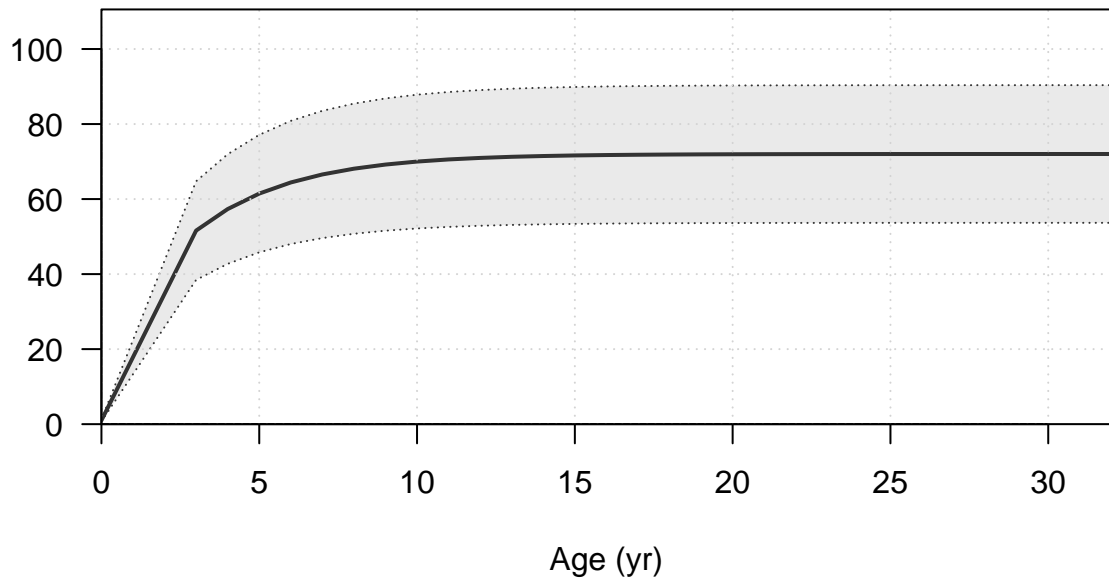
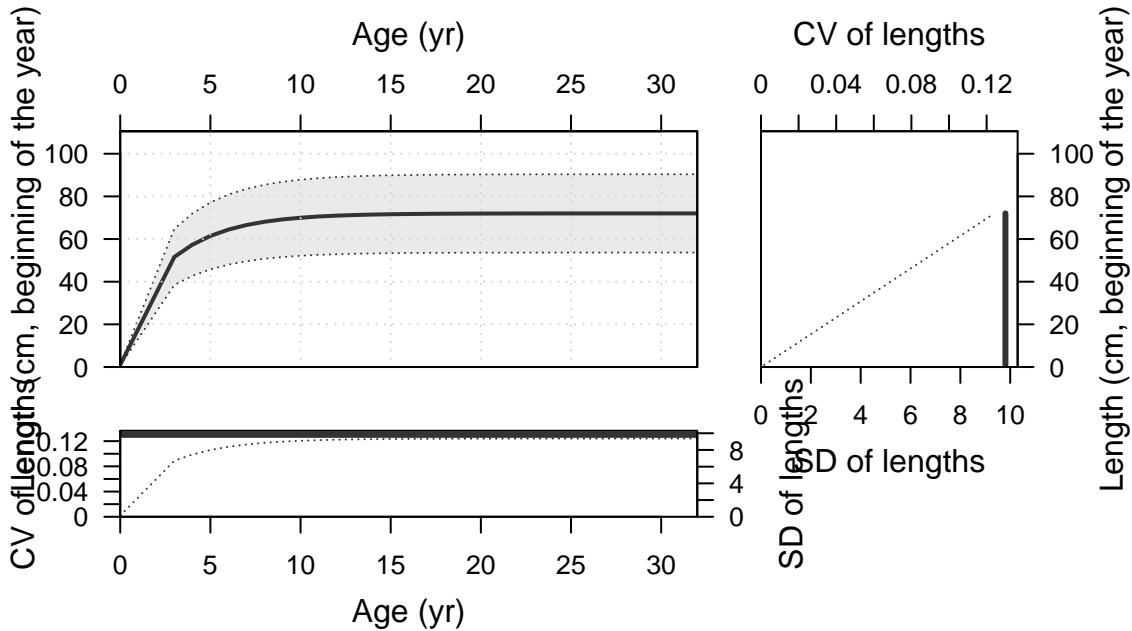
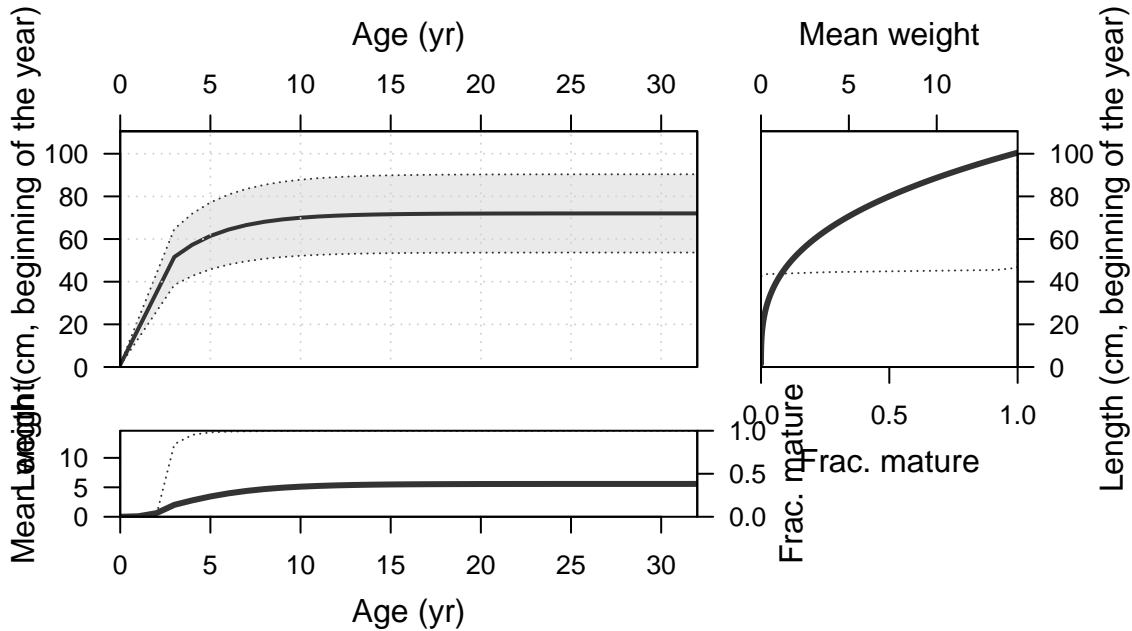


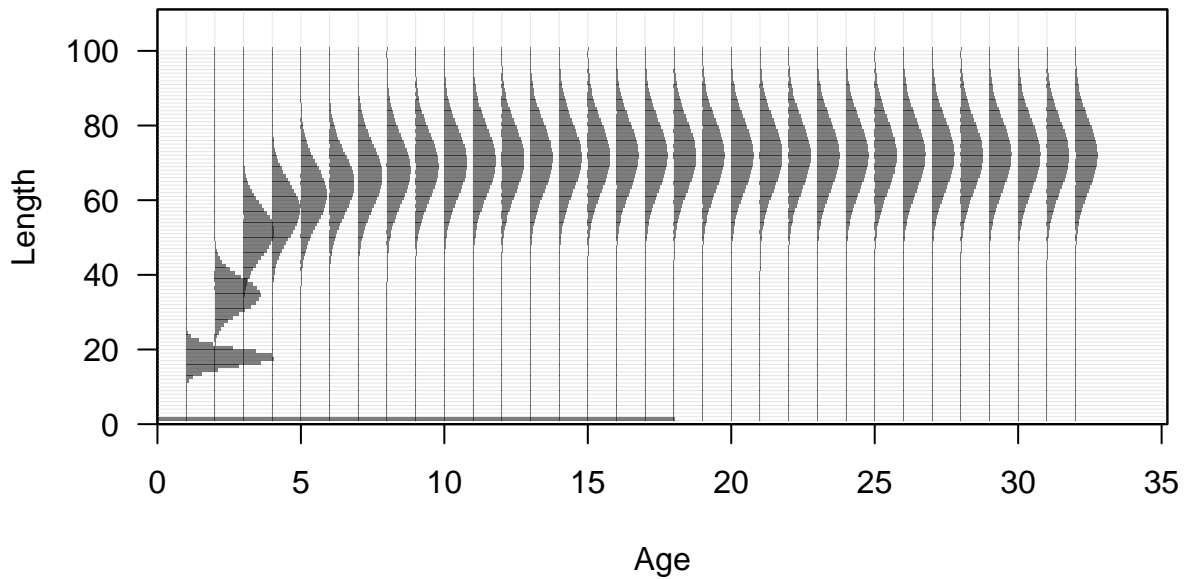
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Thu Jul 07 08:46:39 2022  
Data\_File: data.ss  
Control\_File: control.ss

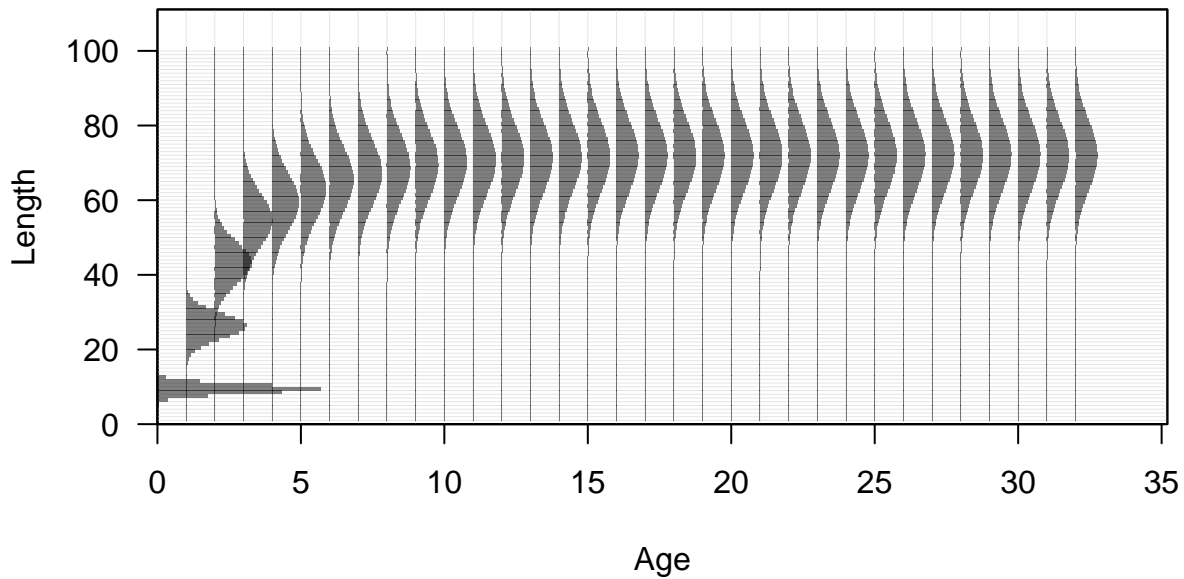
Length (cm, beginning of the year)



















