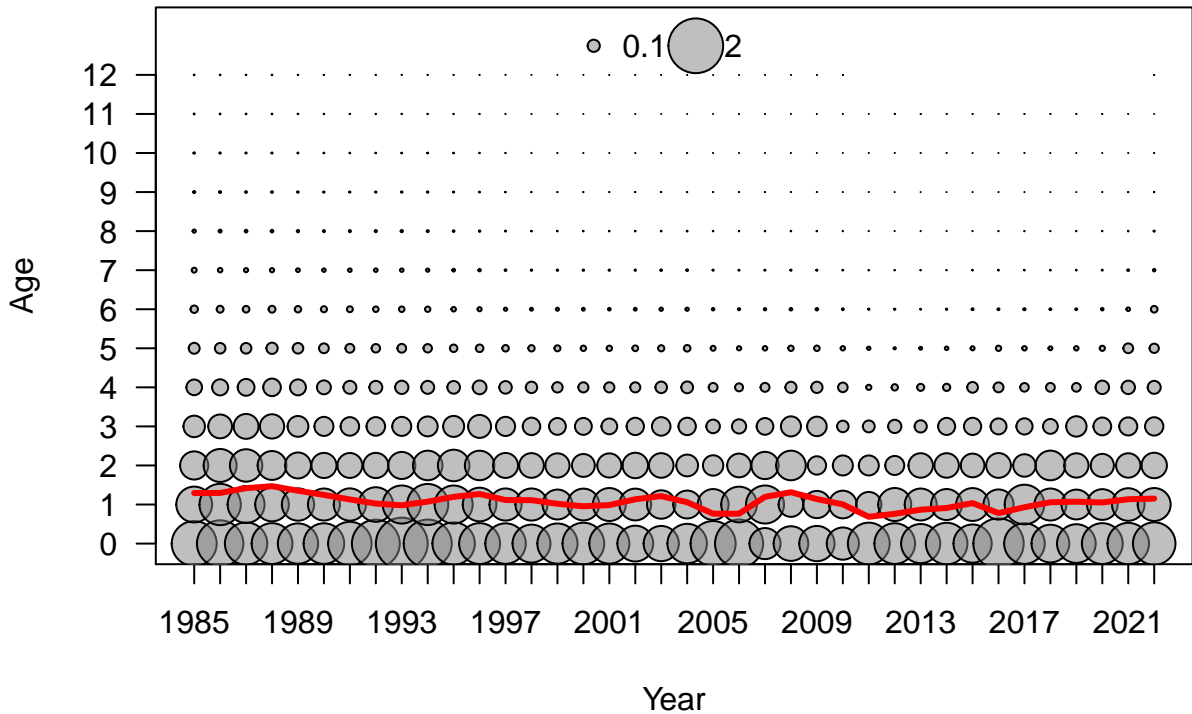


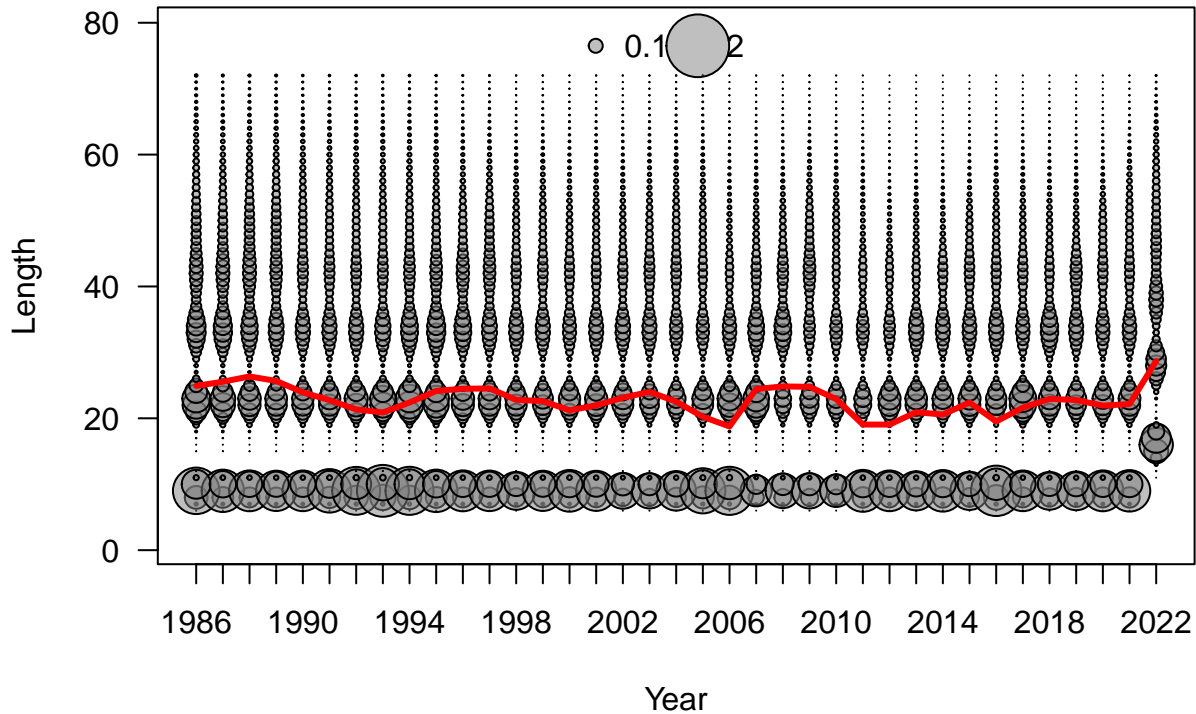


Age

