

Plots created using the 'r4ss' package in R

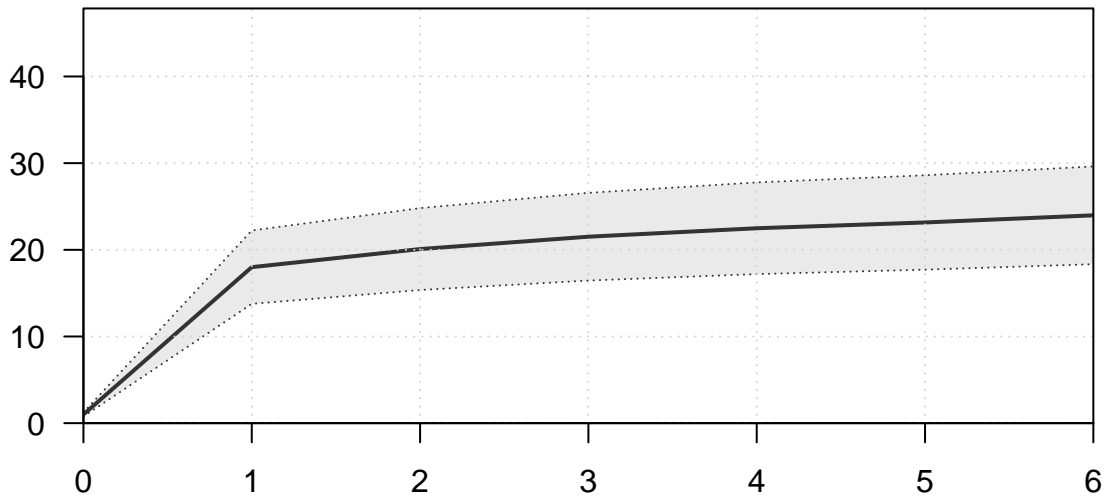
Stock Synthesis version: 3.30.19.0

StartTime: Sat Jul 23 08:53:16 2022

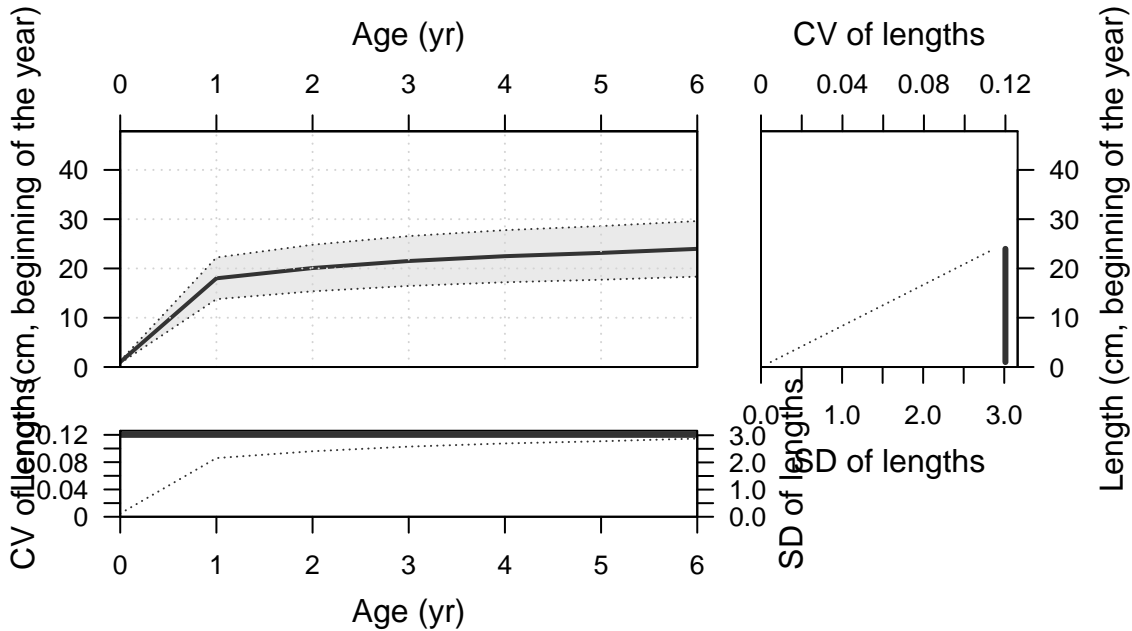