Fecundity



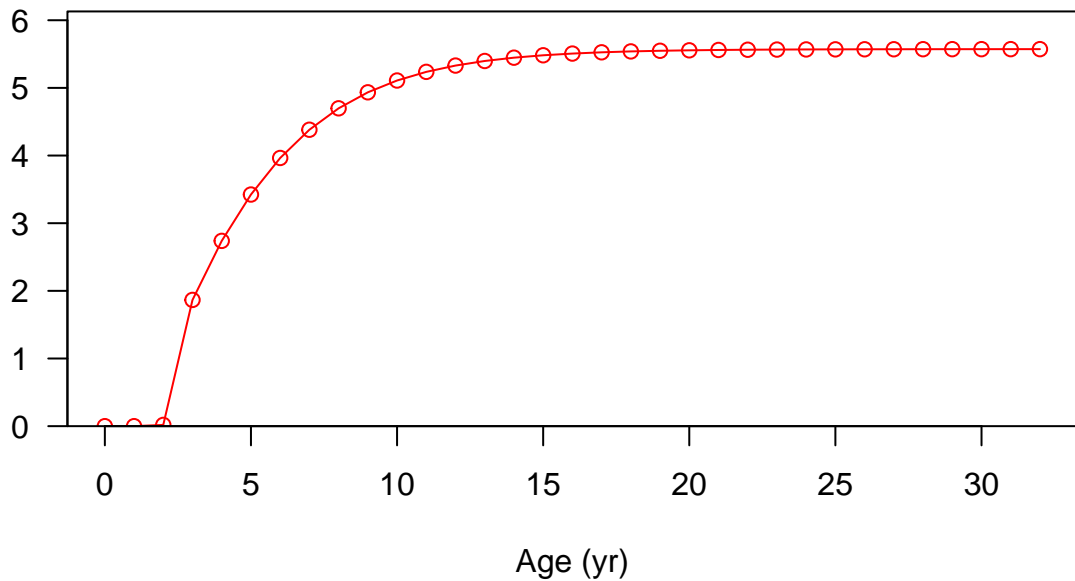
Fecundity



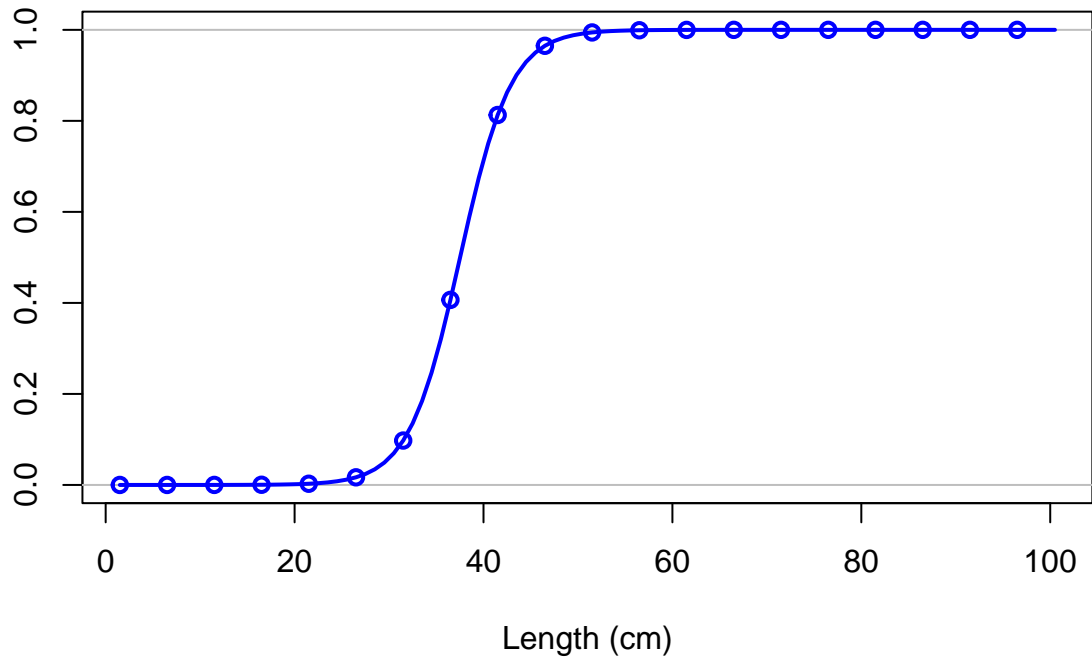
Spawning output



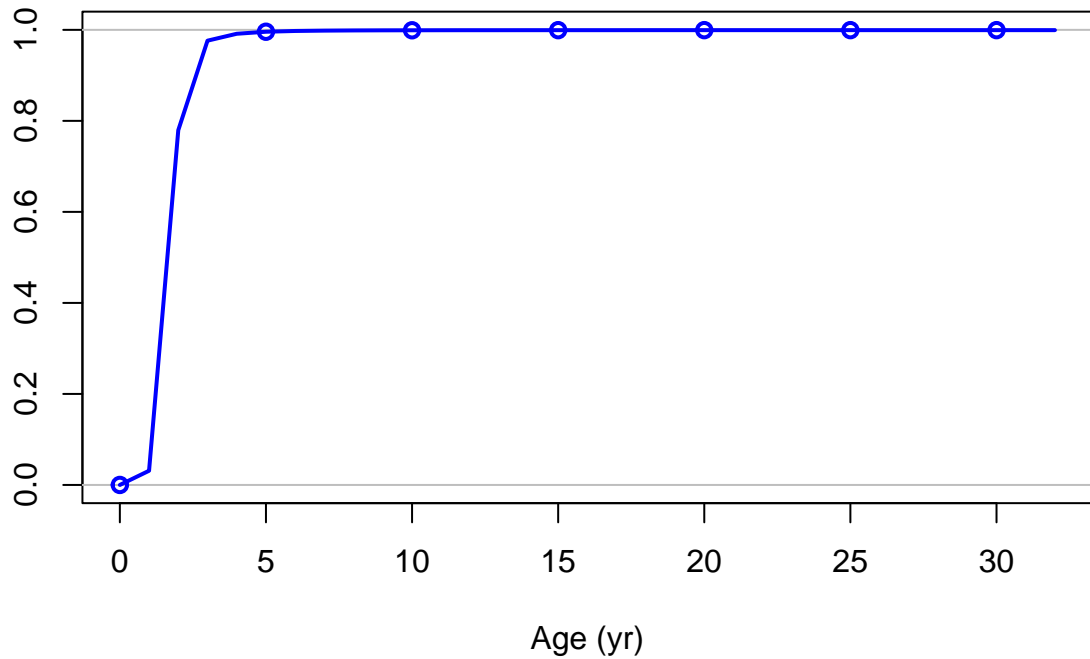
Spawning output



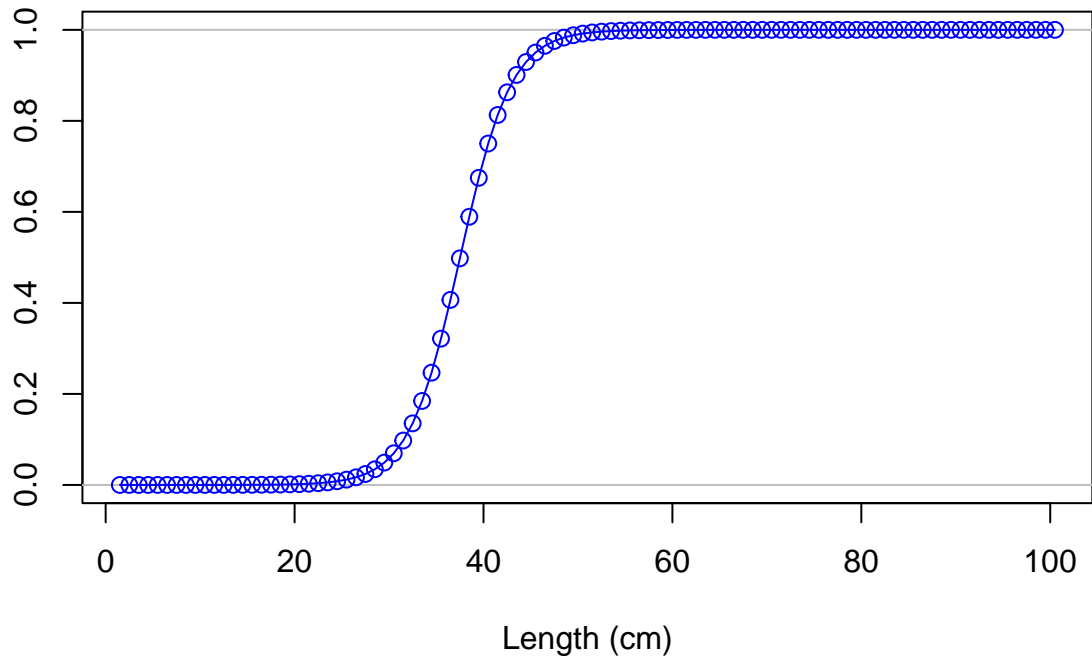
Selectivity



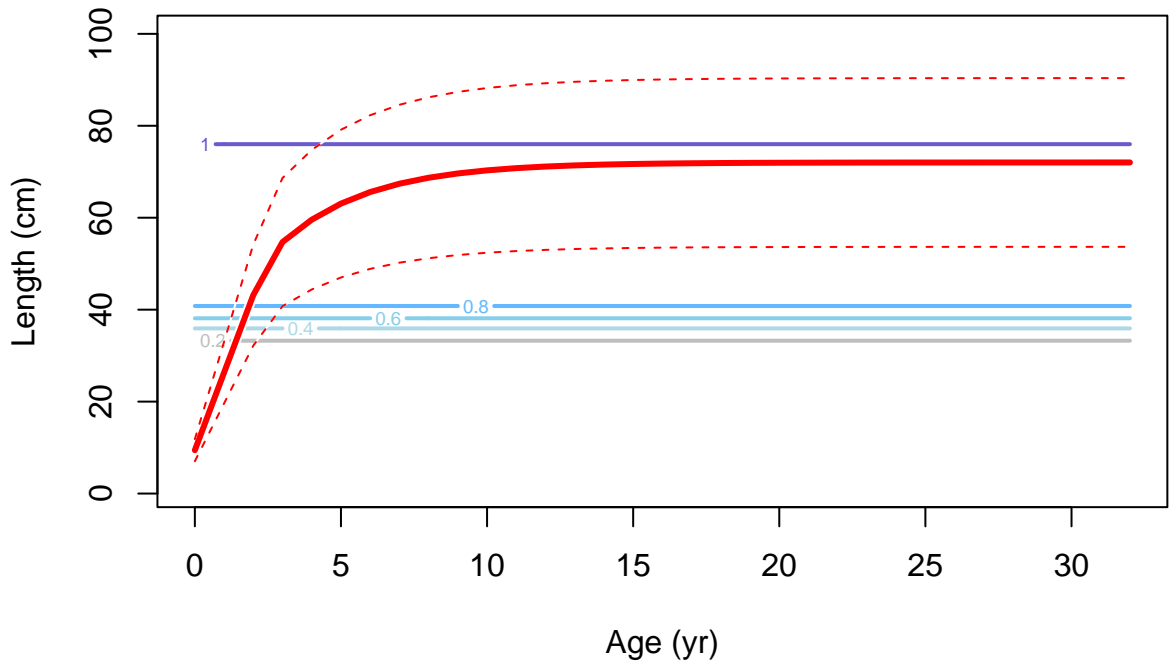
Selectivity

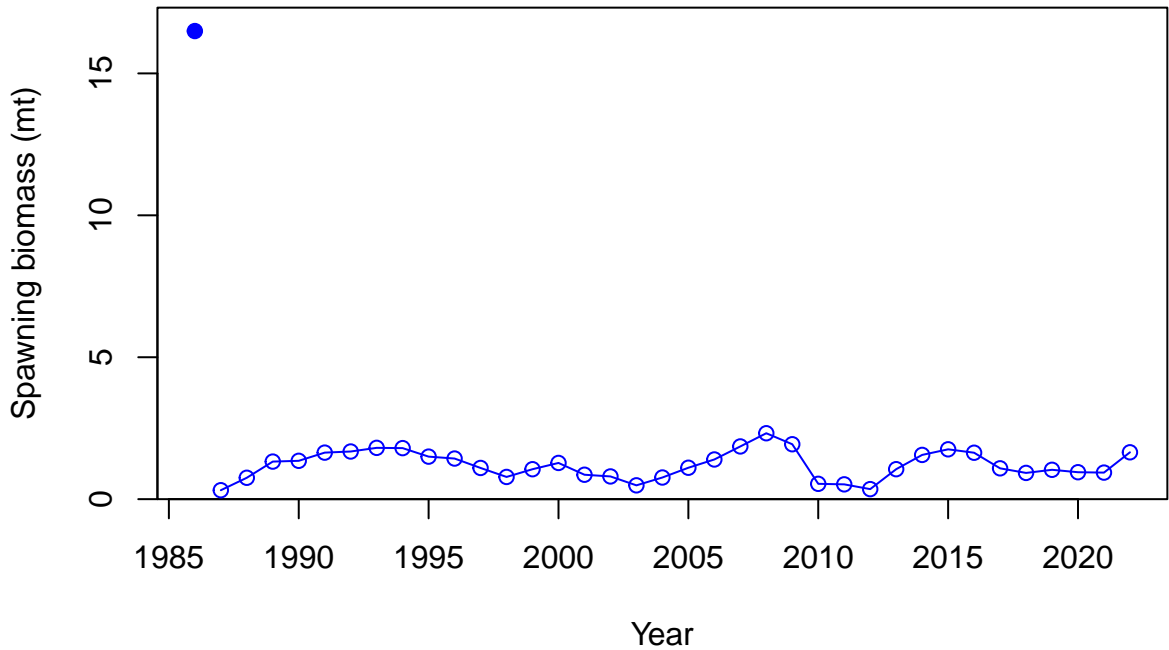


Selectivity

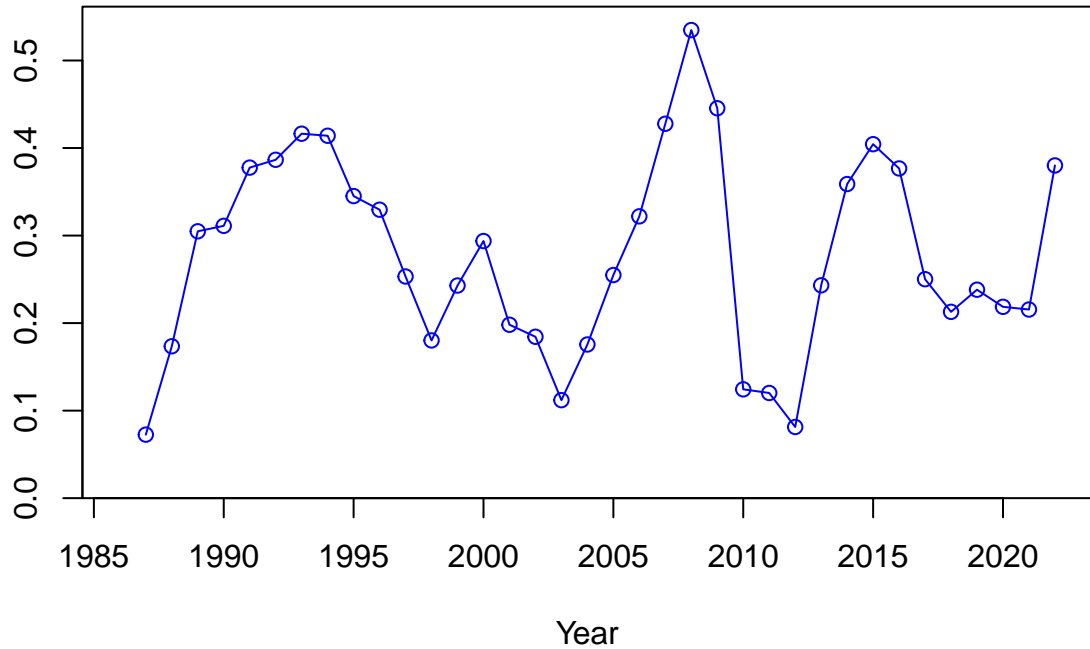


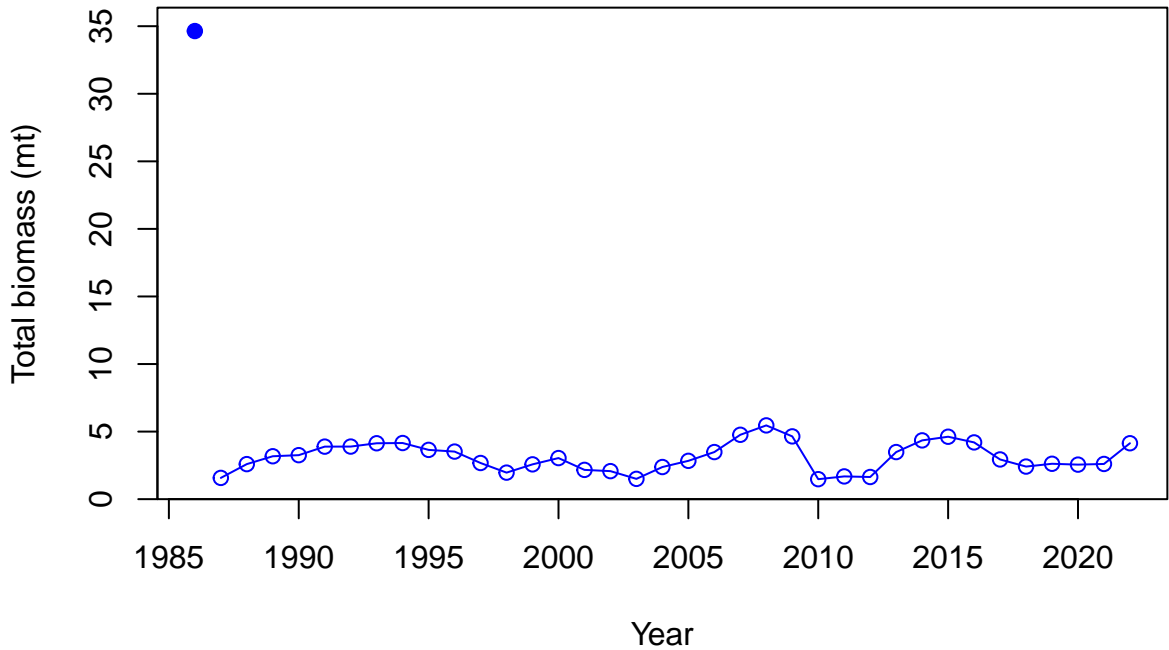


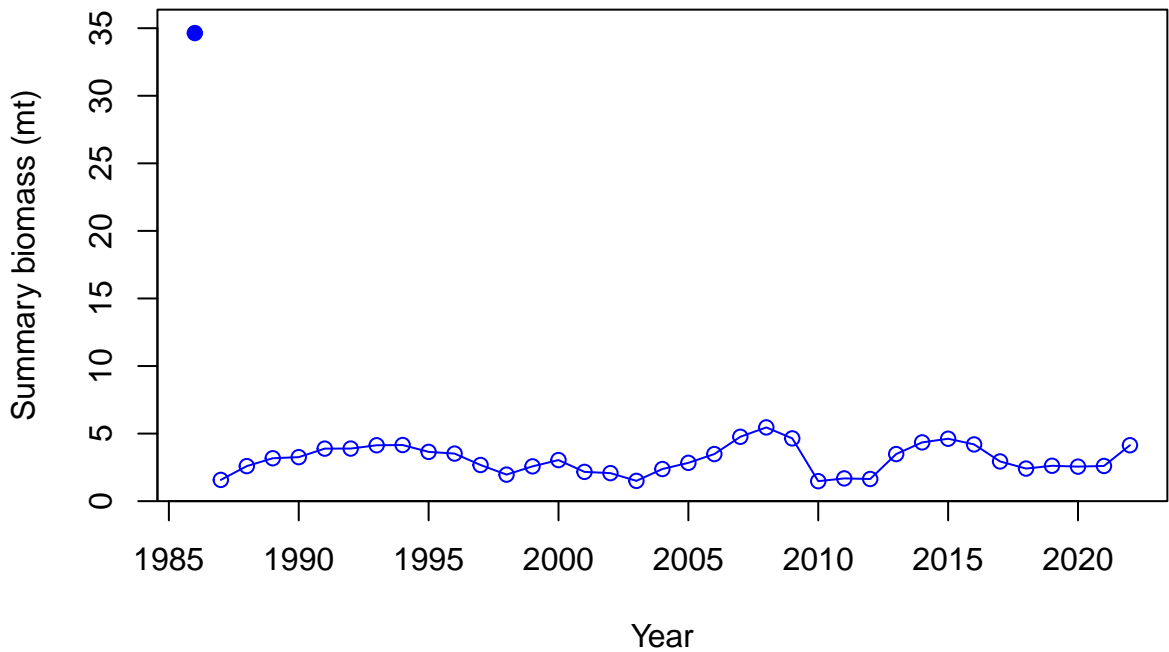




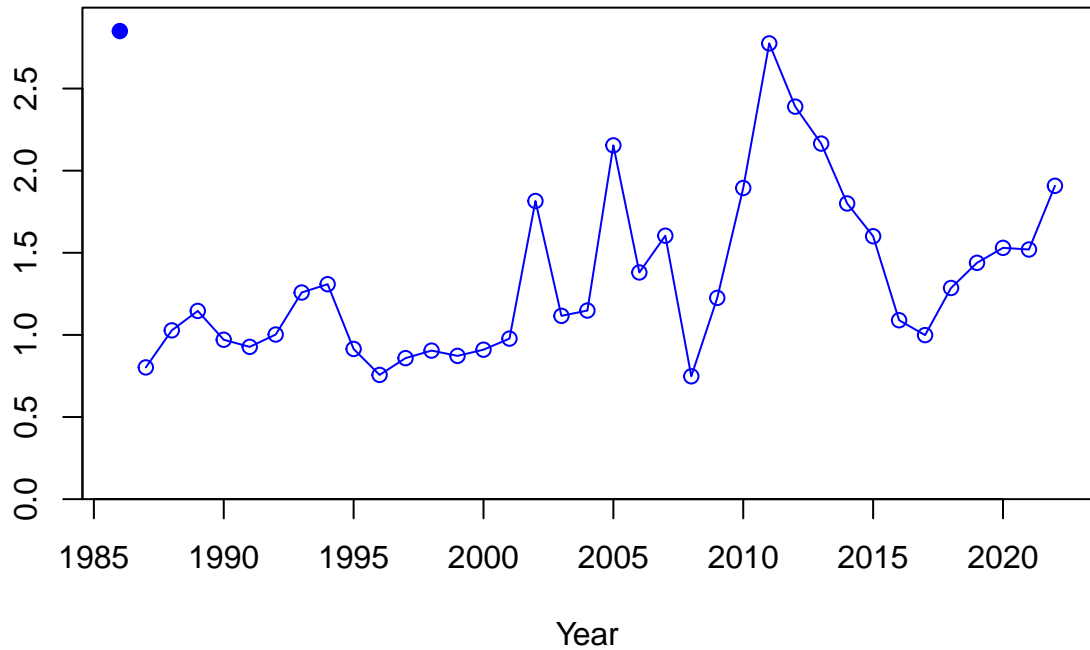