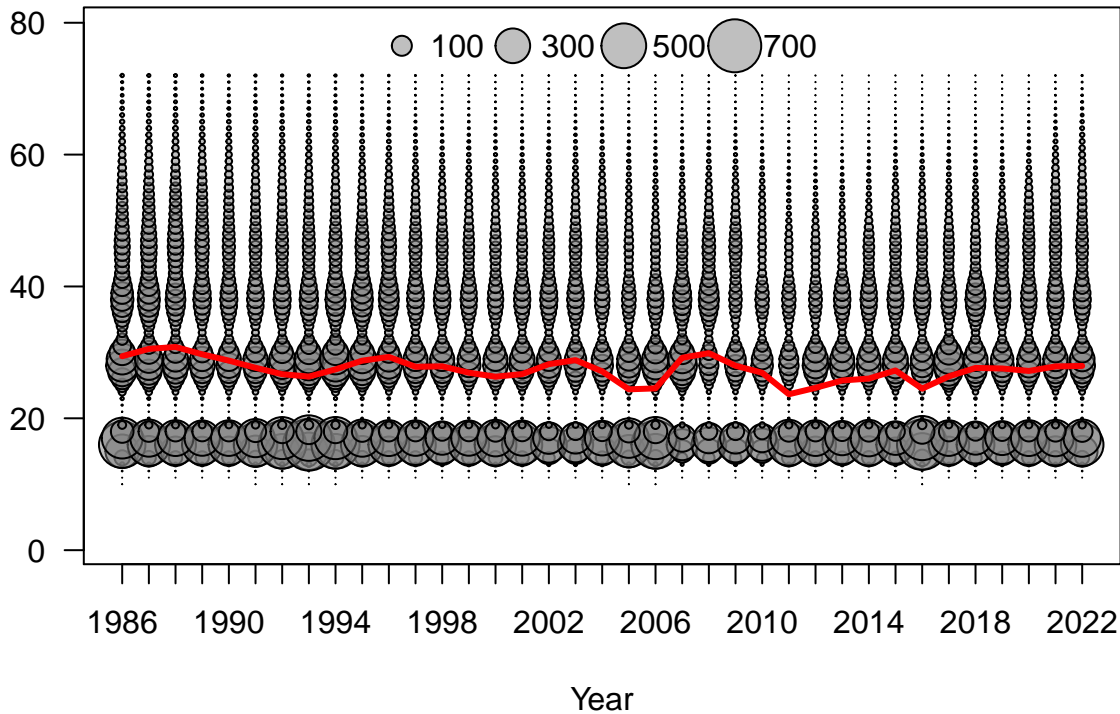


Year

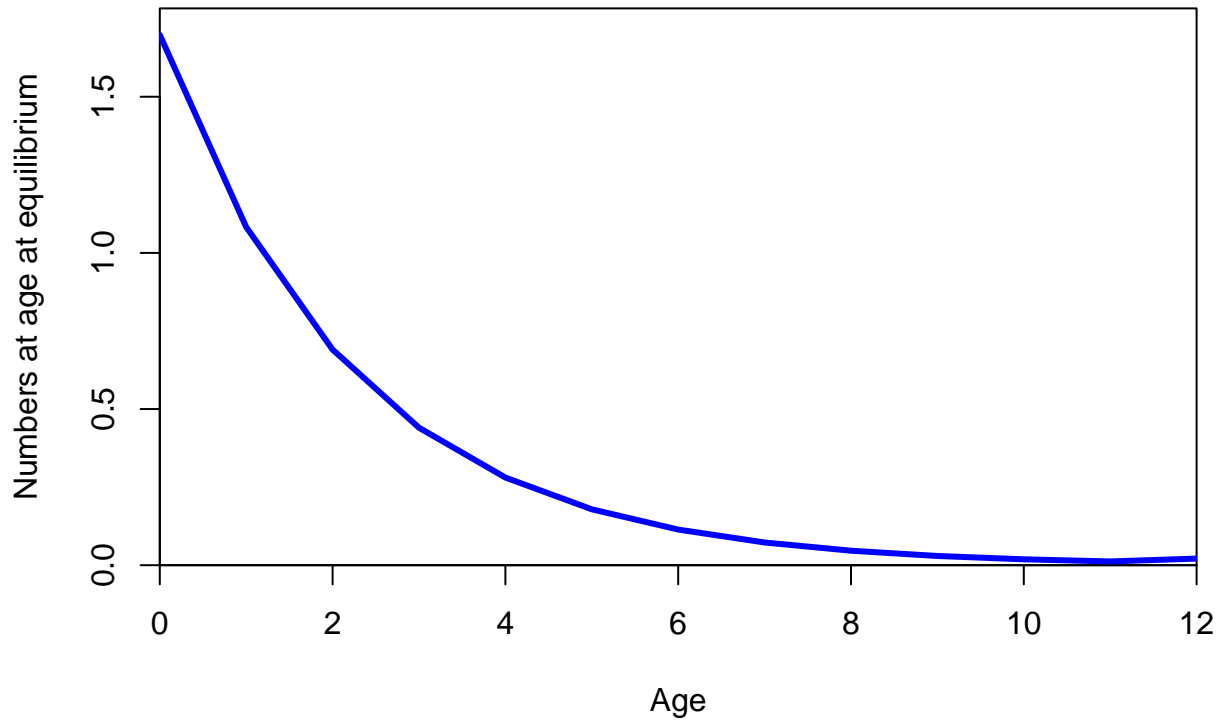


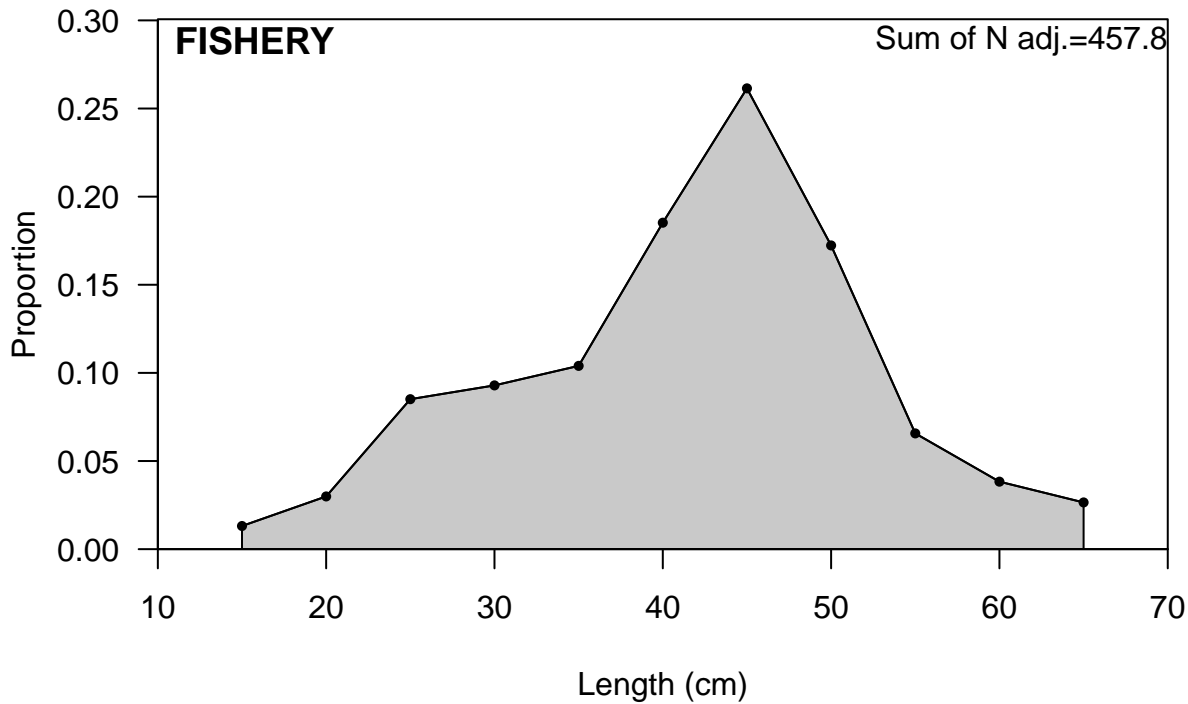