Data\_File: data.ss

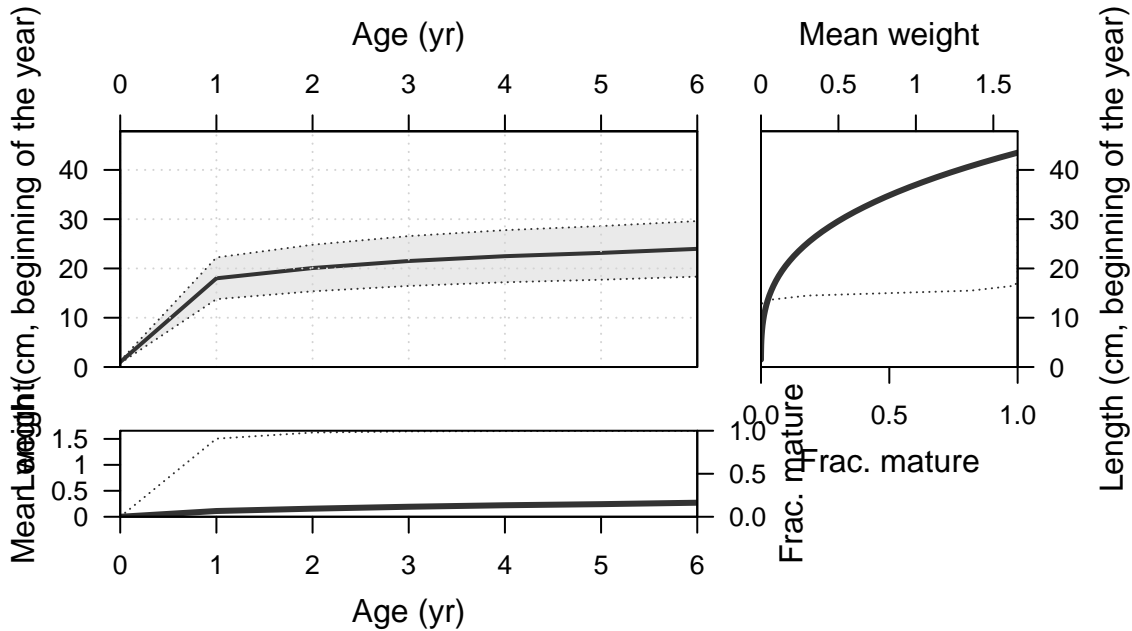
Control\_File: control.ss

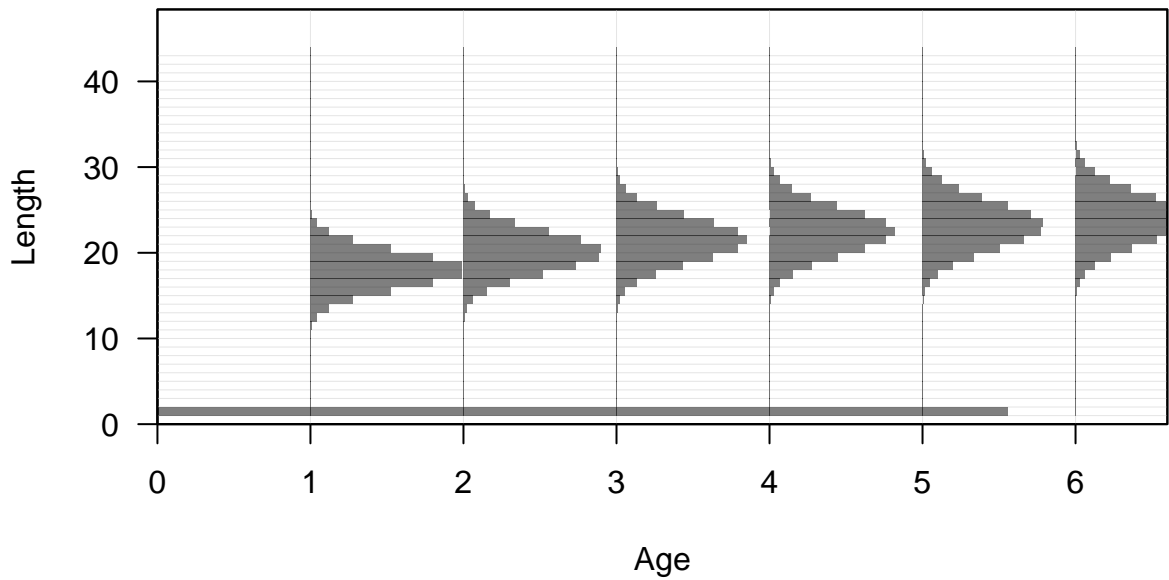
Length (cm, beginning of the year)