Relative spawning biomass:  $B/B_{MSY}$



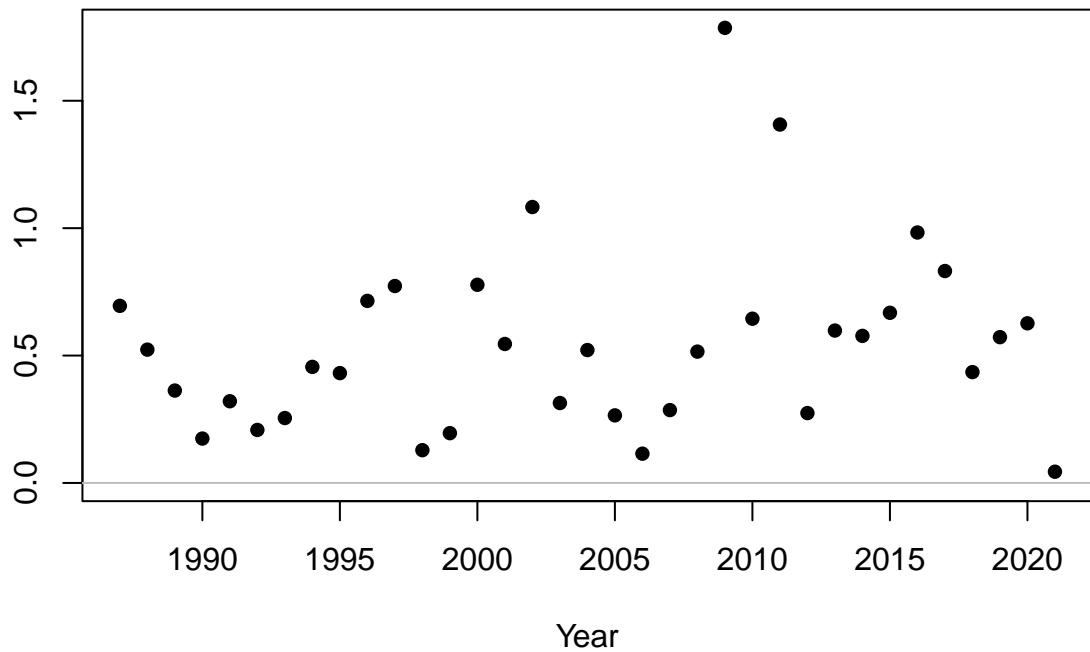


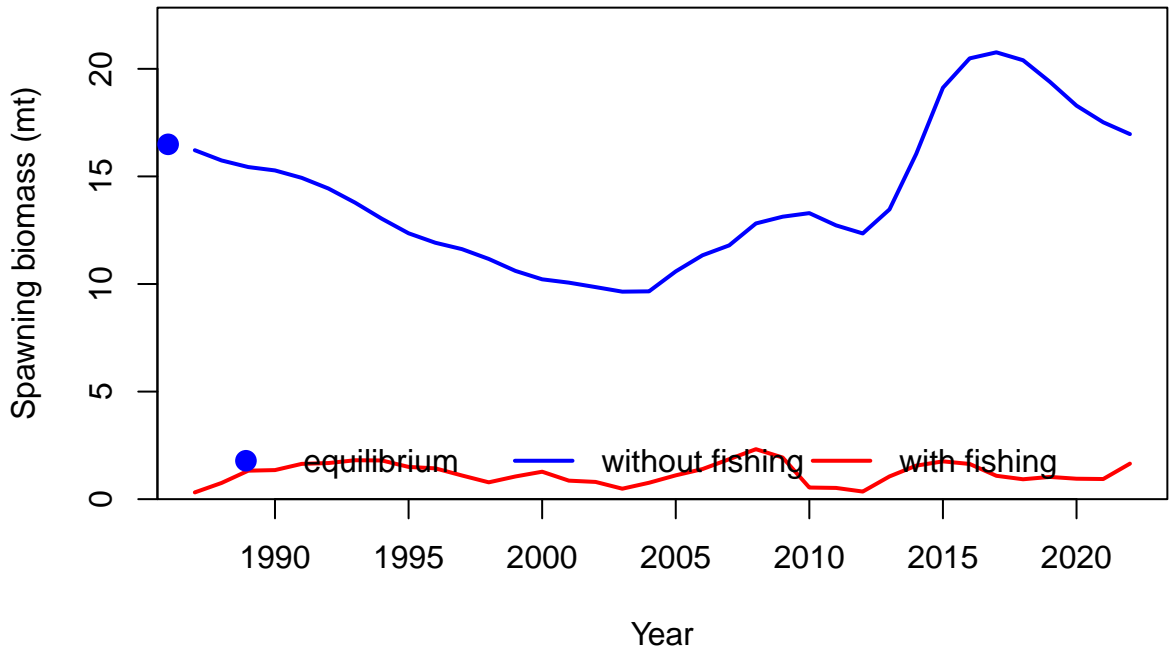


Age-0 recruits (1,000s)



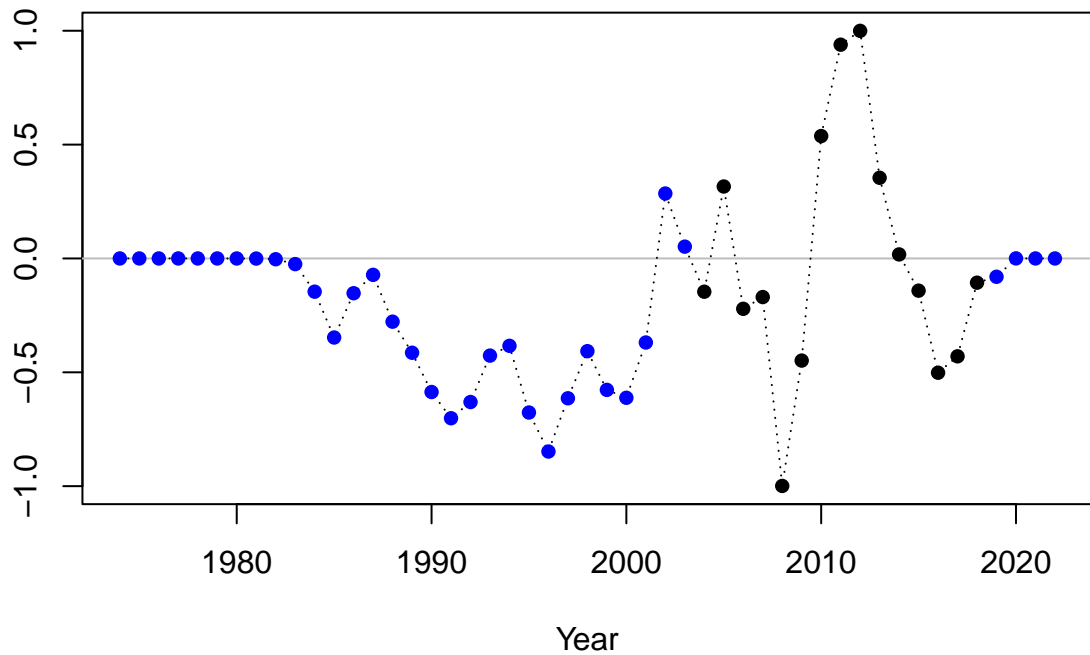
Summary Fishing Mortality



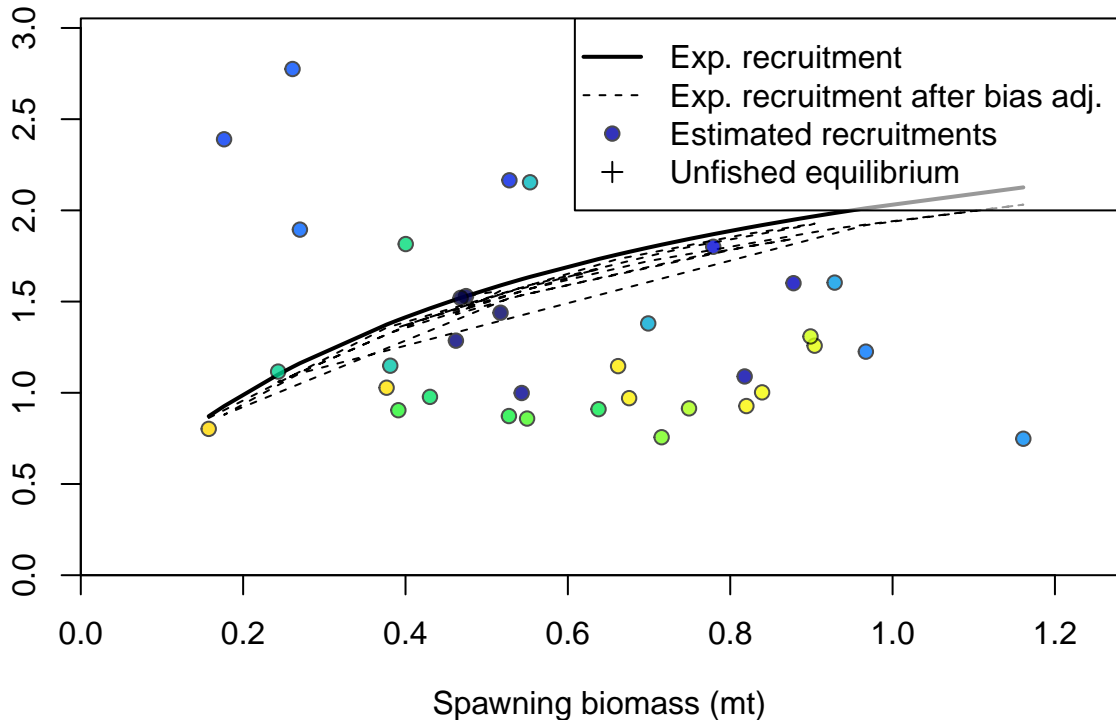




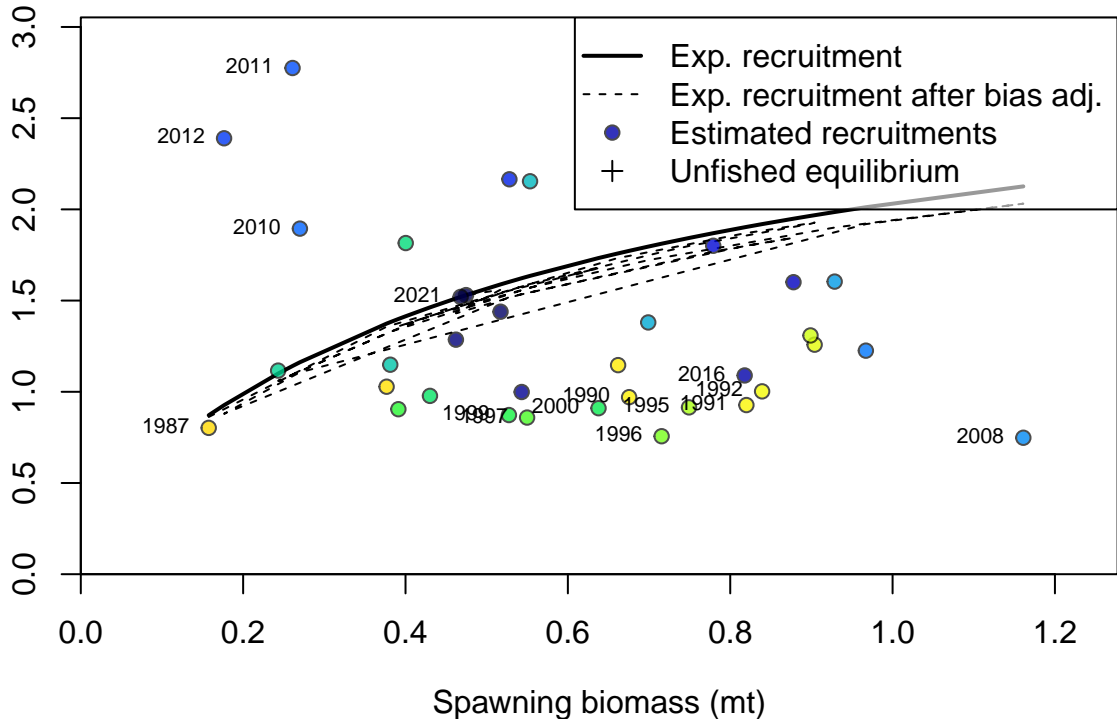
Log recruitment deviation



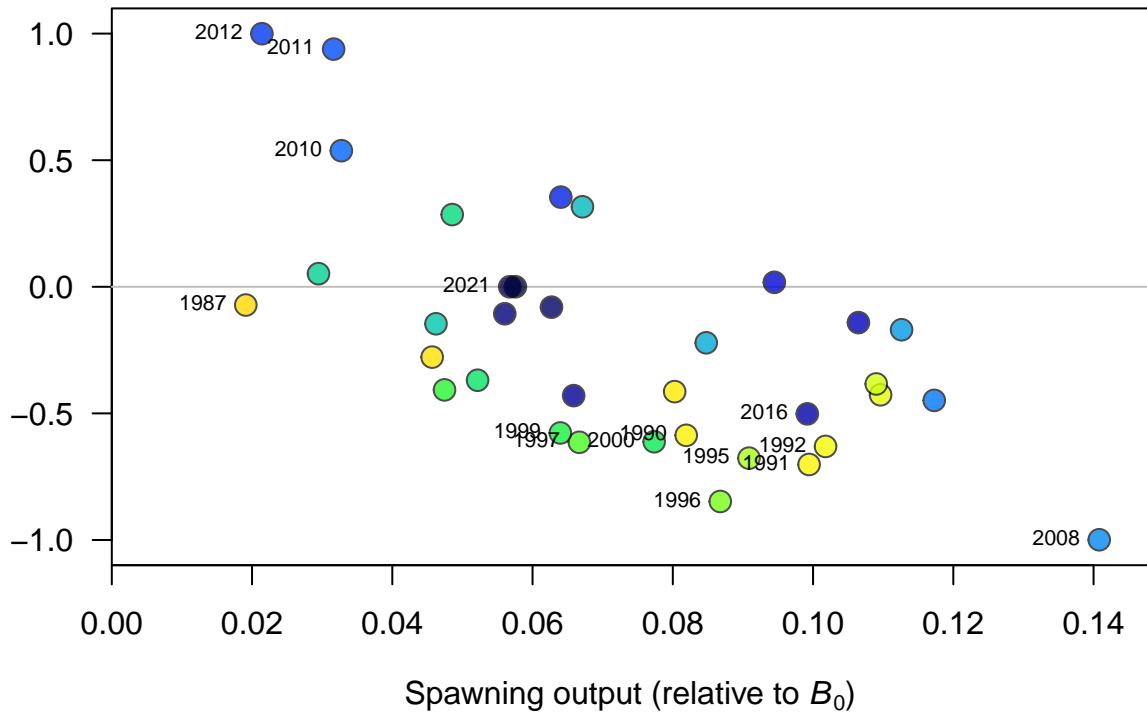
Recruitment (1,000s)

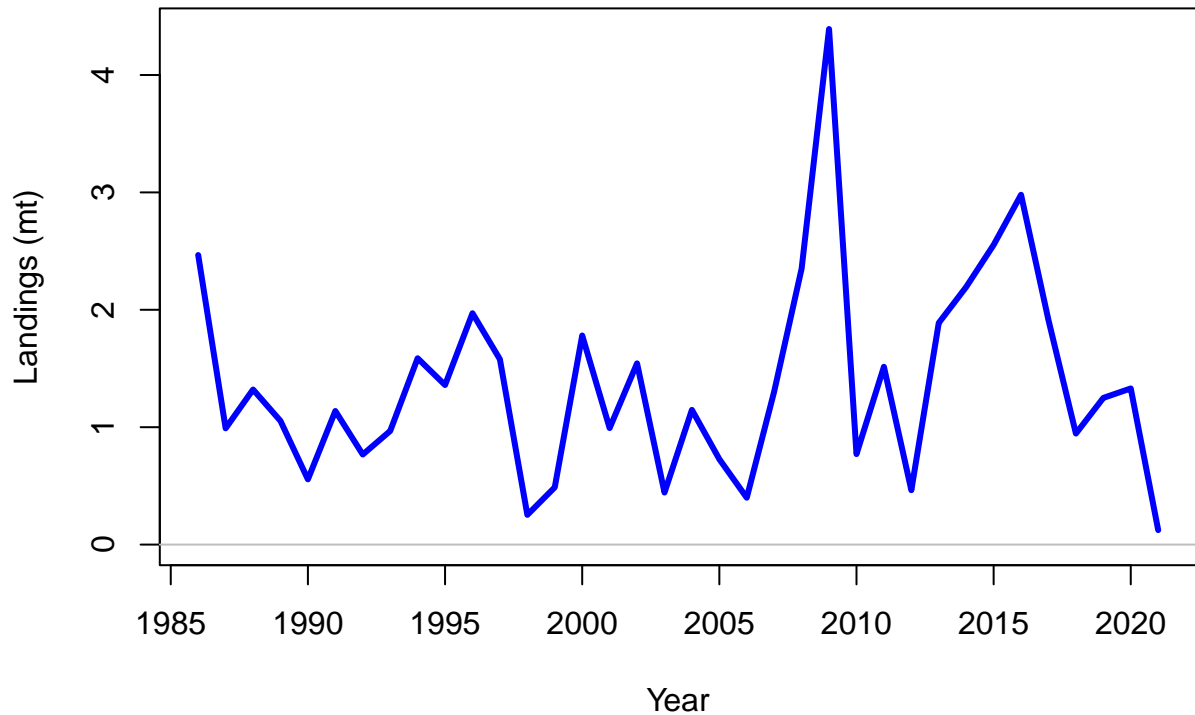


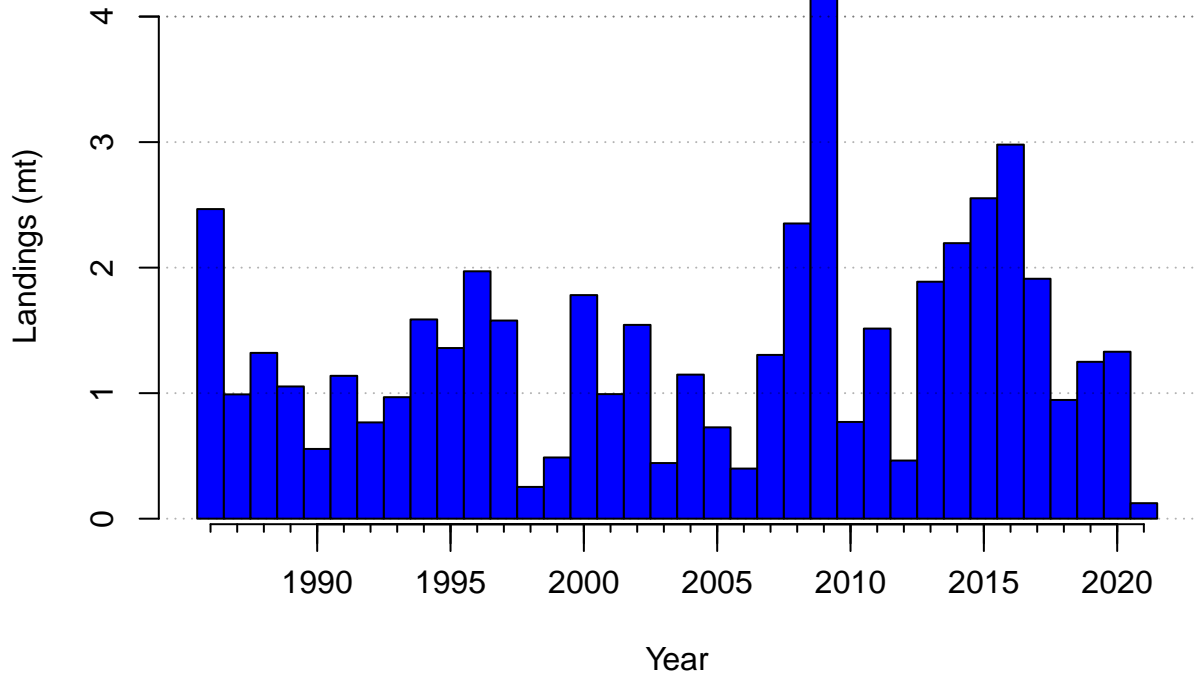
Recruitment (1,000s)