Length



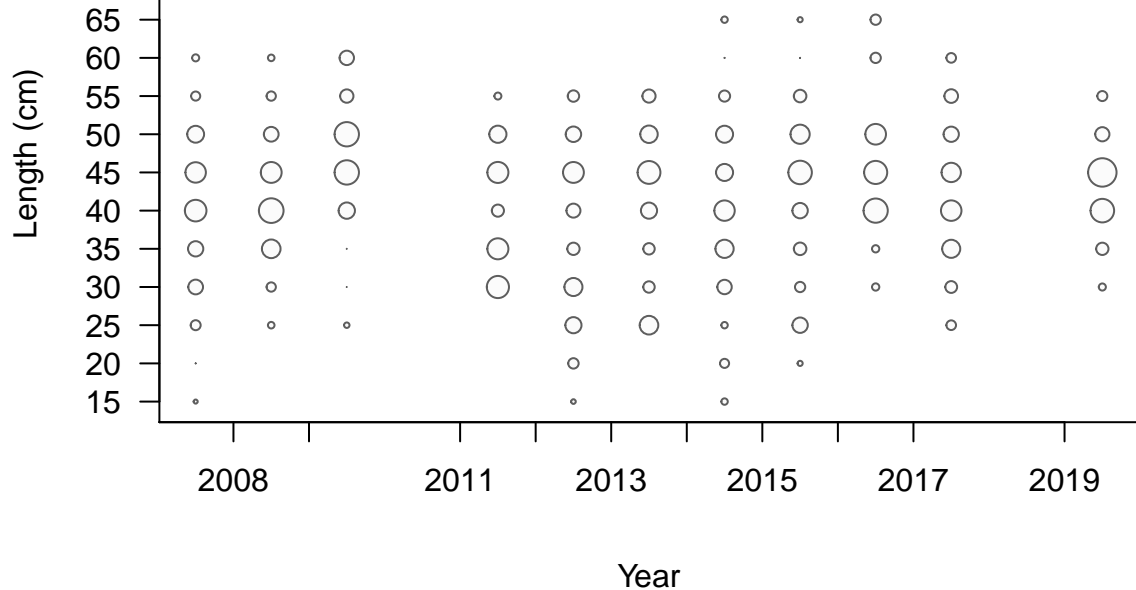




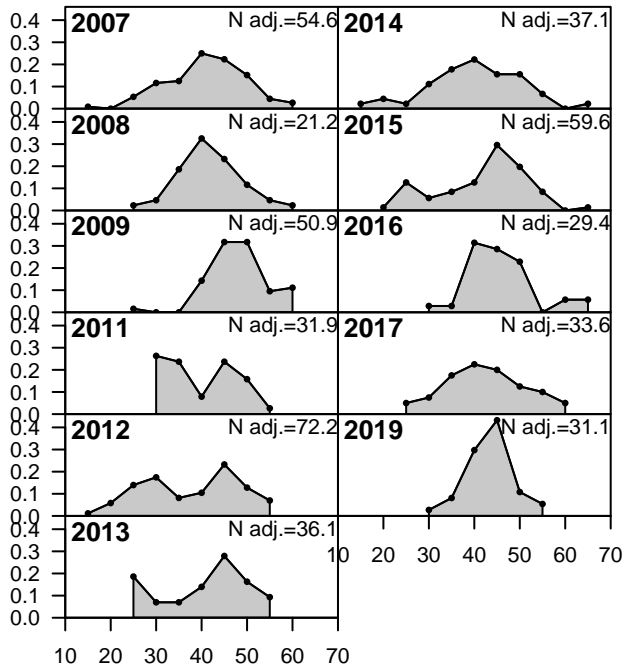