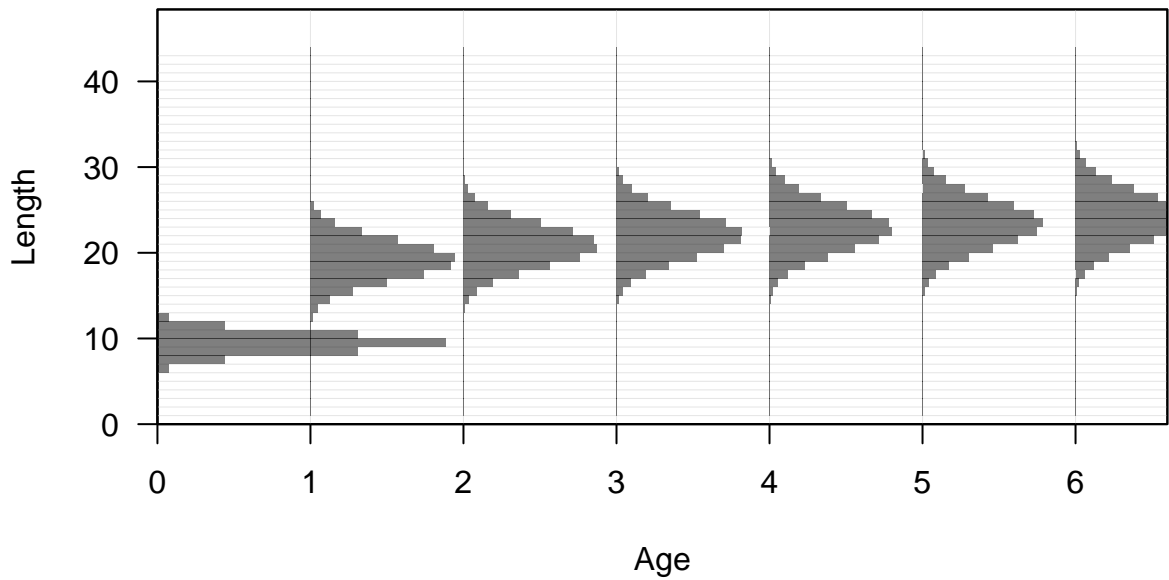


Age (yr)