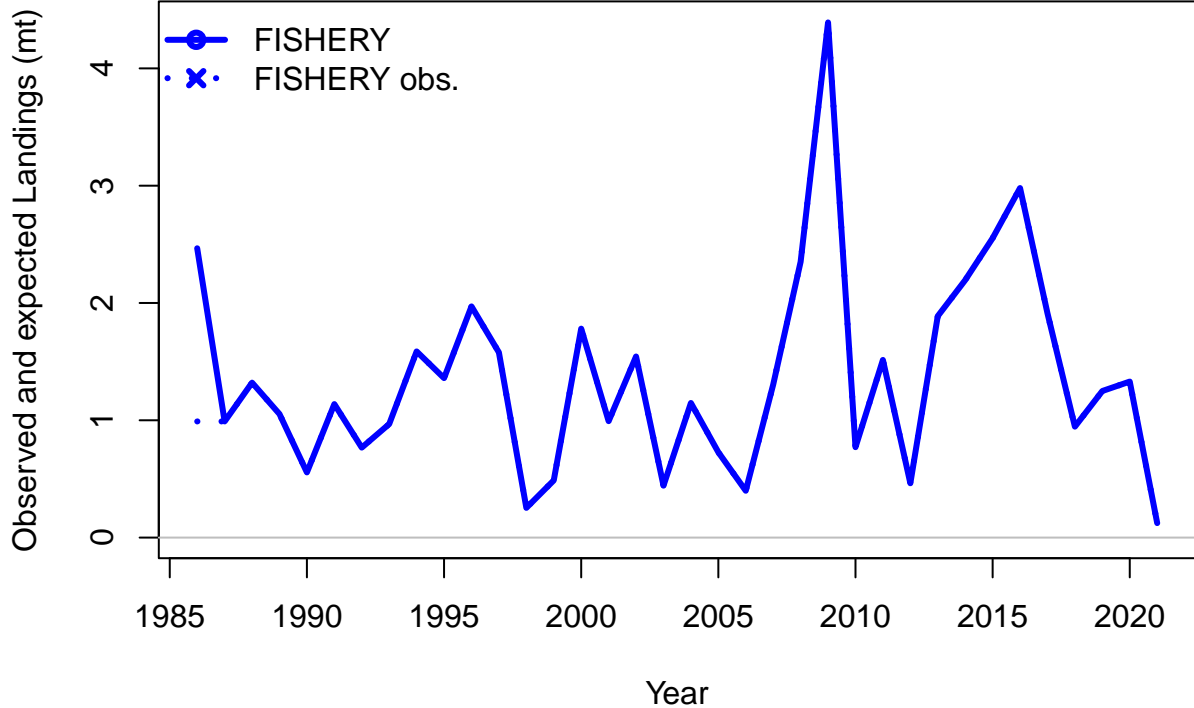


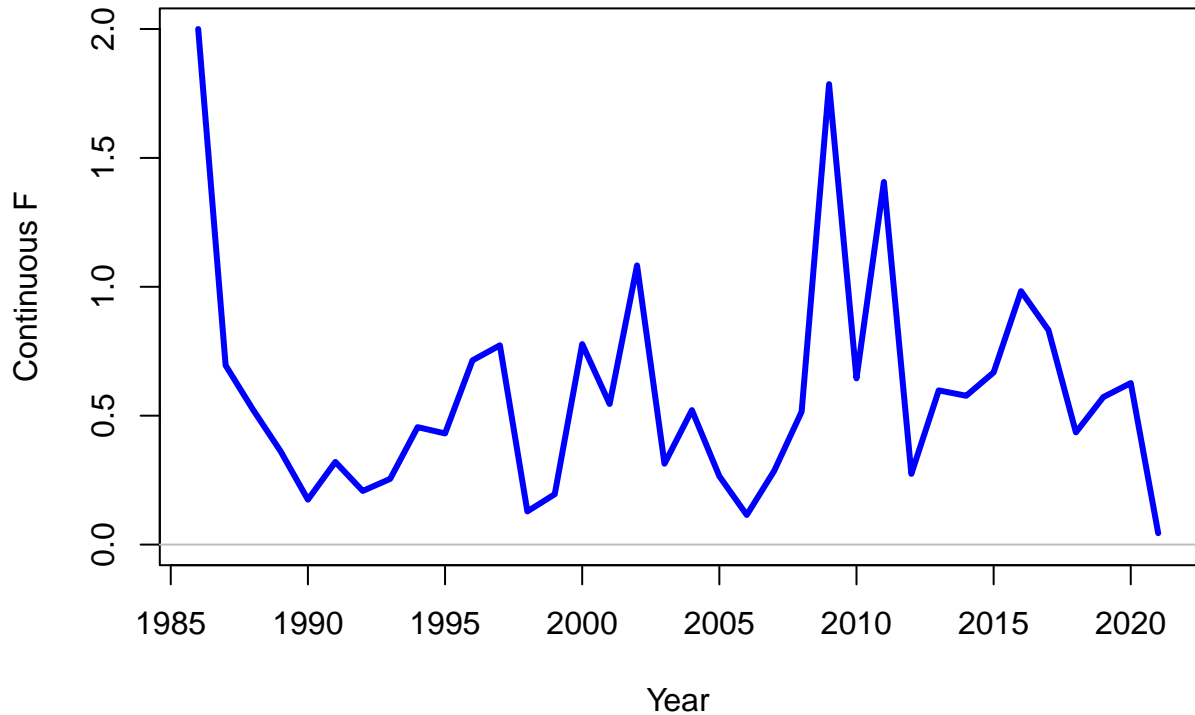
Log recruitment deviation





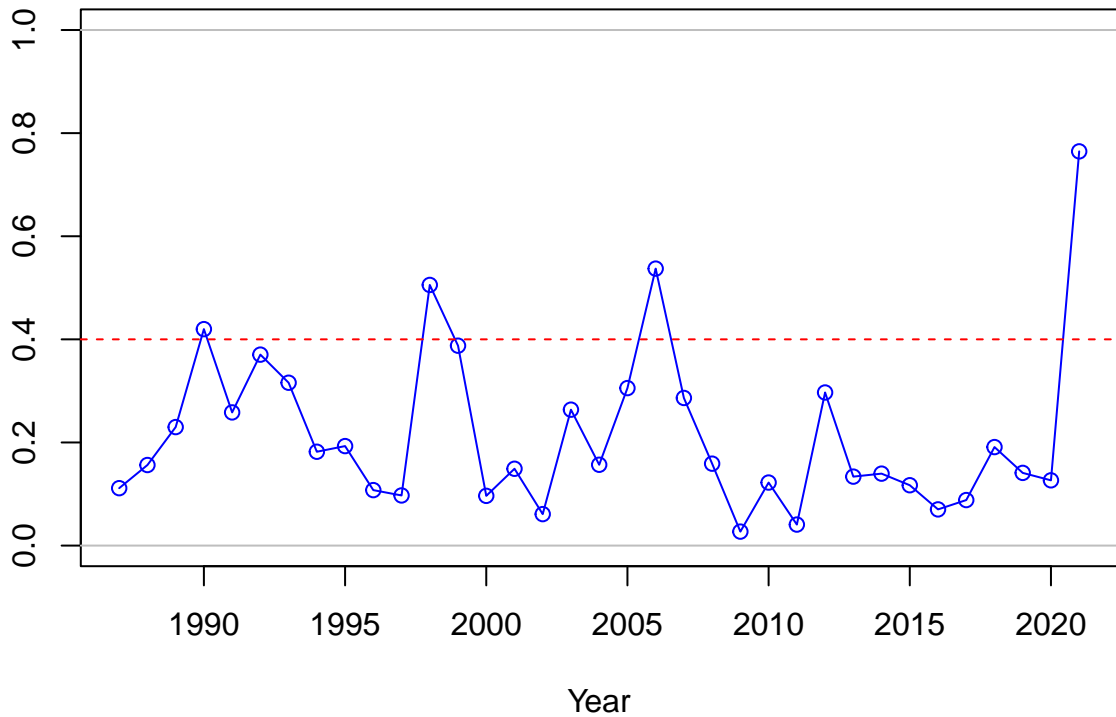




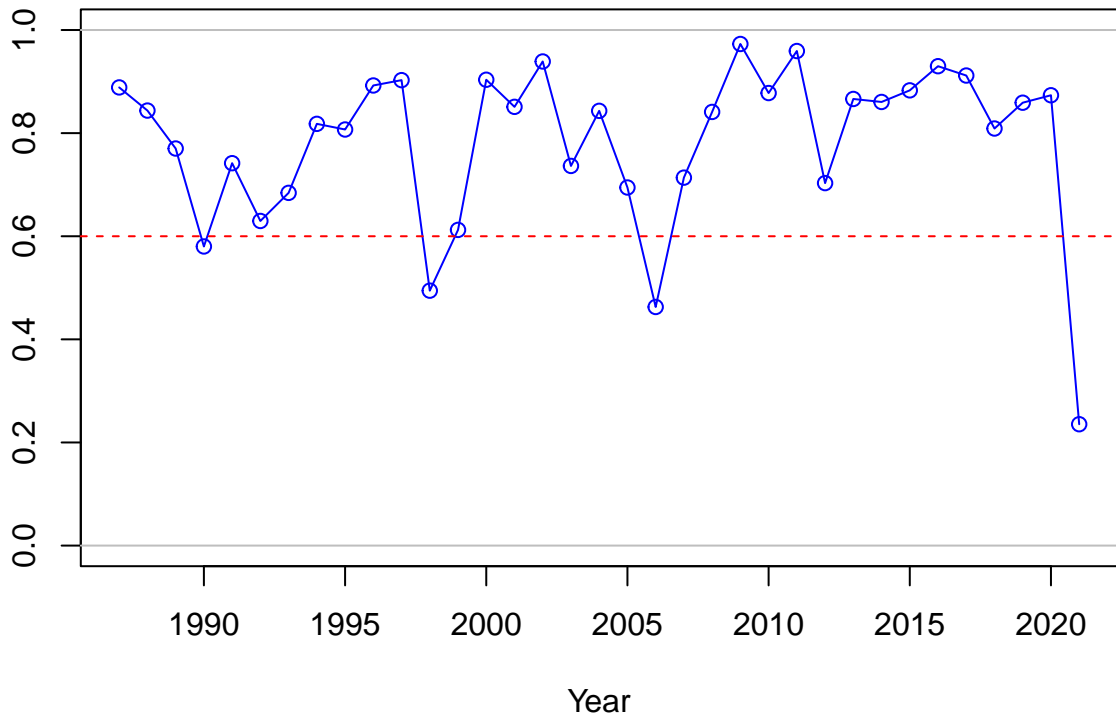




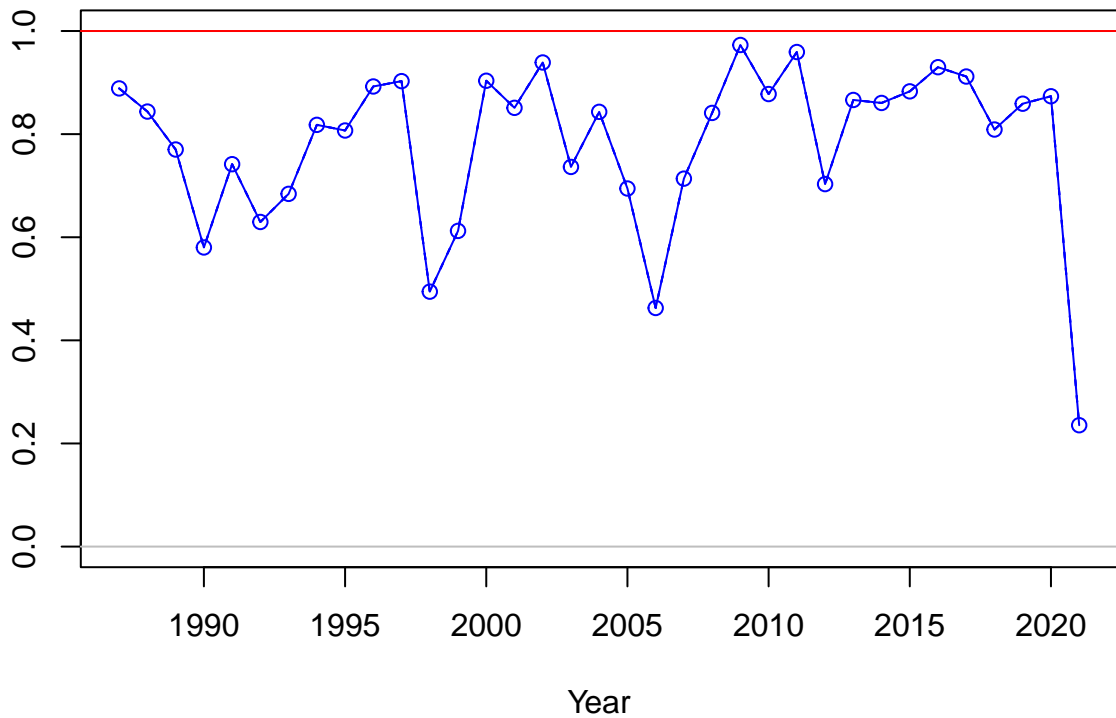
SPR



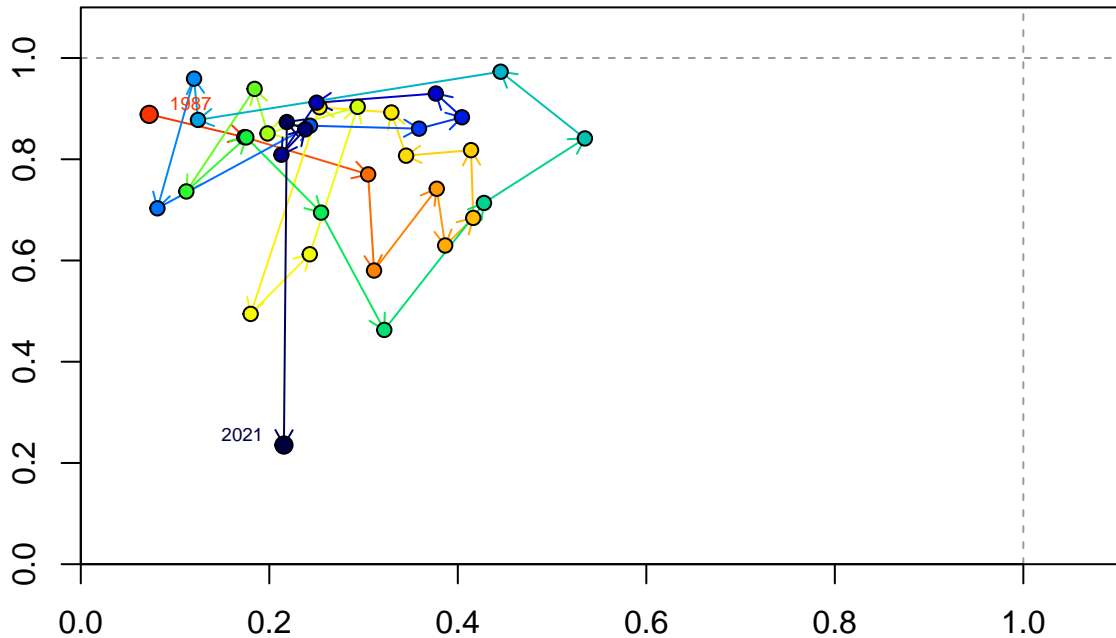
1-SPR



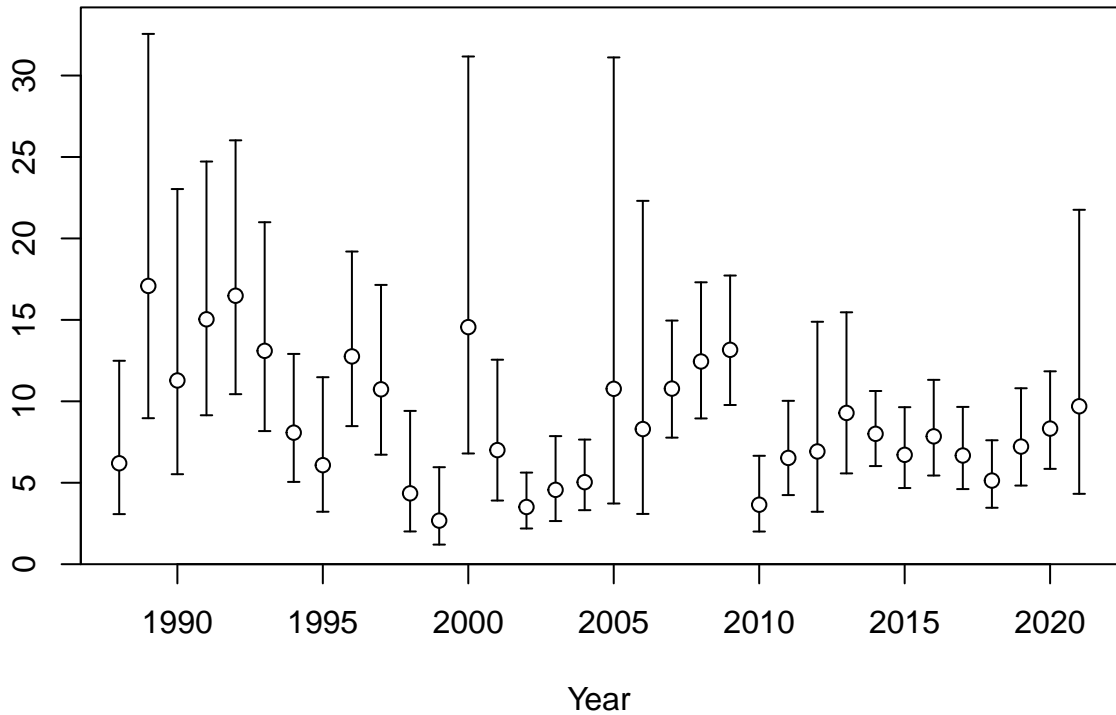
Fishing intensity: 1-SPR