# FISHERY

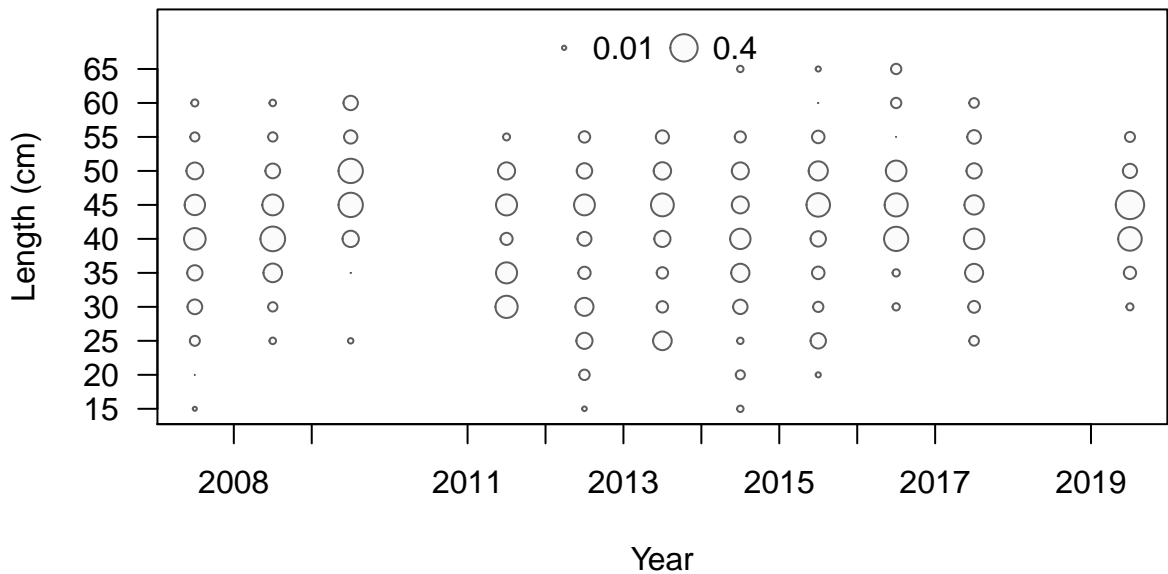
◦ 0.01 ○ 0.4



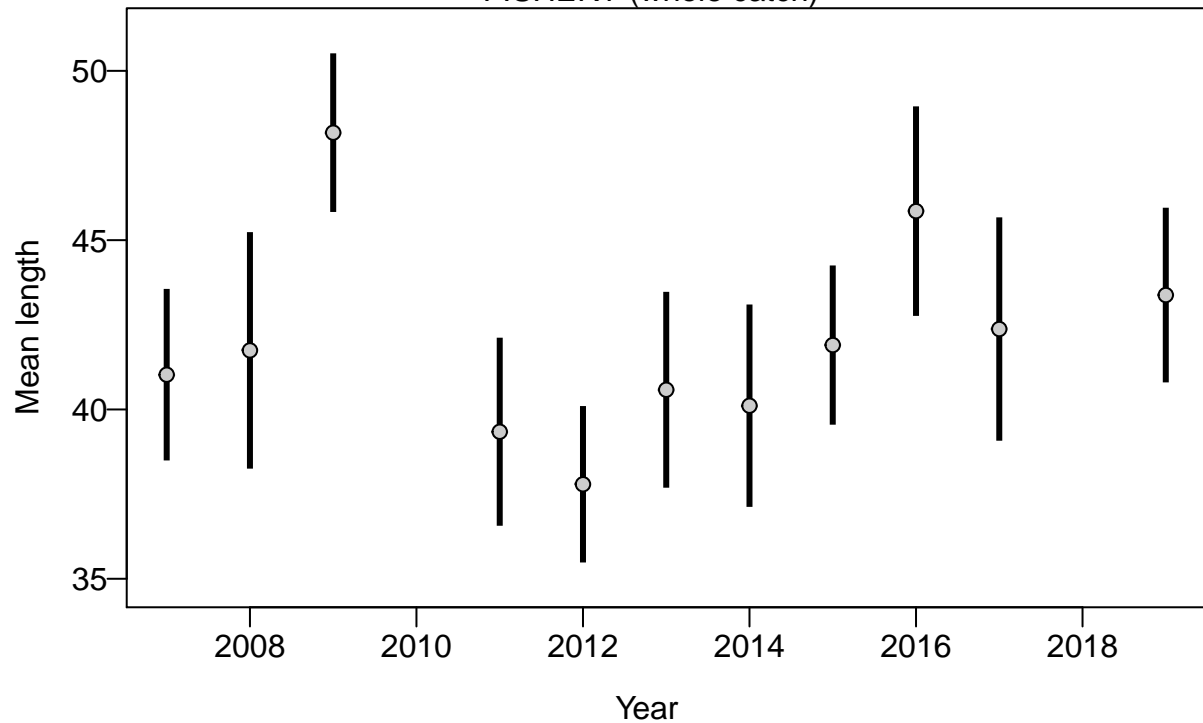