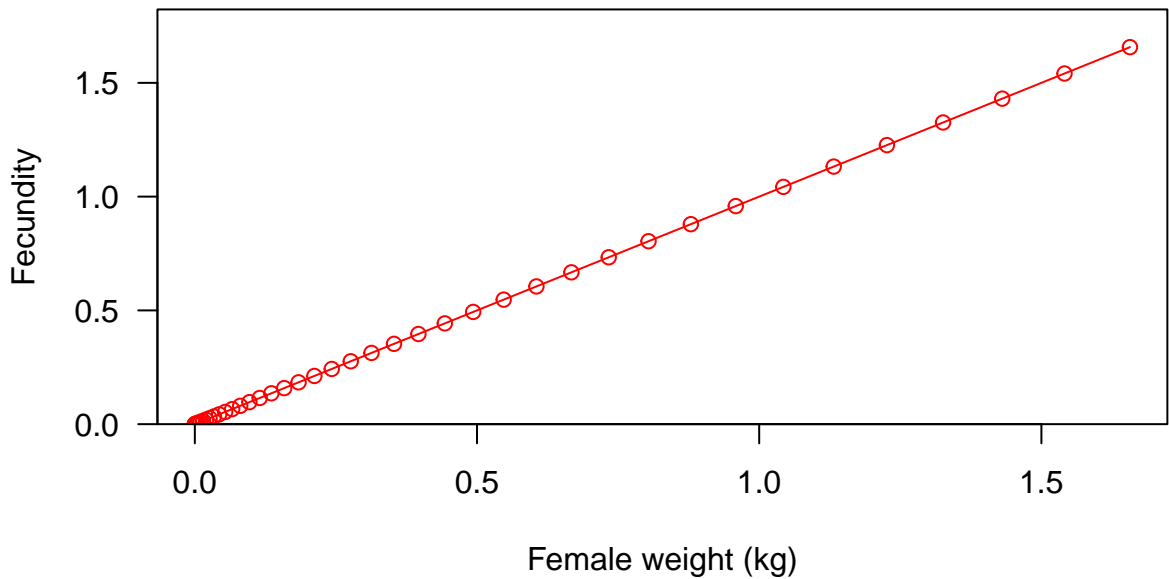






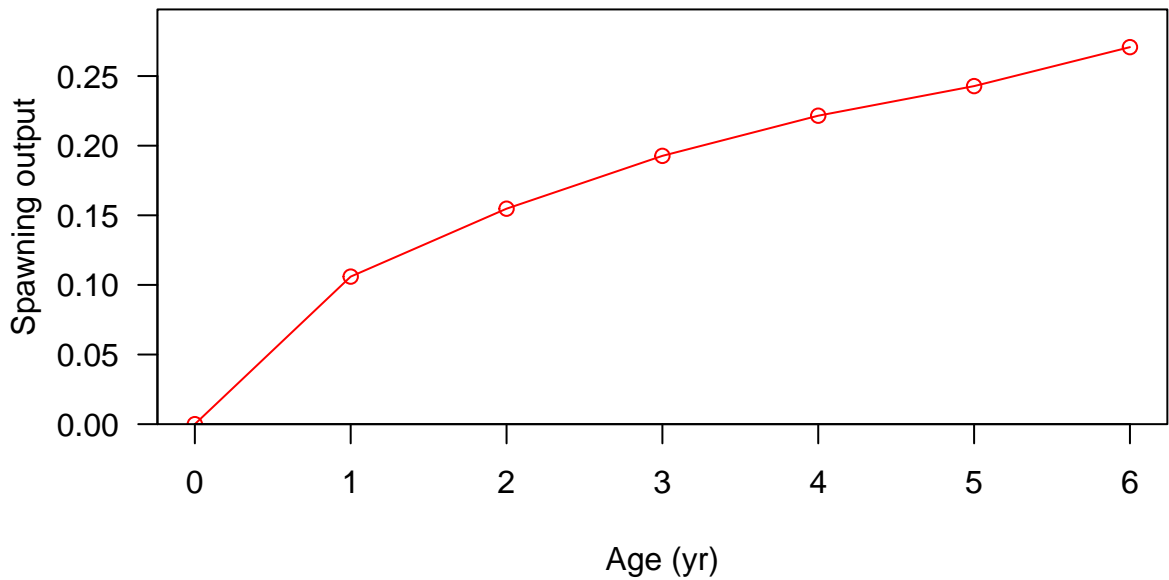