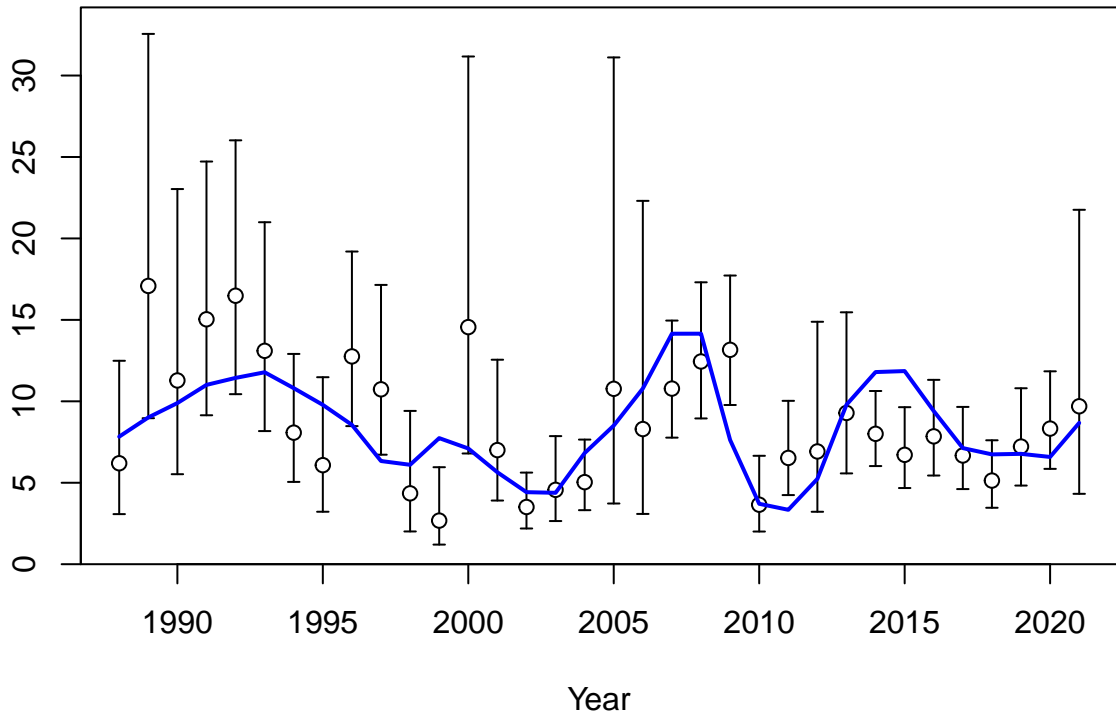
Fishing intensity: 1-SPR

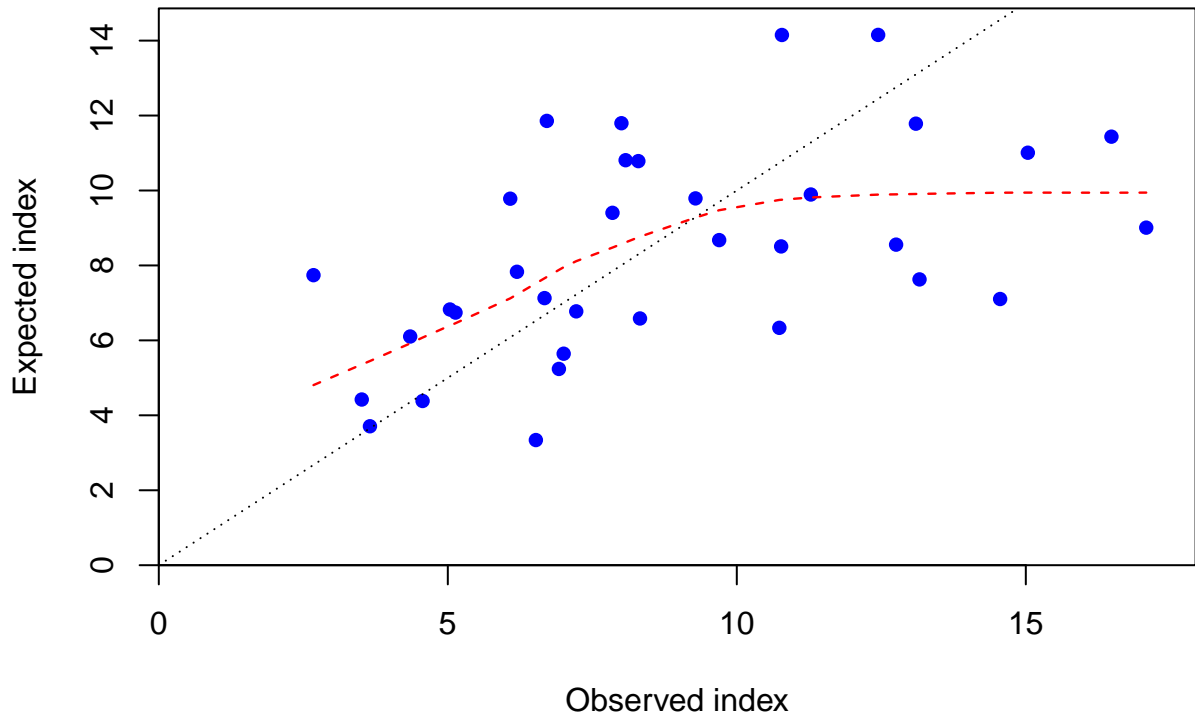


Index

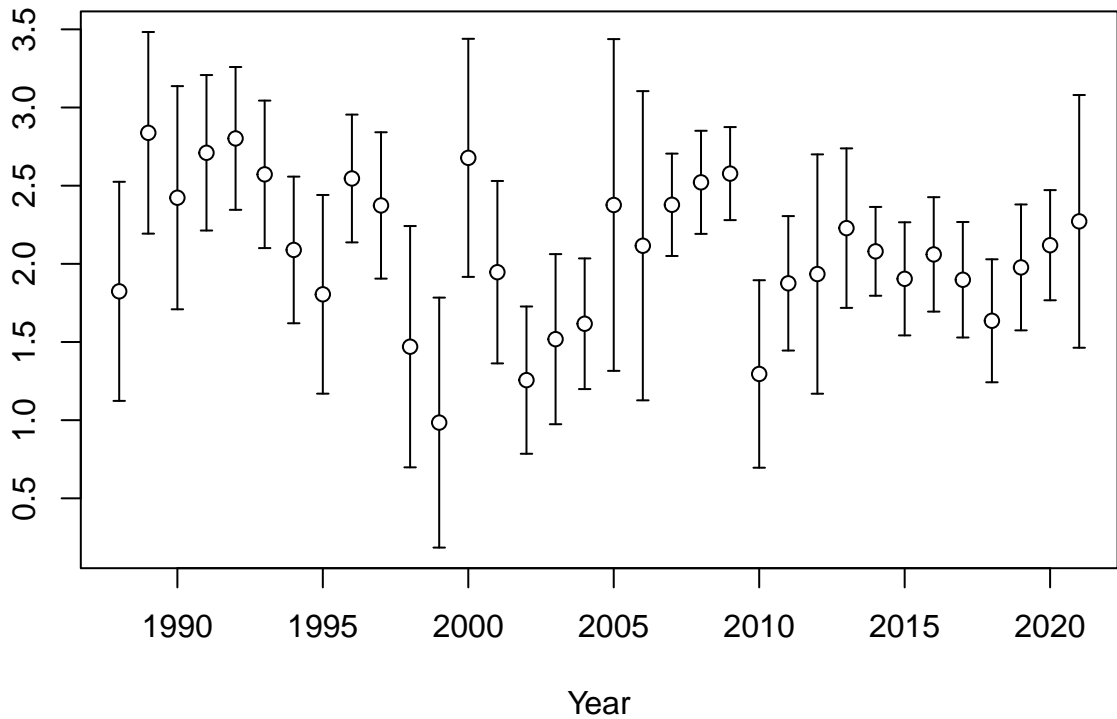


Index



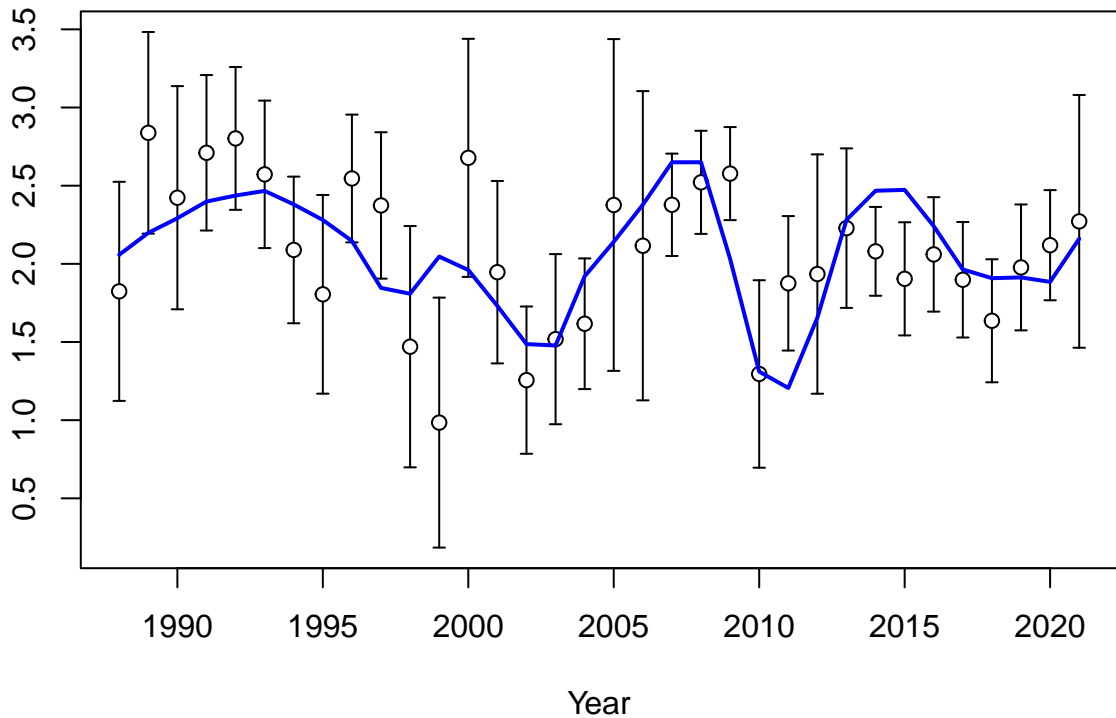


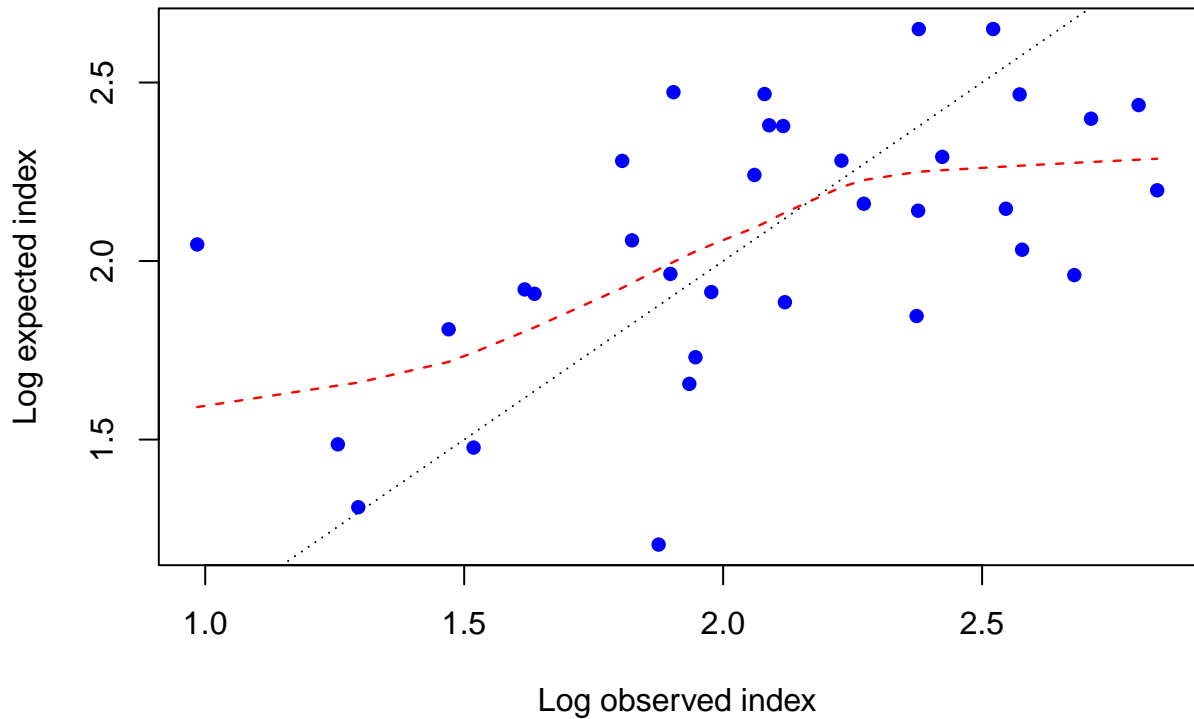
Log index

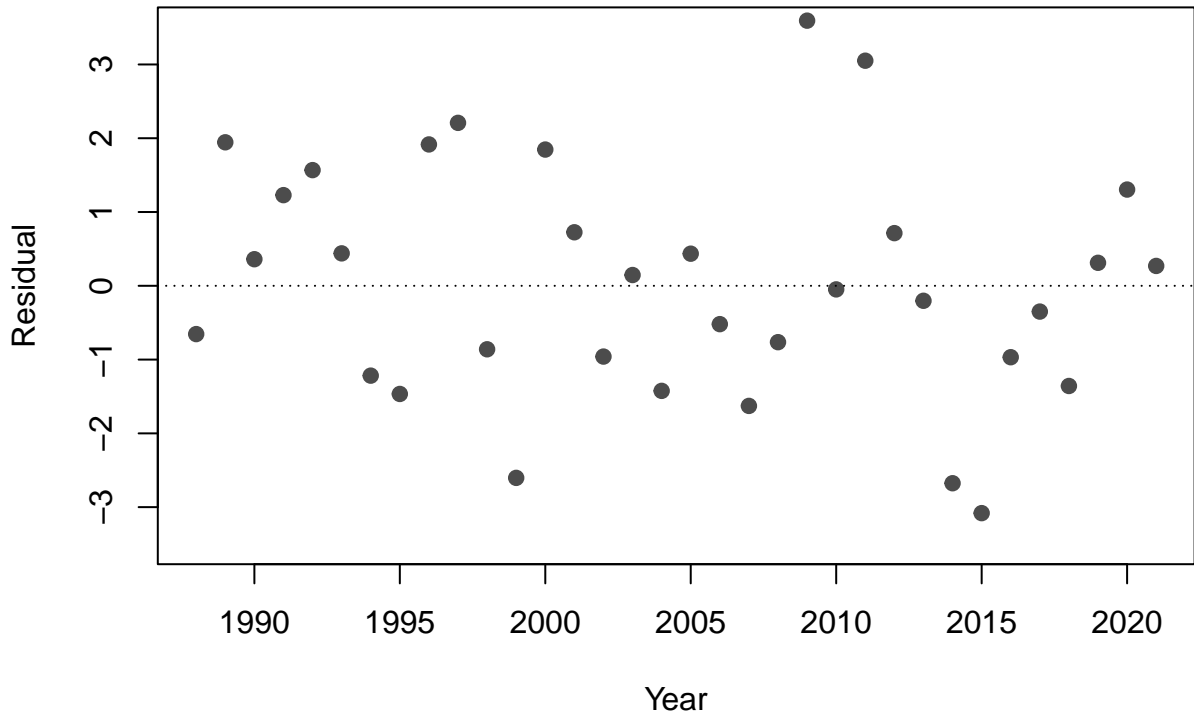


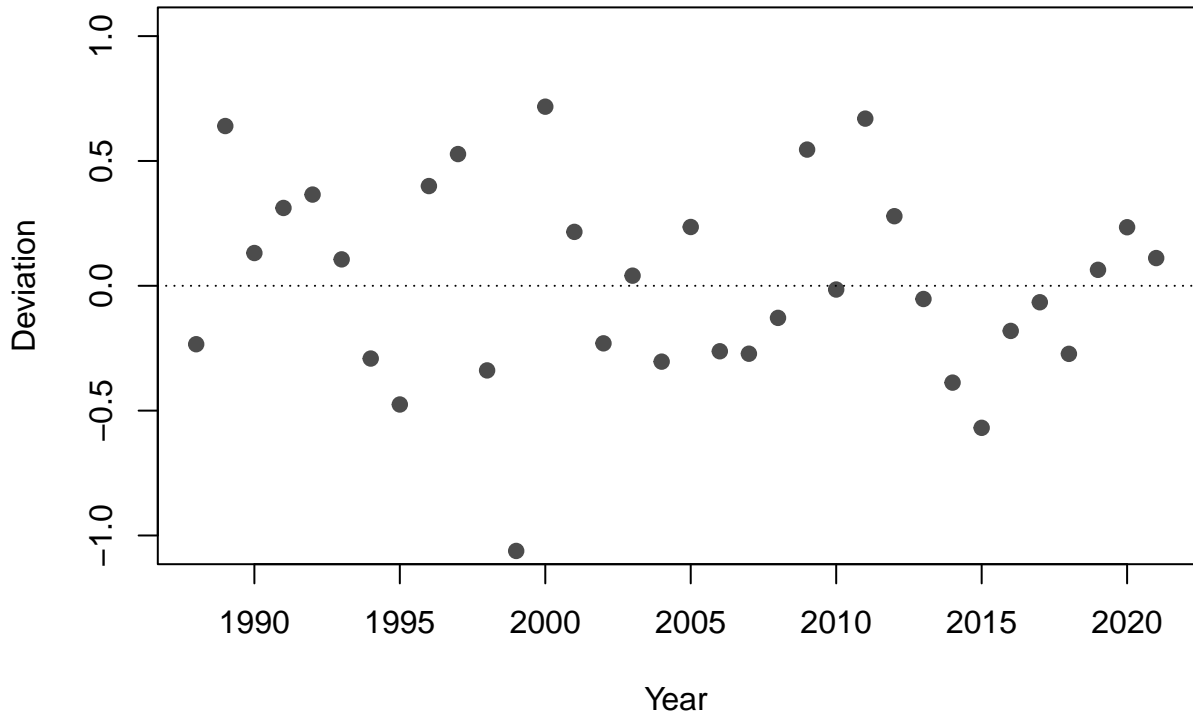


Log index

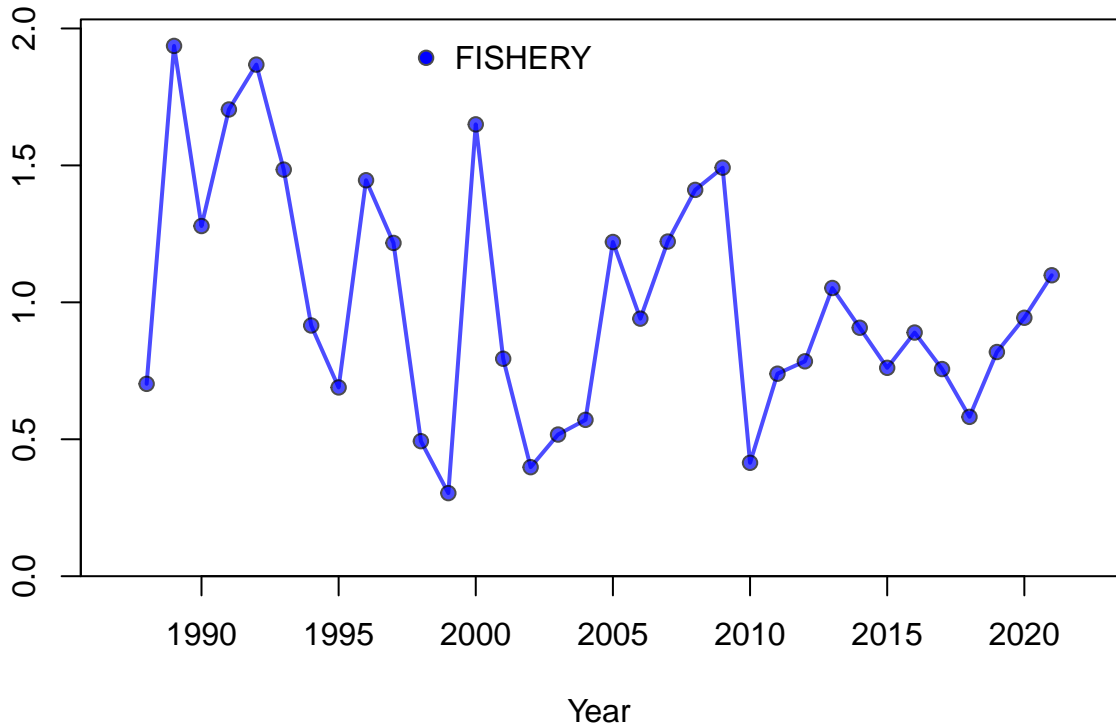