Proportion

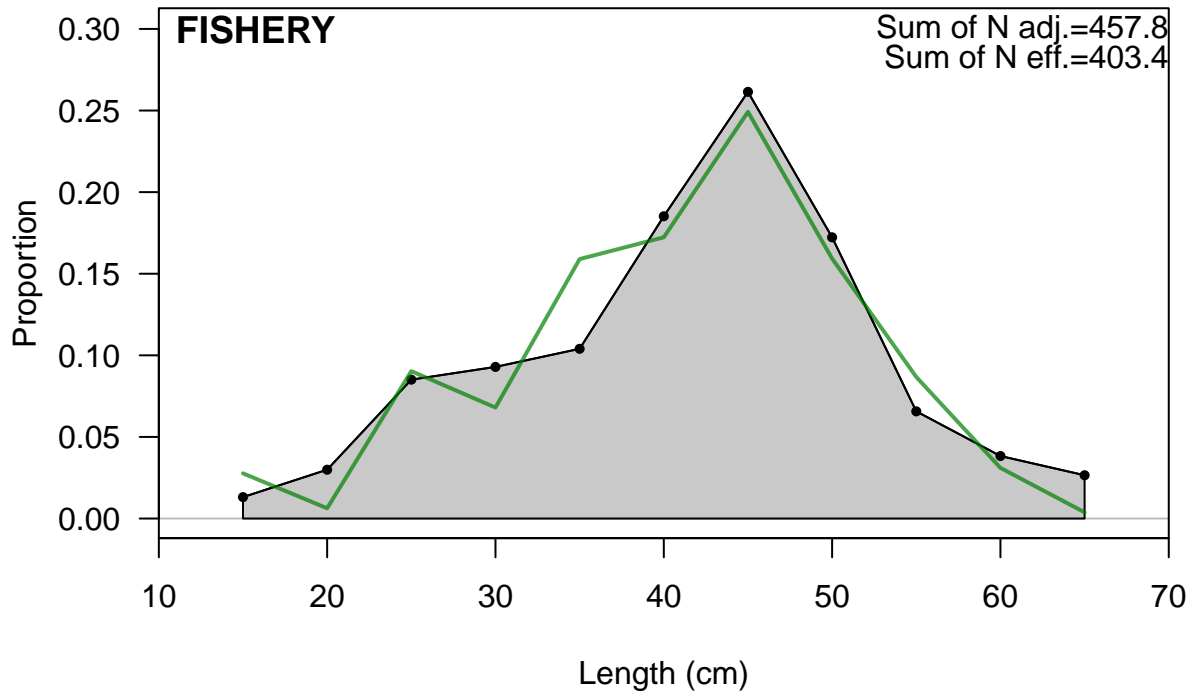


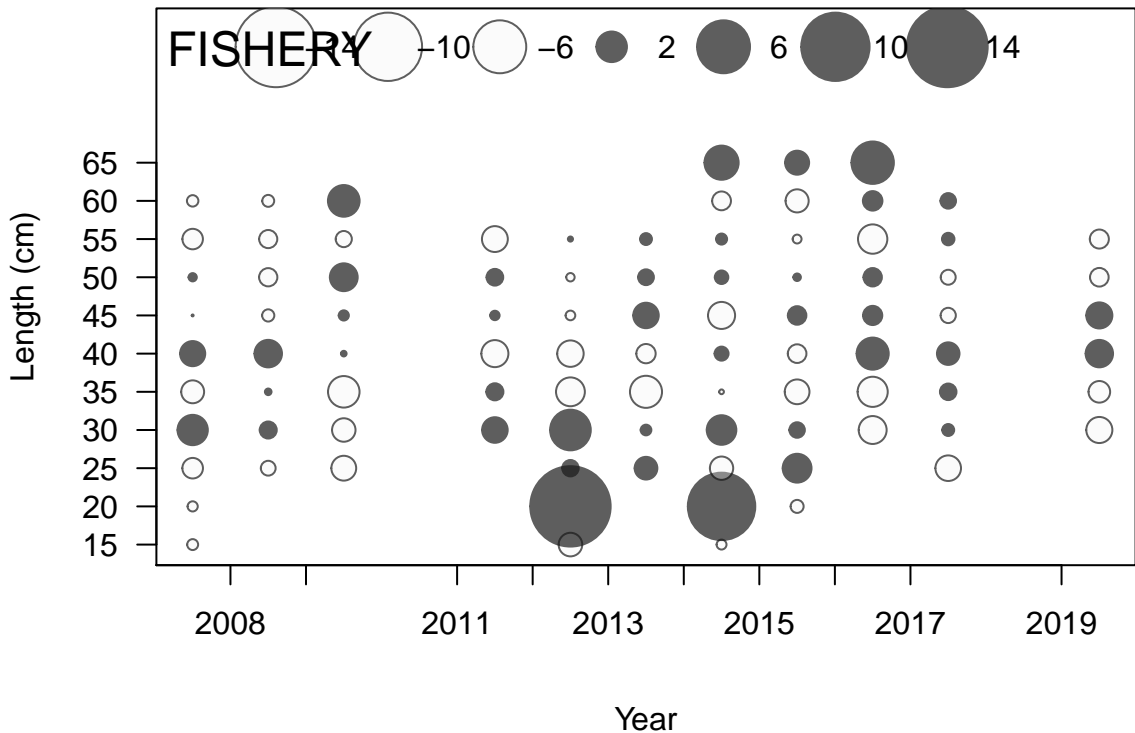
Length (cm)