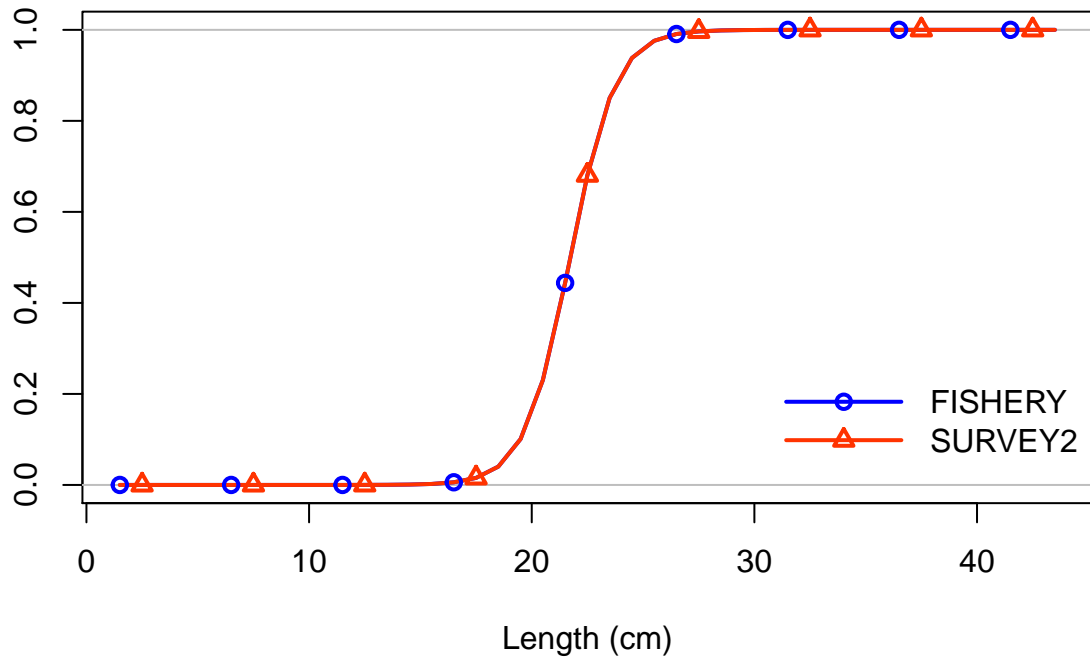




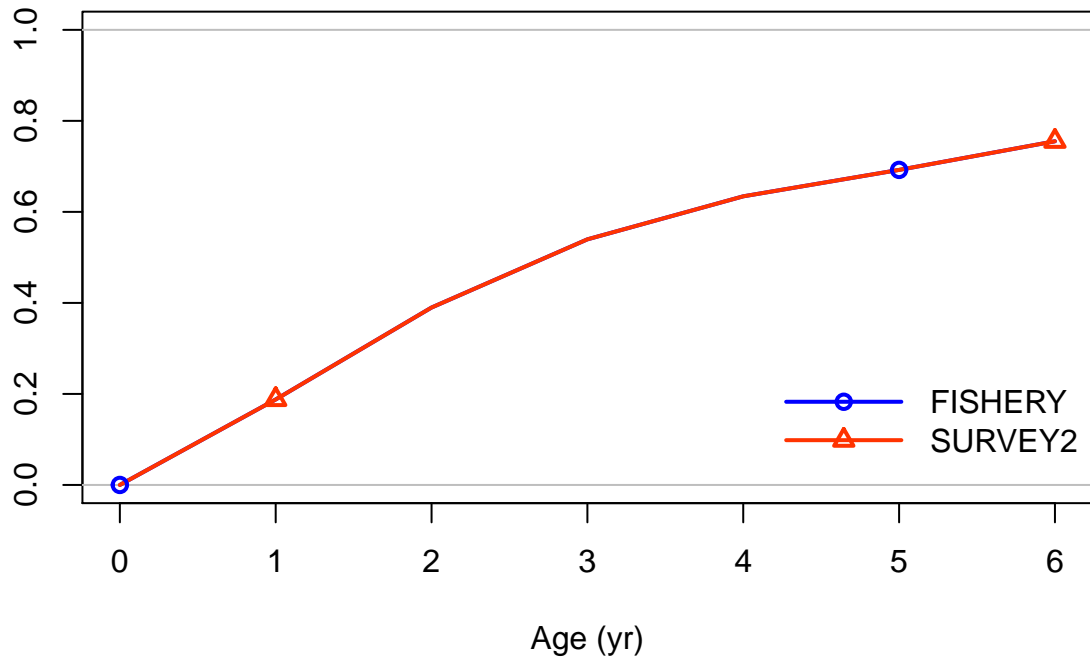




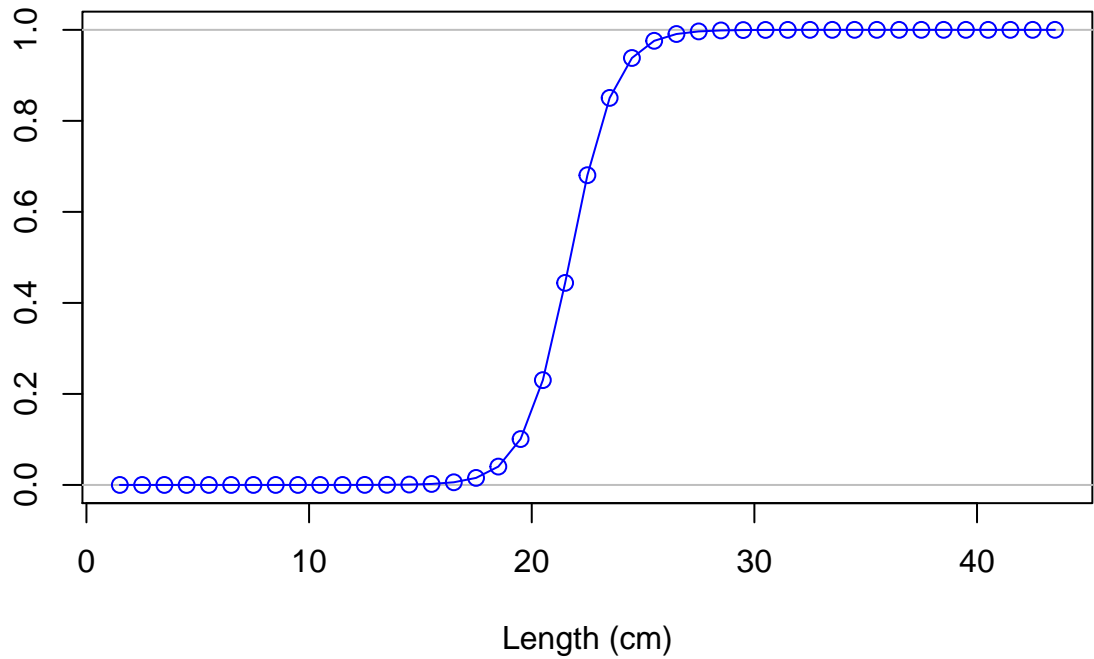