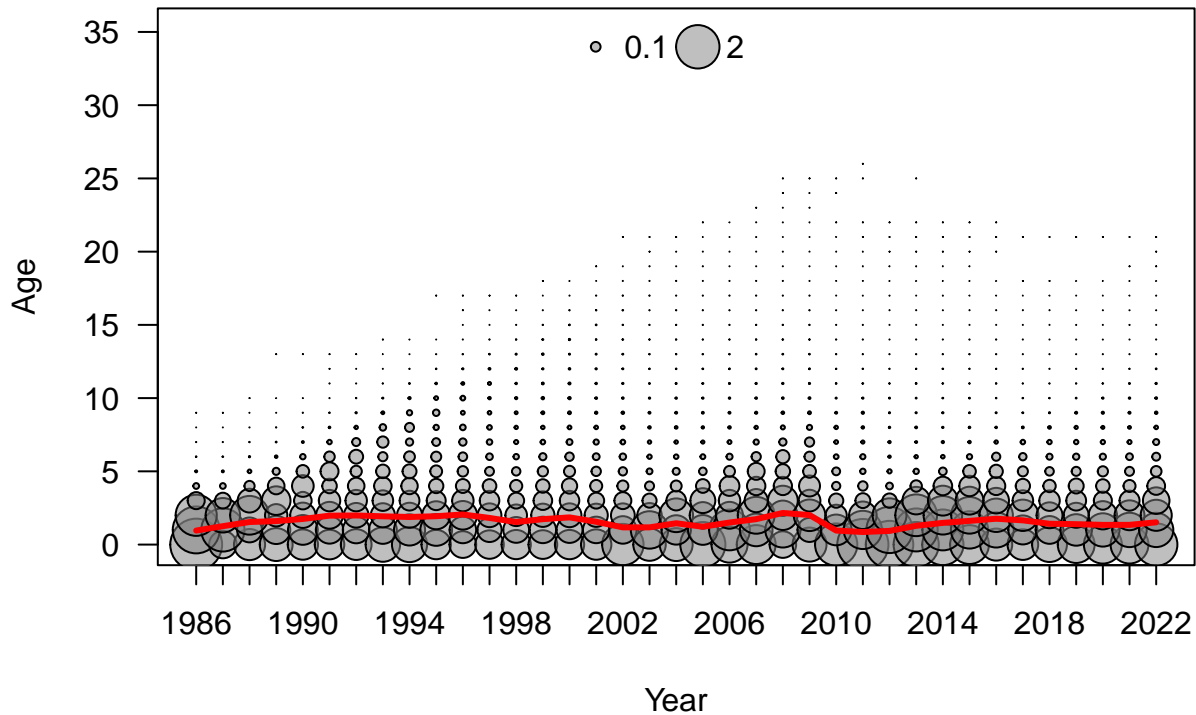


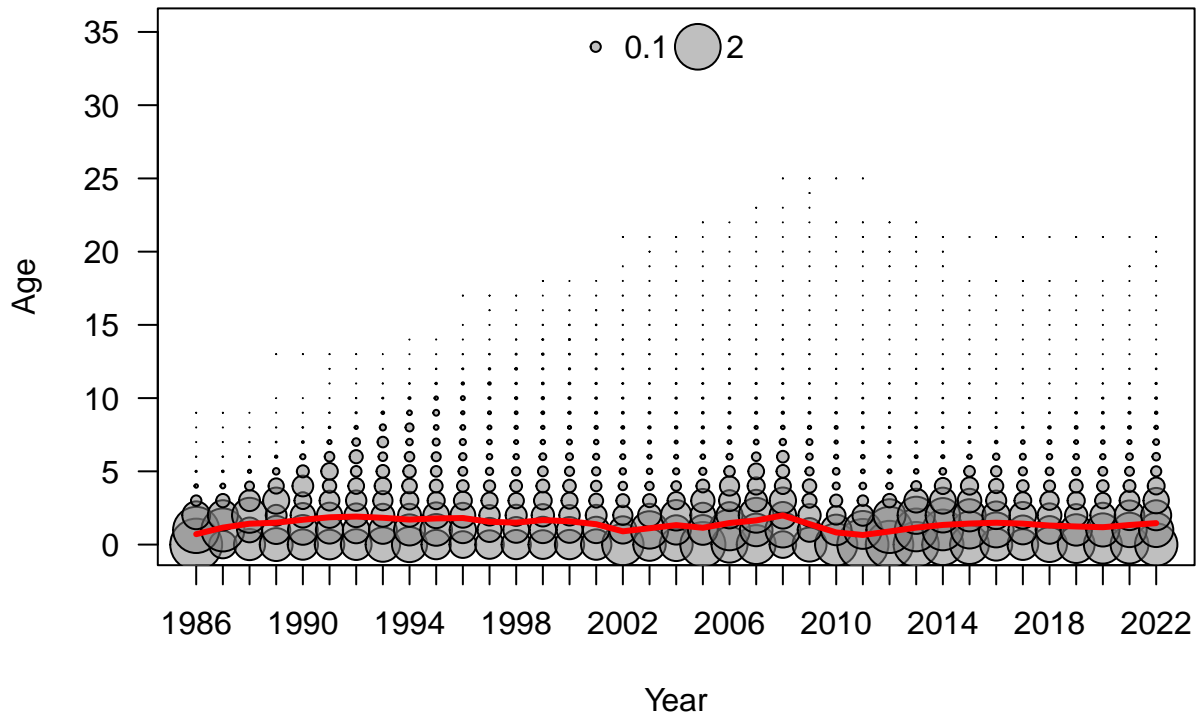


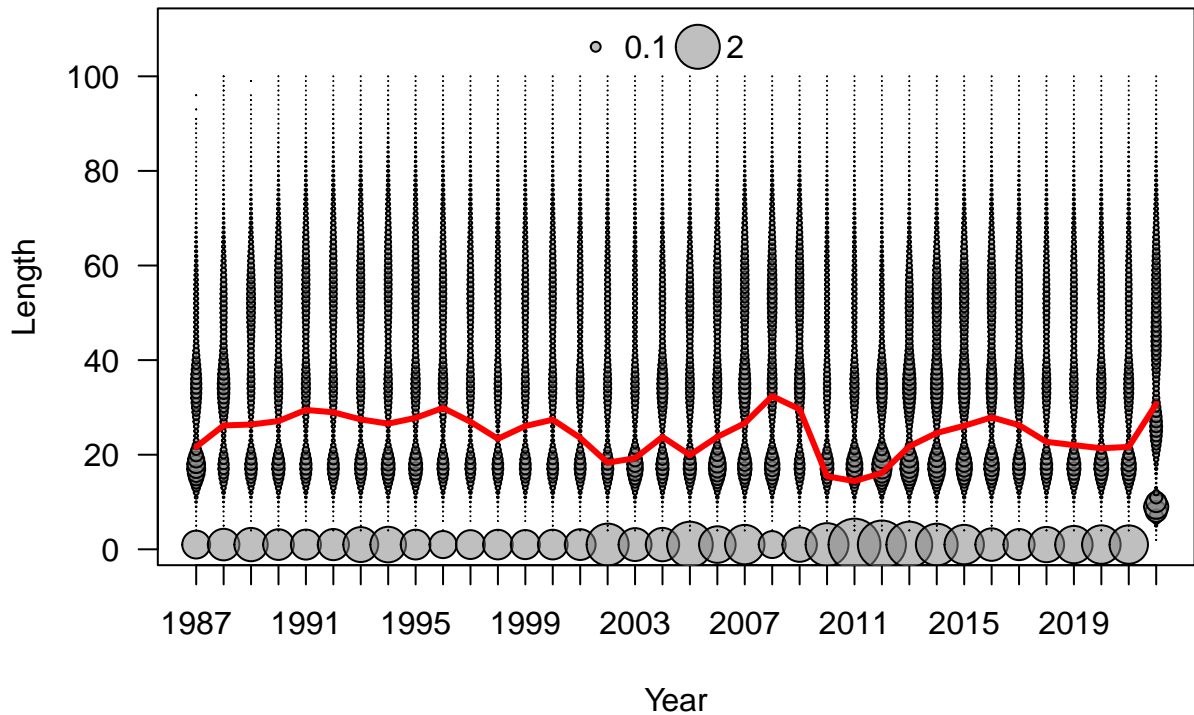


Standardized index

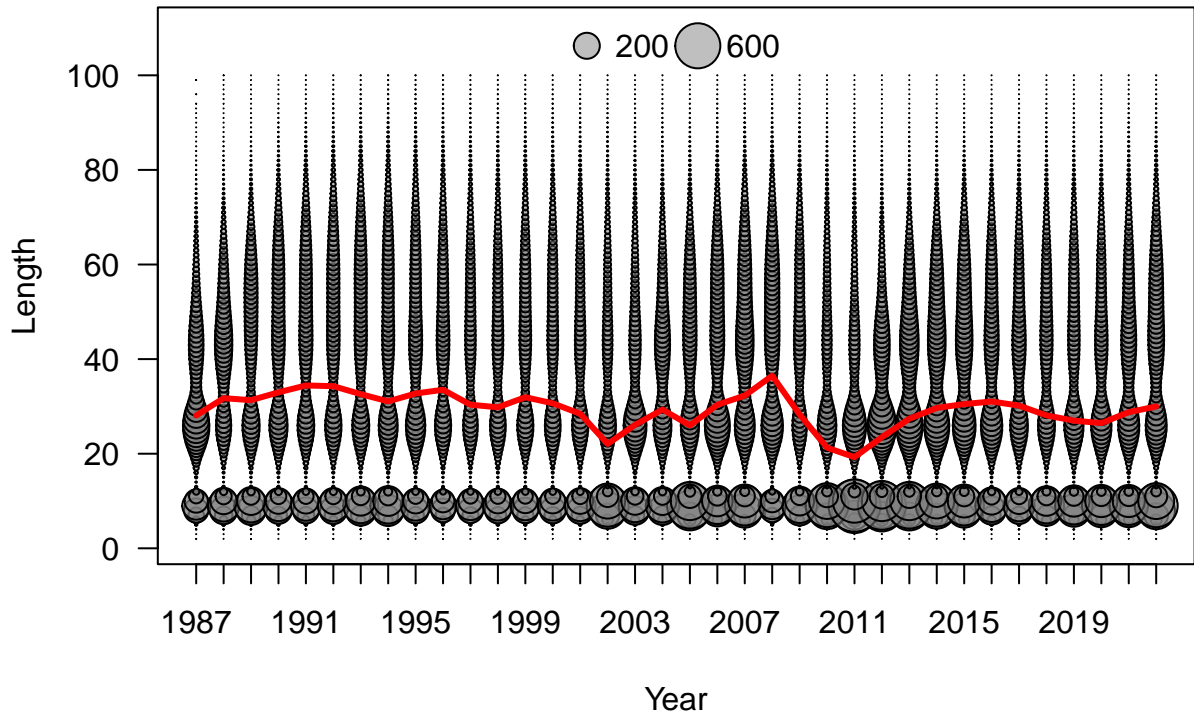


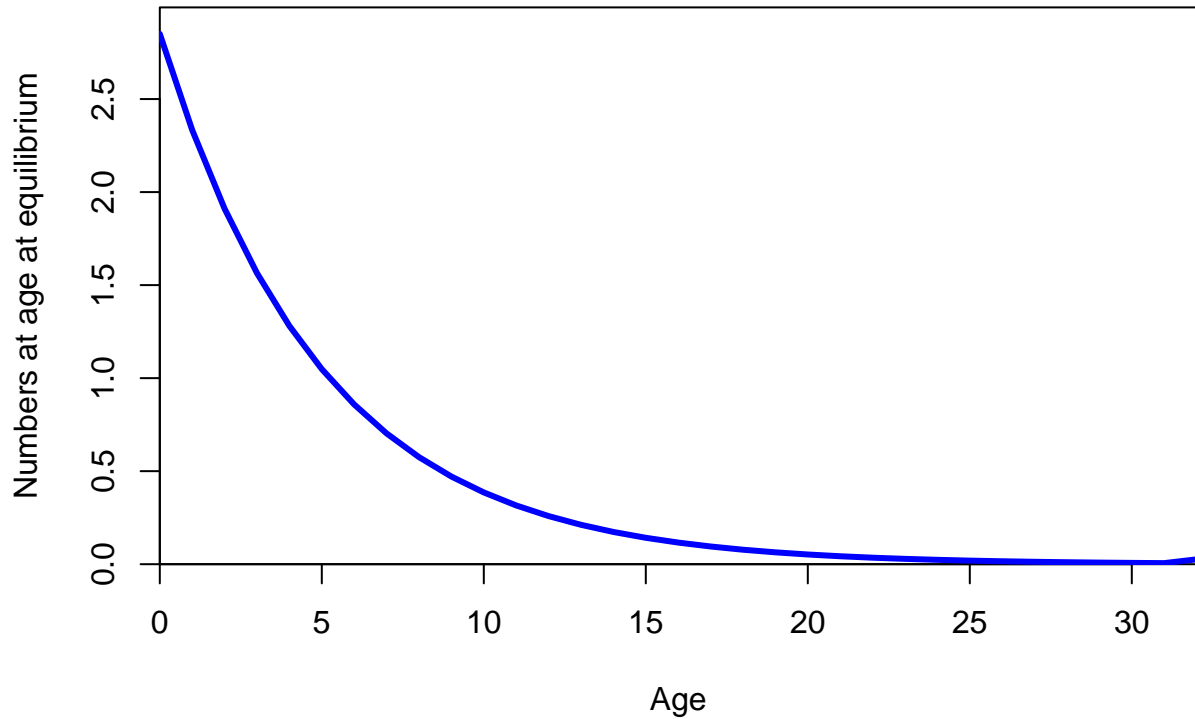


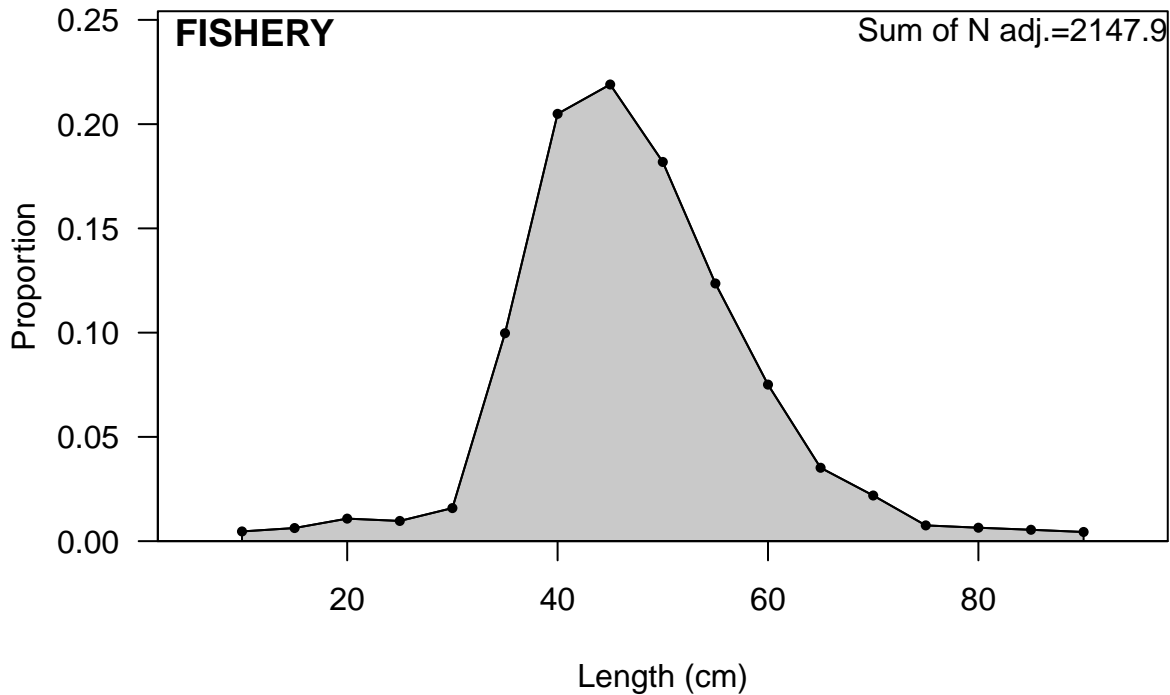










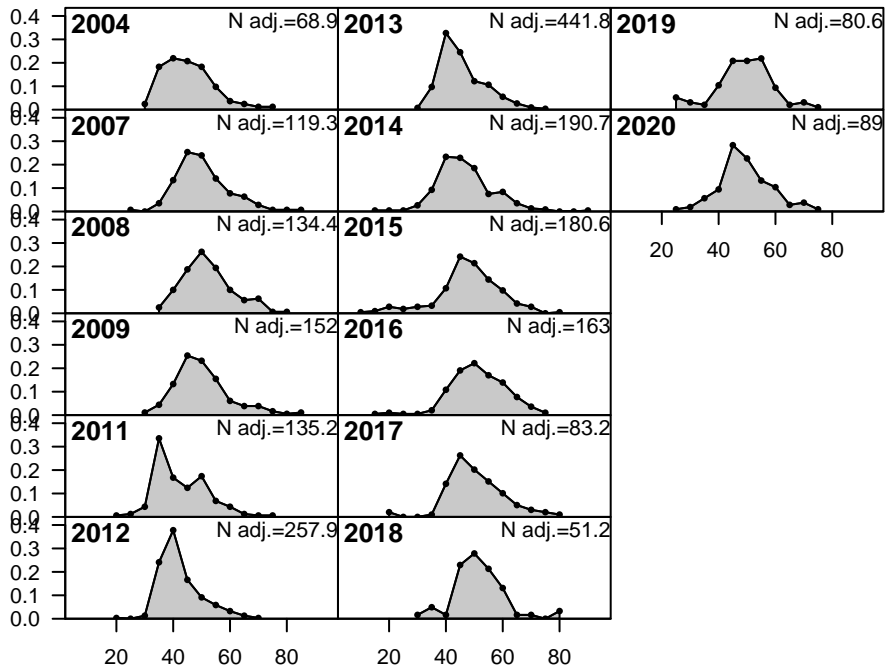


# FISHERY

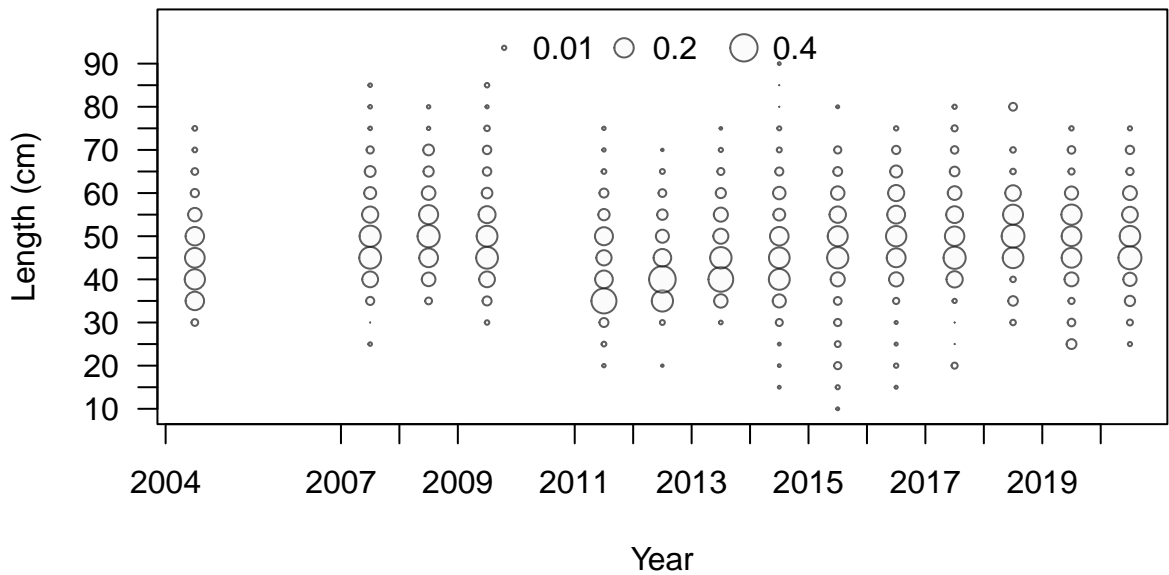