# FISHERY (whole catch)

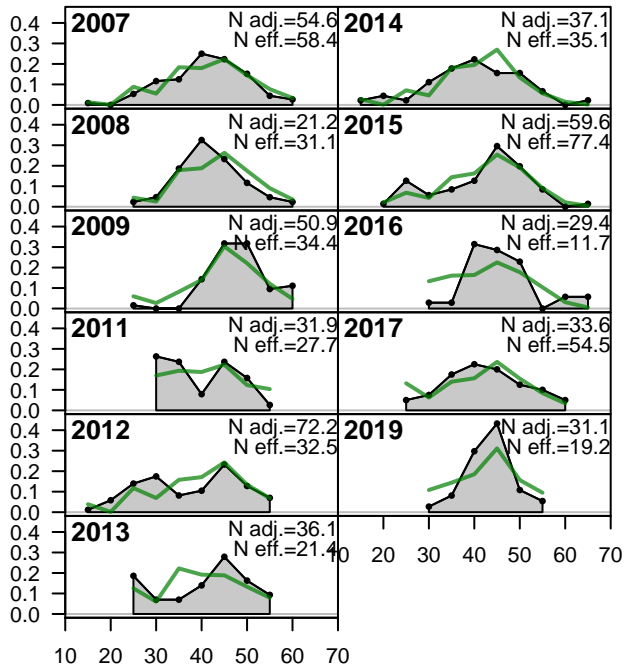






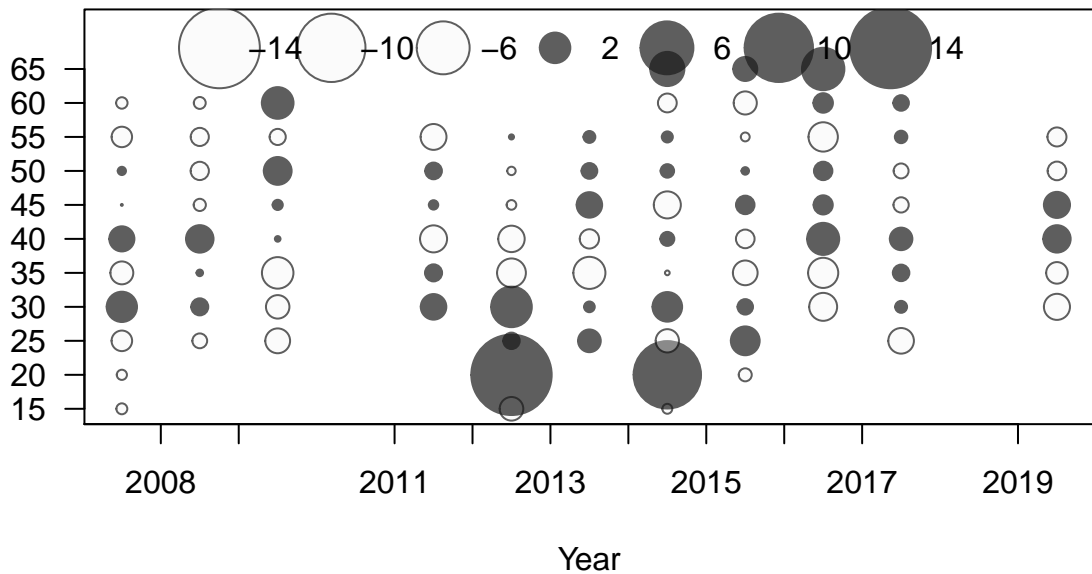


Proportion

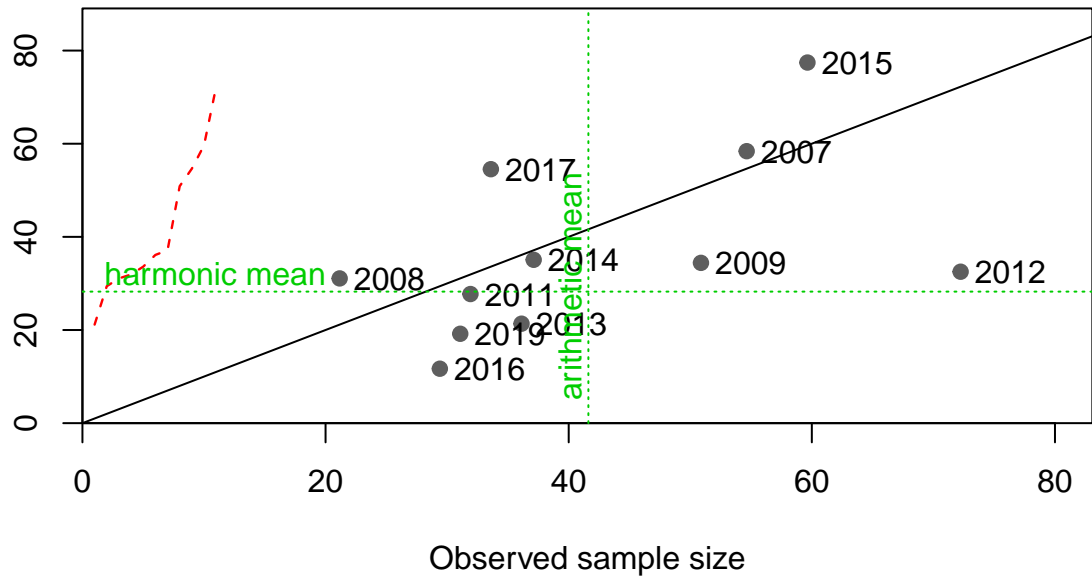


Length (cm)

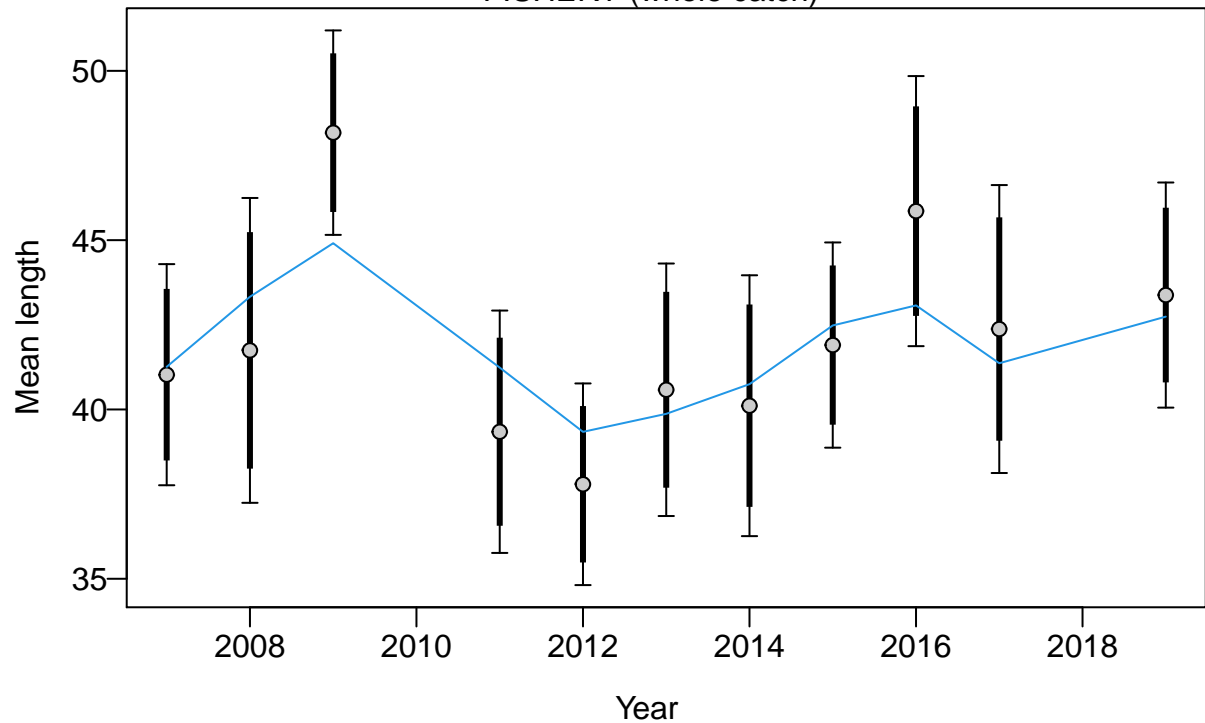
Length (cm)