Selectivity



Selectivity

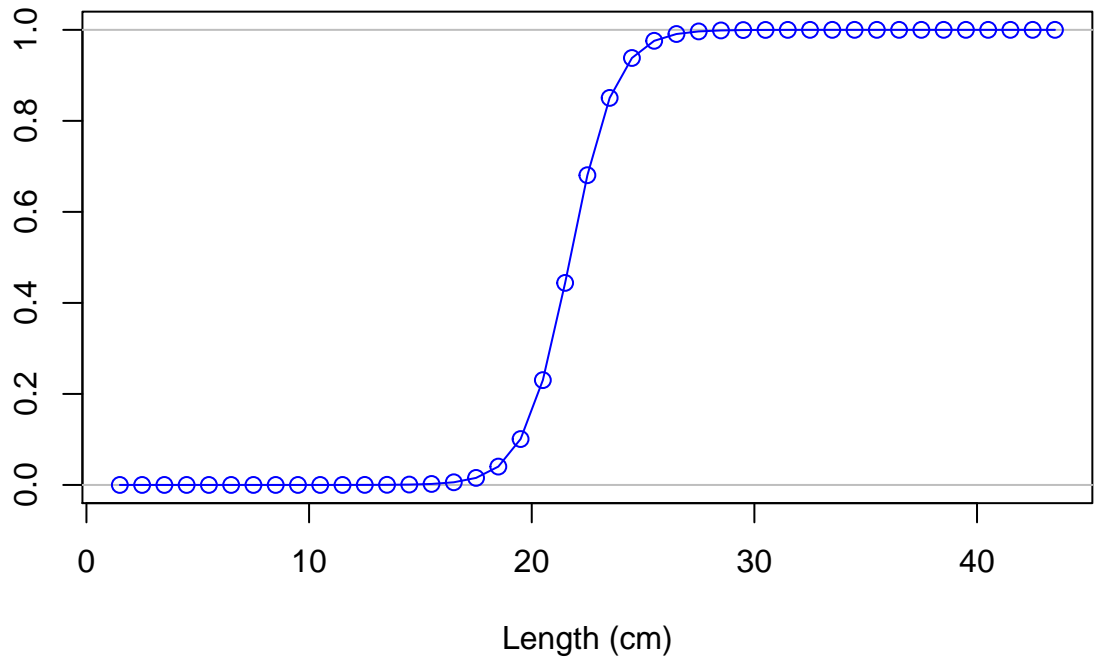


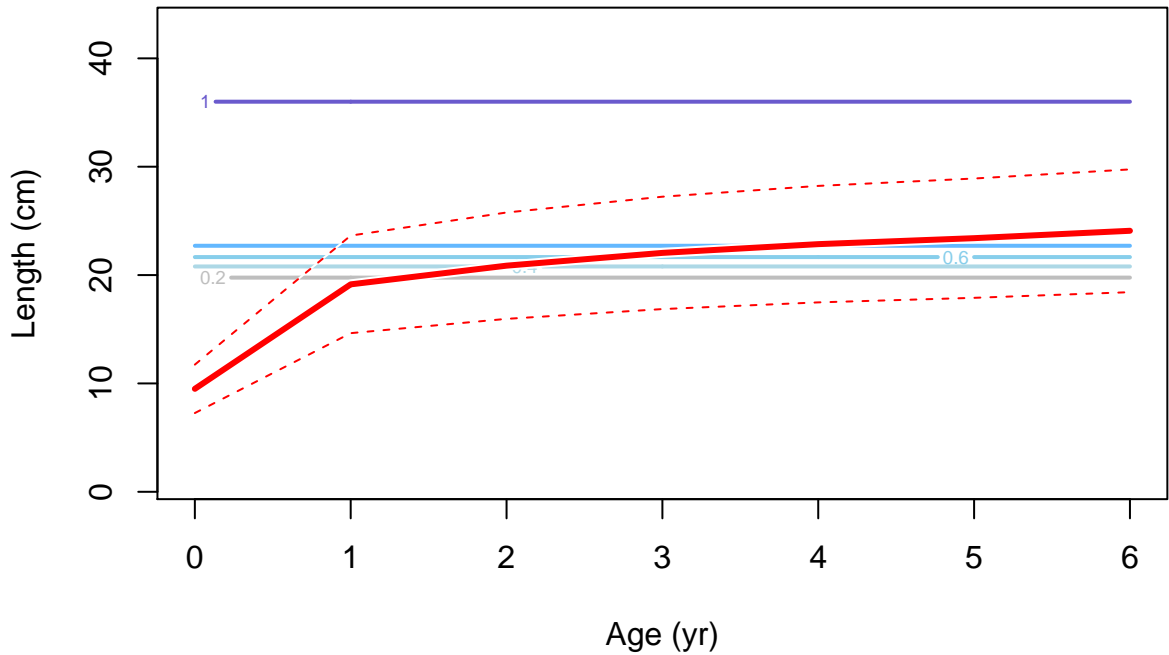