• 0.01 ○ 0.2 ○ 0.4



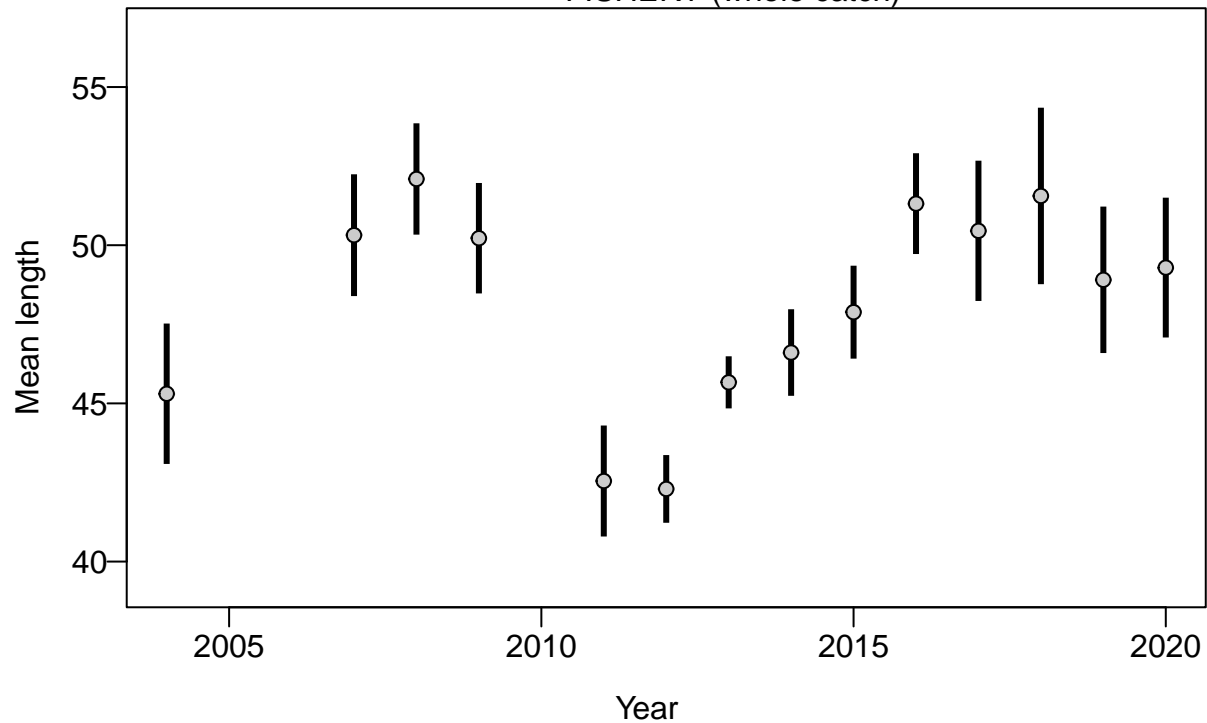
Proportion

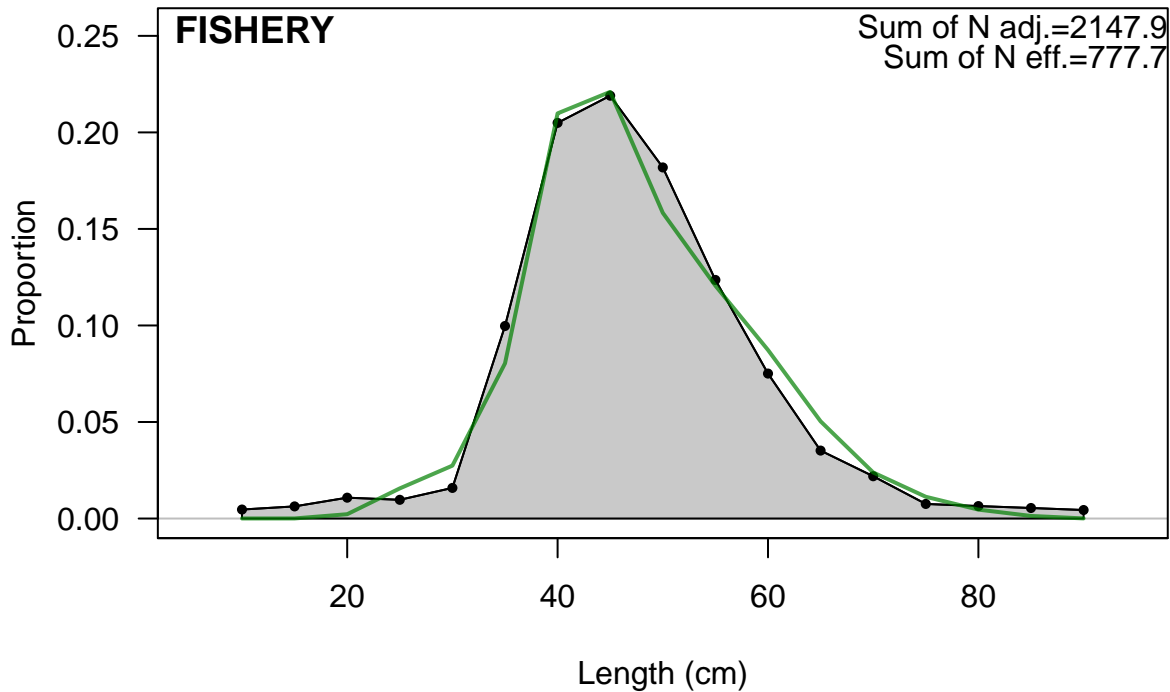


Length (cm)

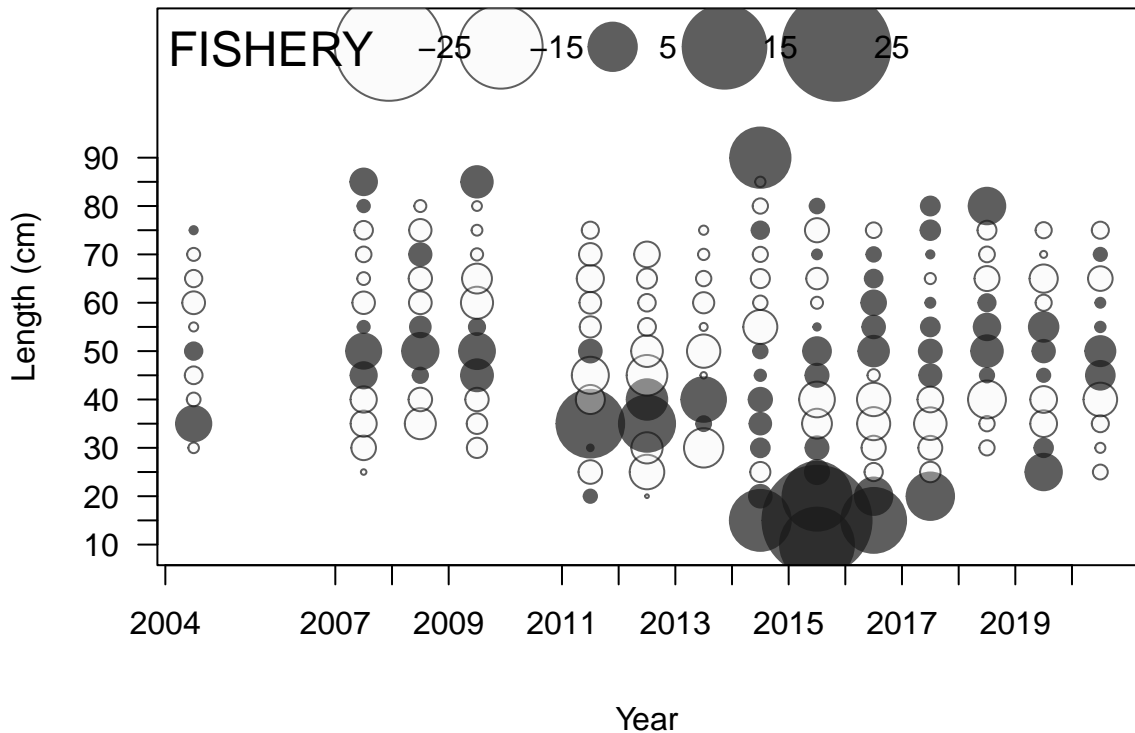


FISHERY (whole catch)

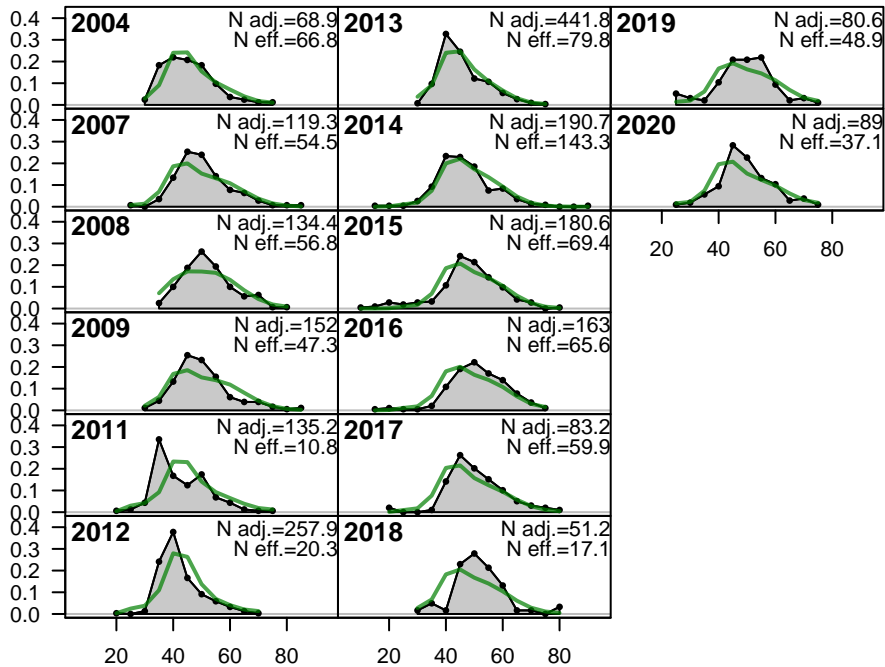






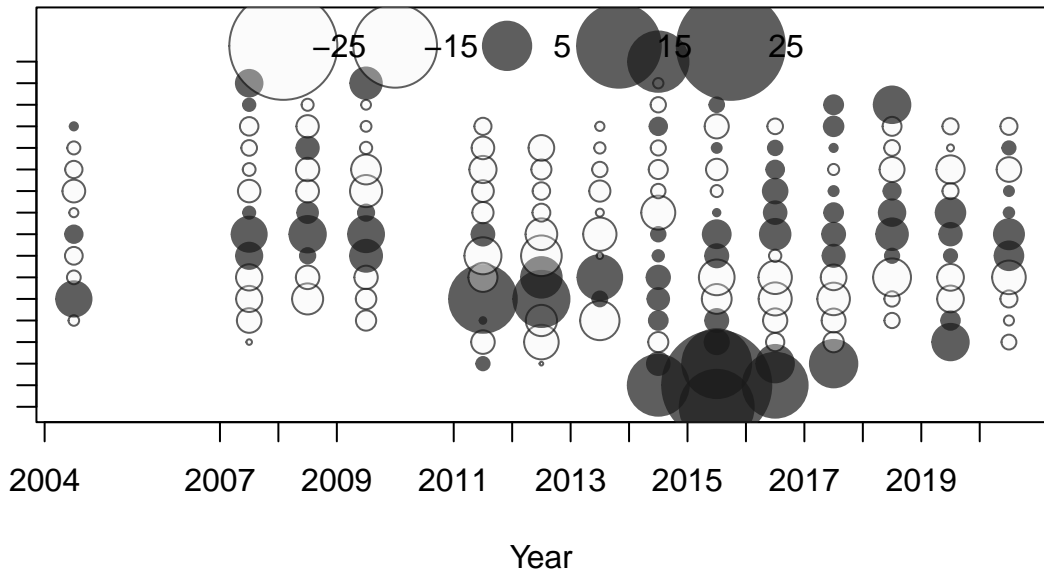


Proportion

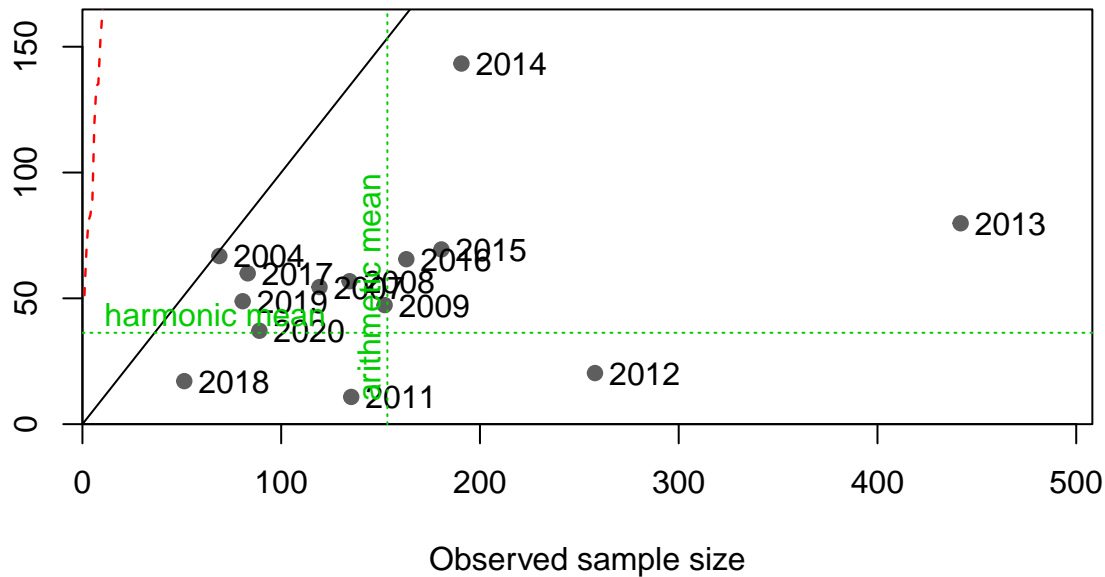


Length (cm)