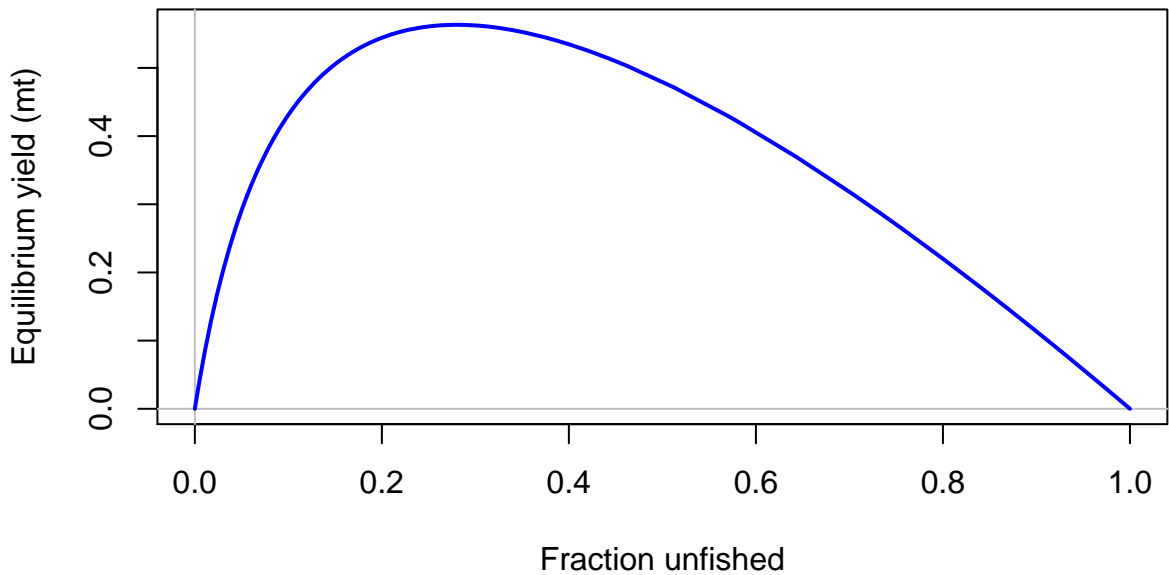


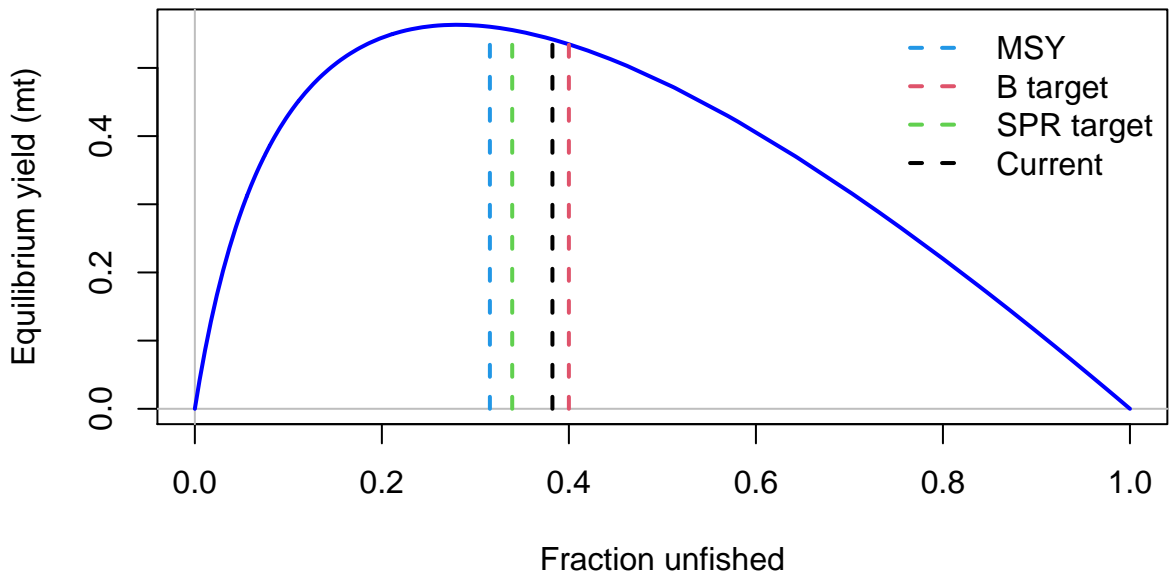
Effective sample size

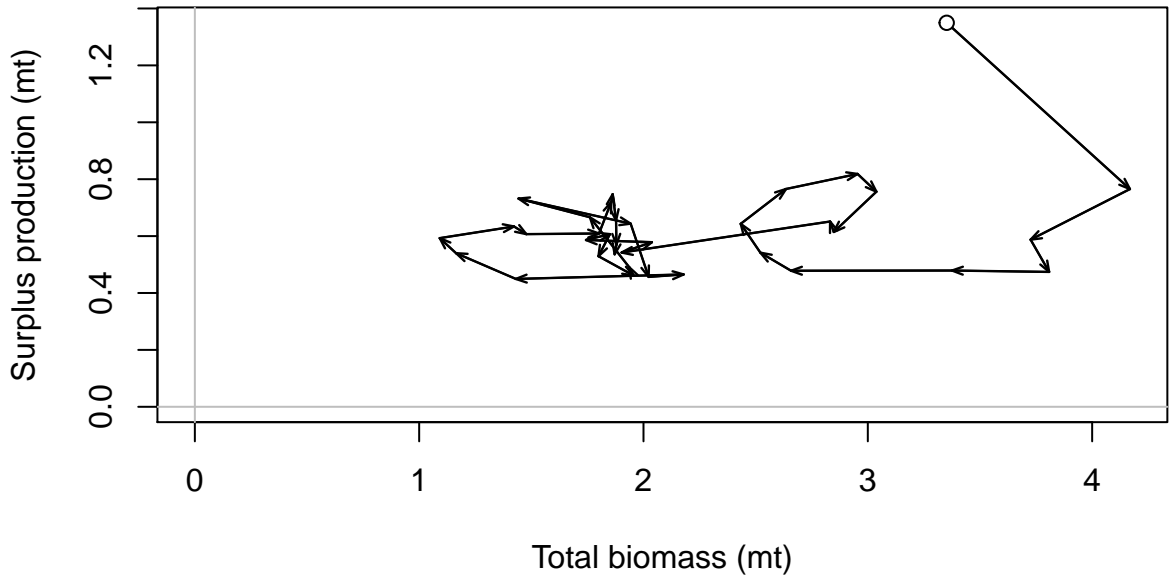


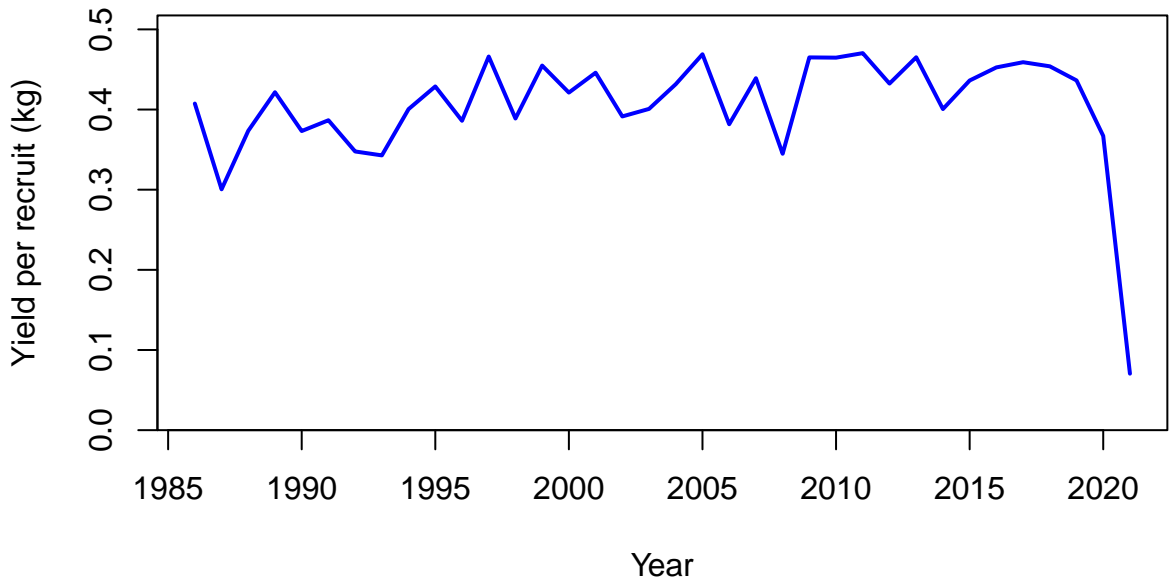
## FISHERY (whole catch)