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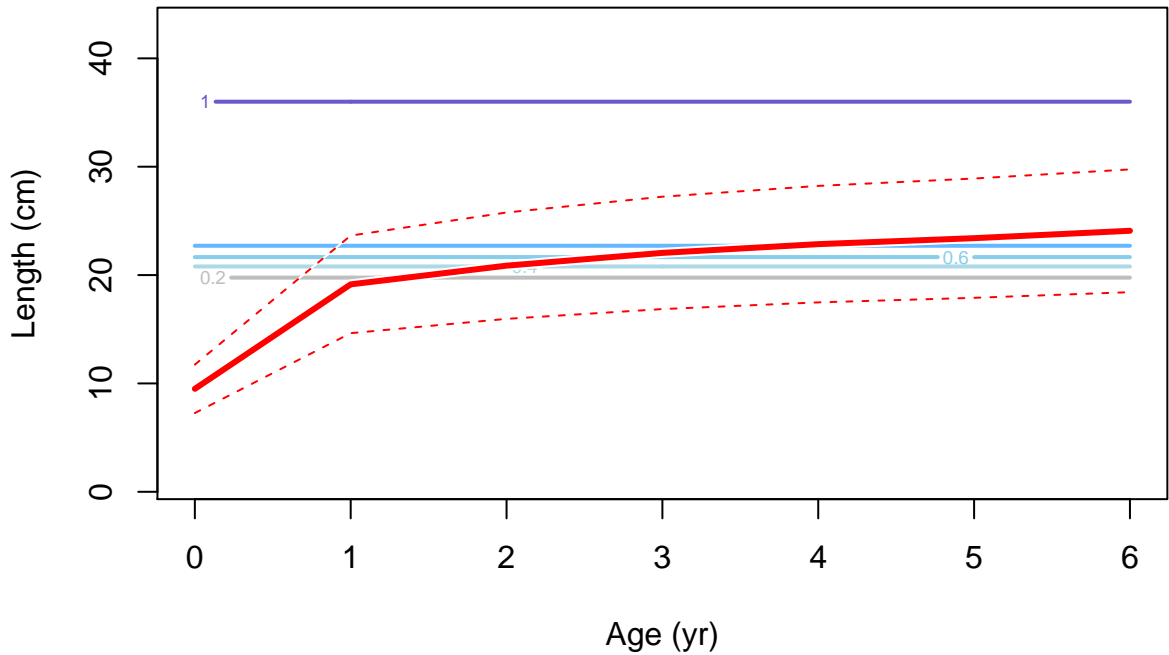