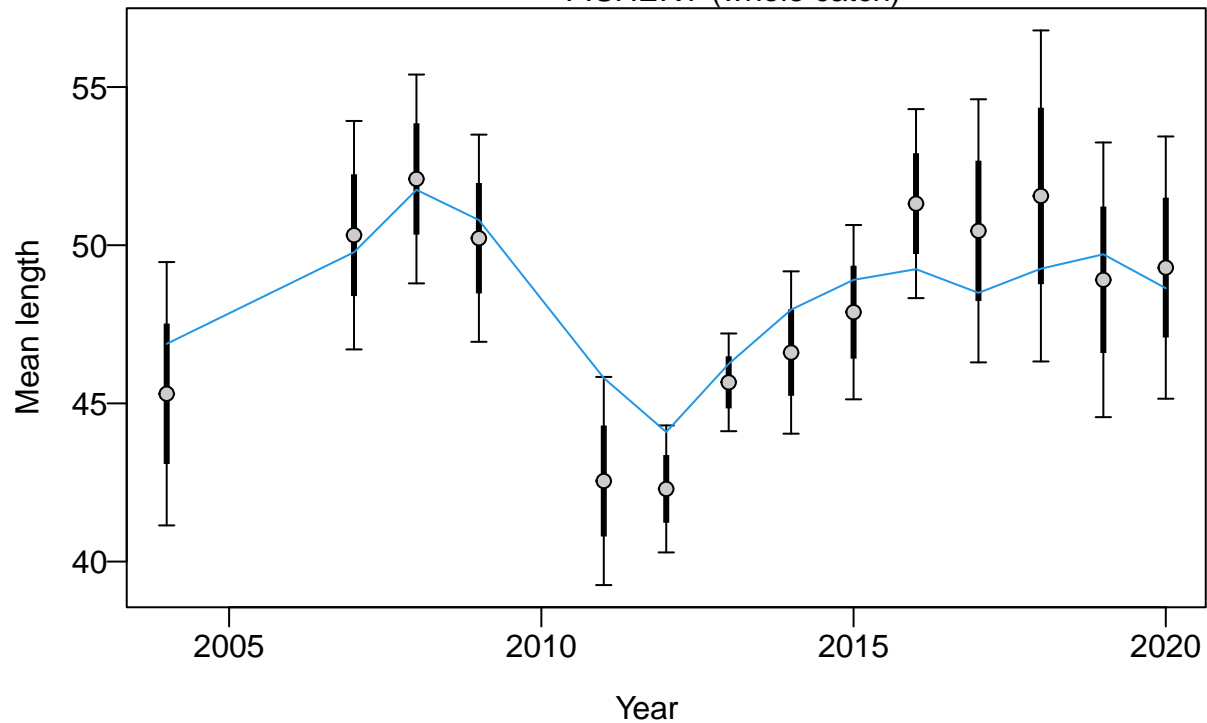
Length (cm)

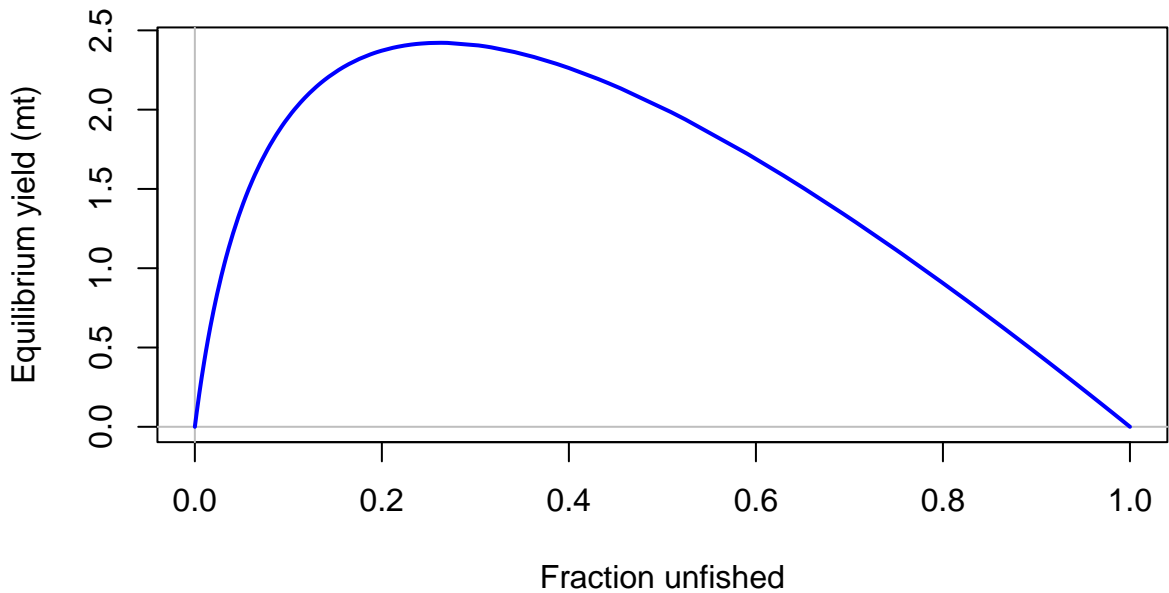


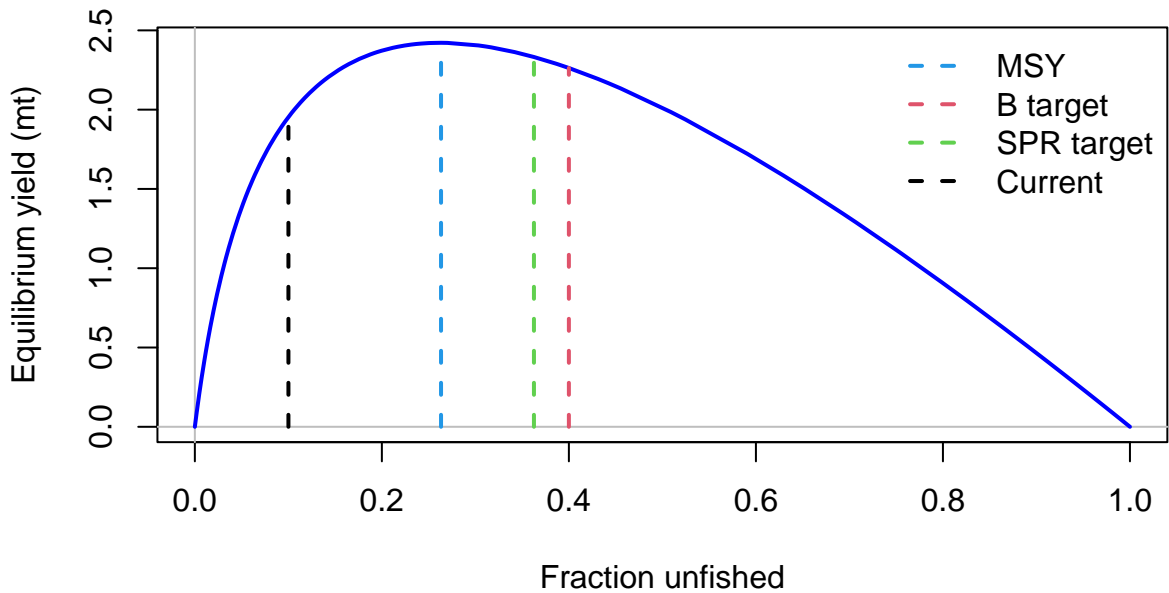
Effective sample size



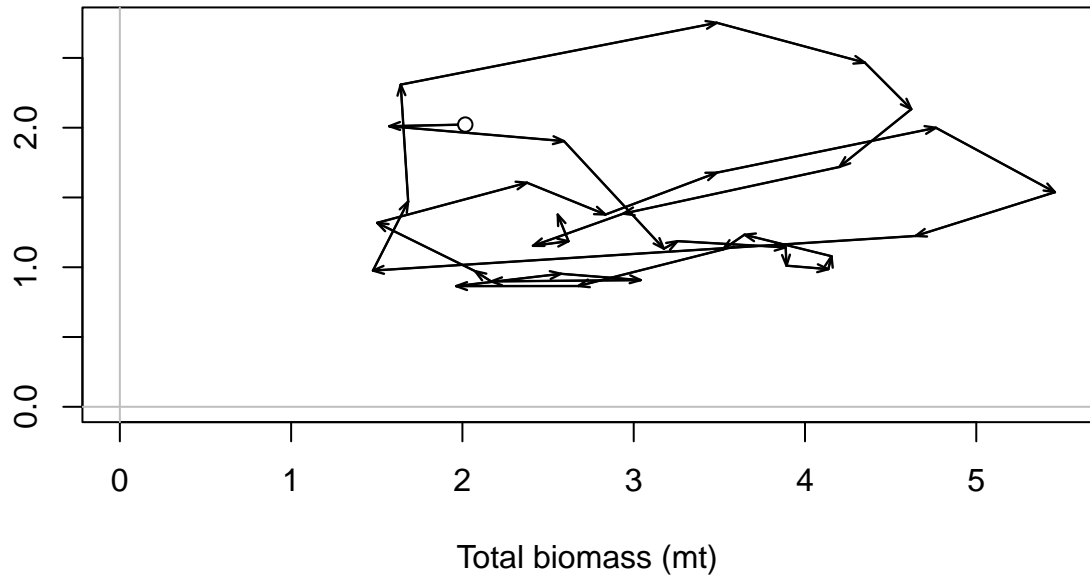
## FISHERY (whole catch)



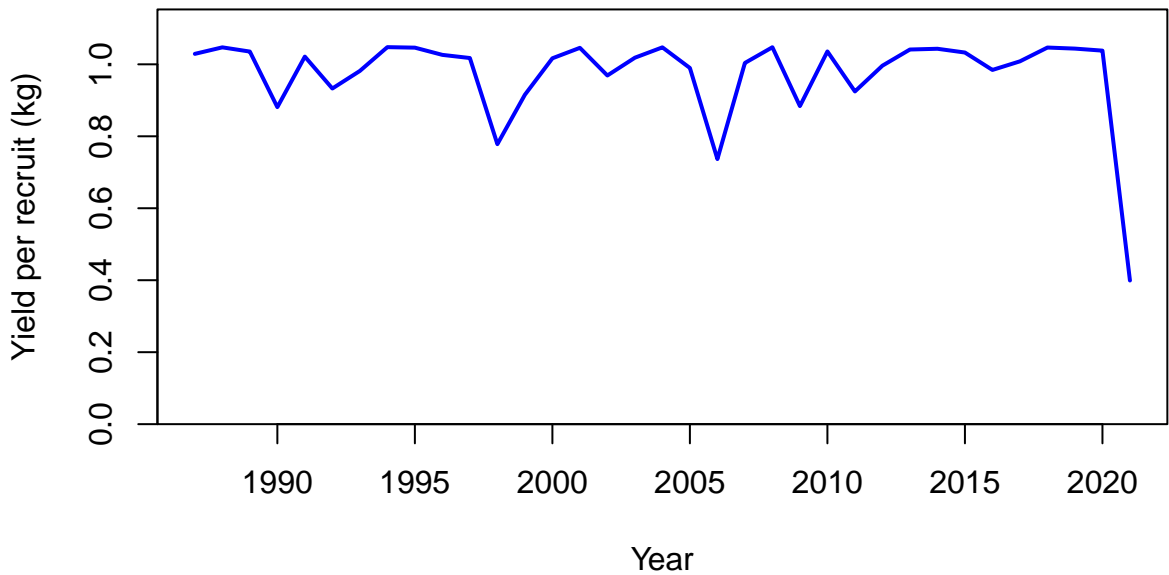


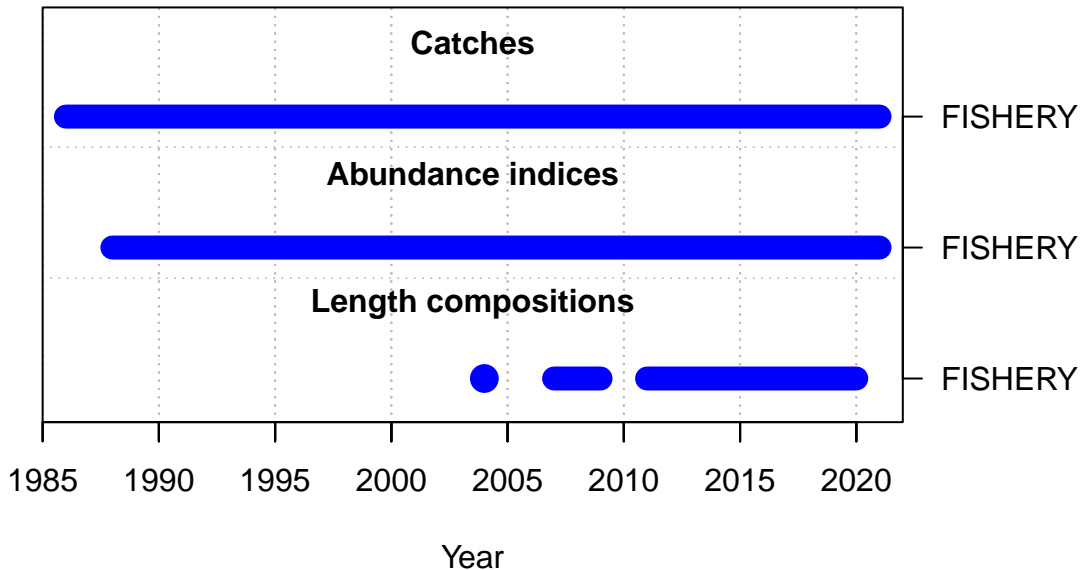


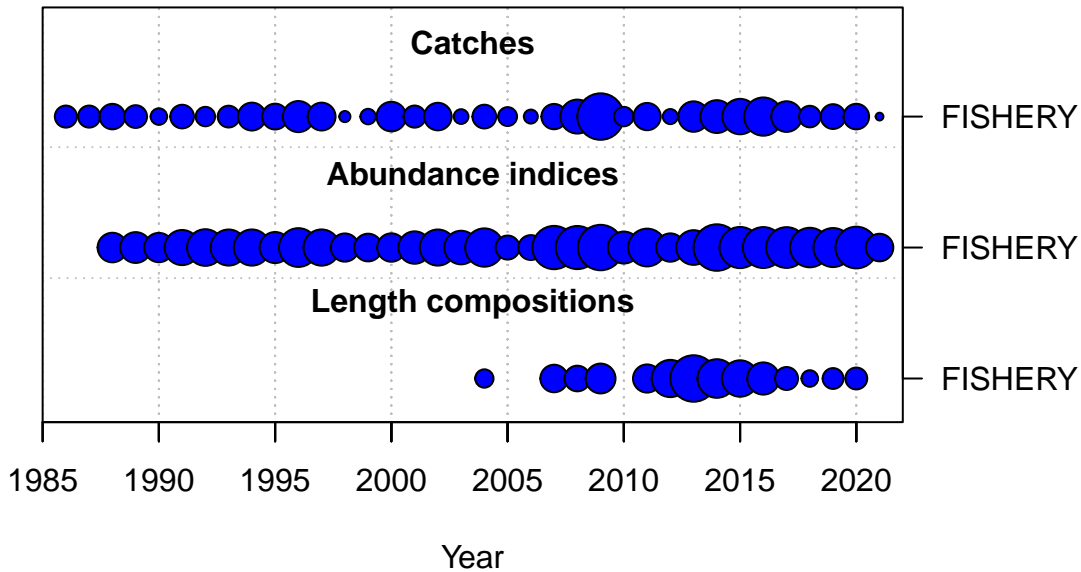
Surplus production (mt)



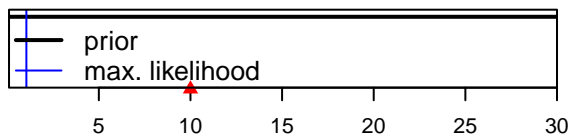




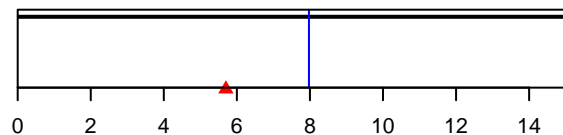




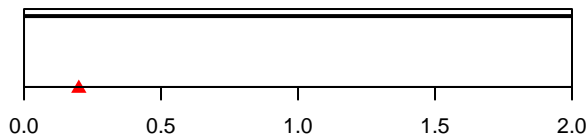
SR\_LN(R0)



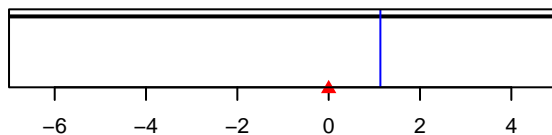
Size\_95%width\_FISHERY(1)



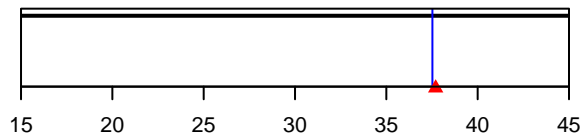
InitF\_seas\_1\_flt\_1FISHERY



LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Parameter value