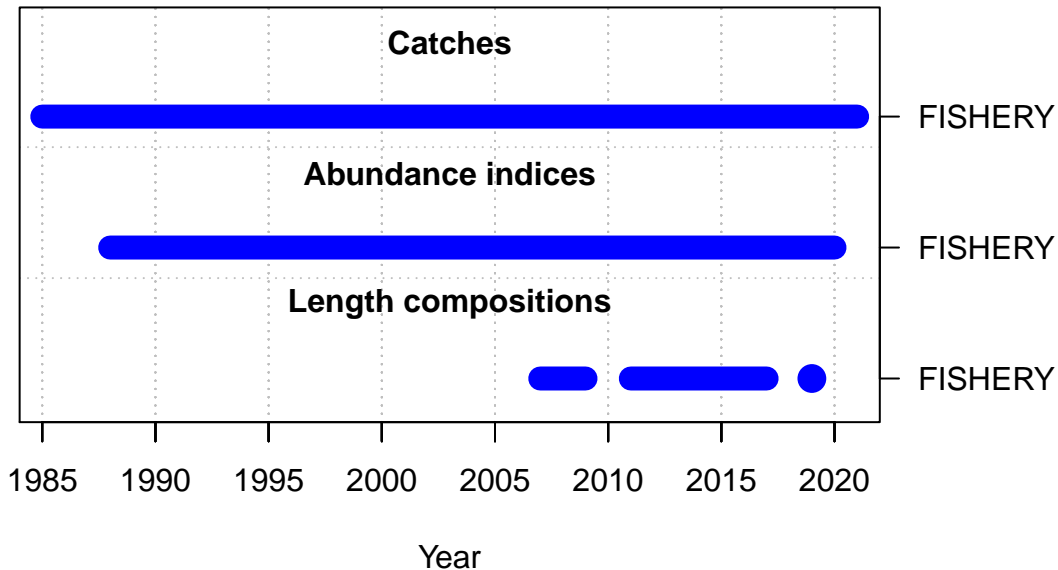


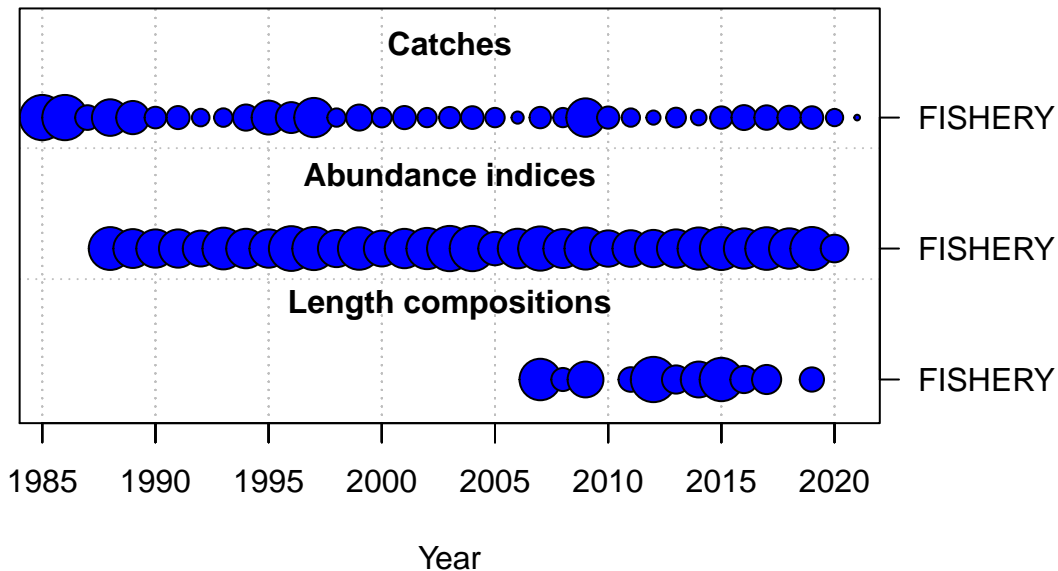




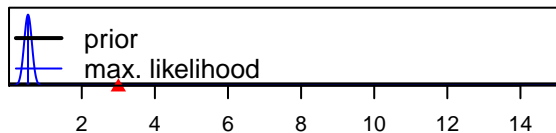




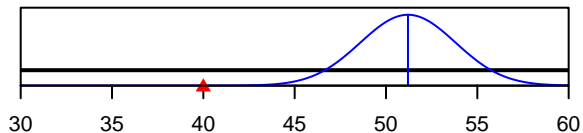




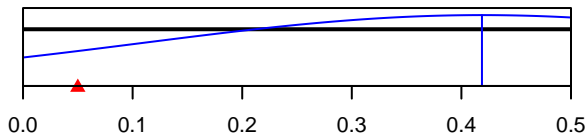
SR\_LN(R0)



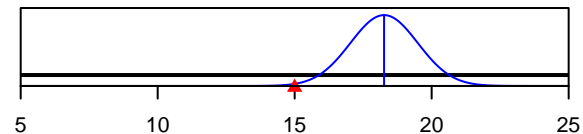
Size\_inflection\_FISHERY(1)



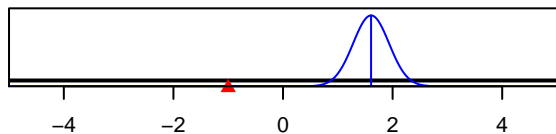
InitF\_seas\_1\_flt\_1FISHERY



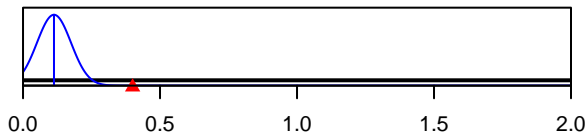
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



Q\_extraSD\_FISHERY(1)



Parameter value