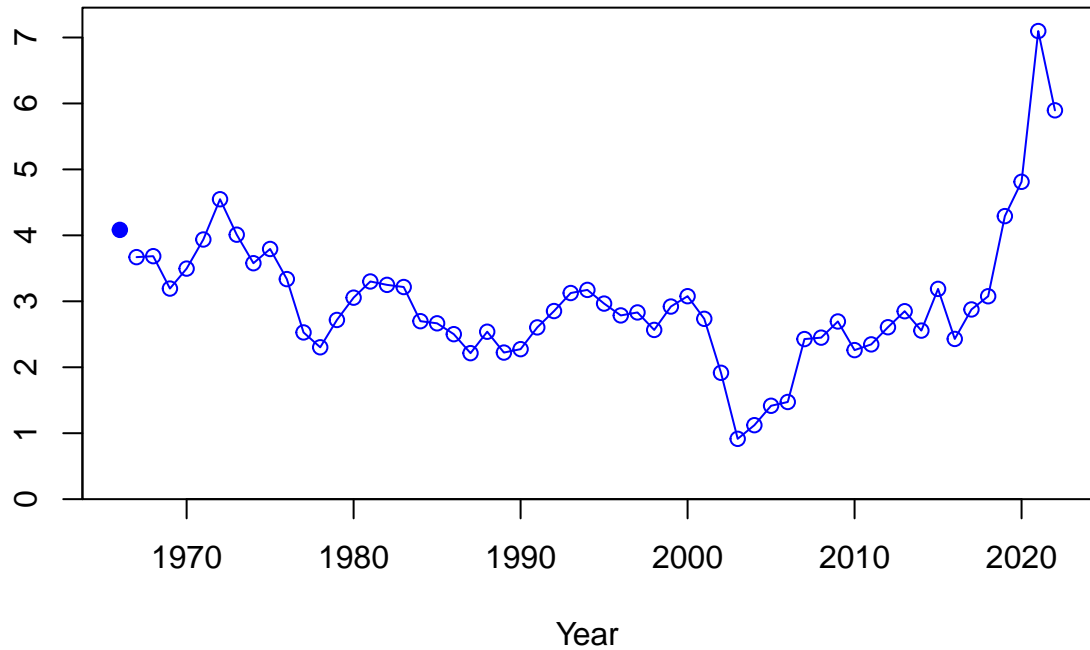
Selectivity



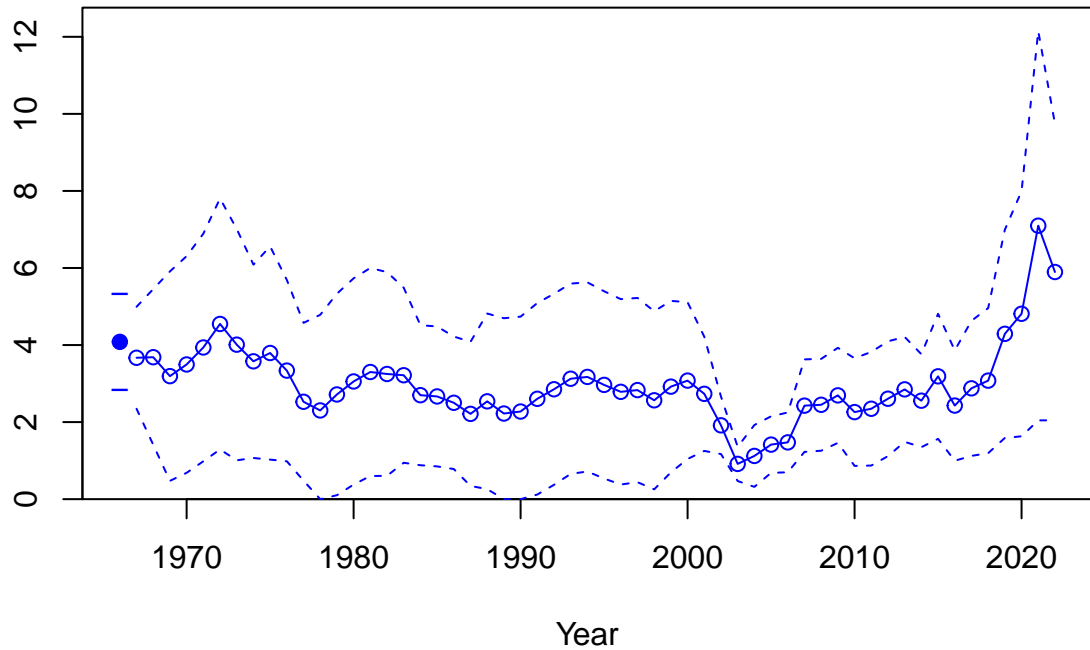




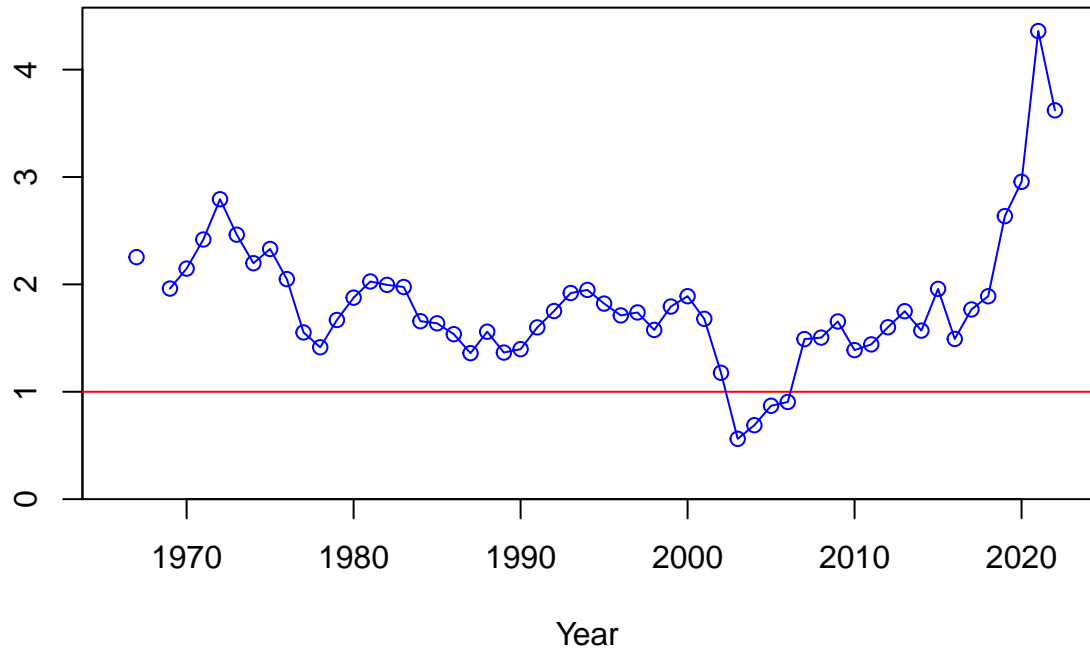
Spawning biomass (mt)



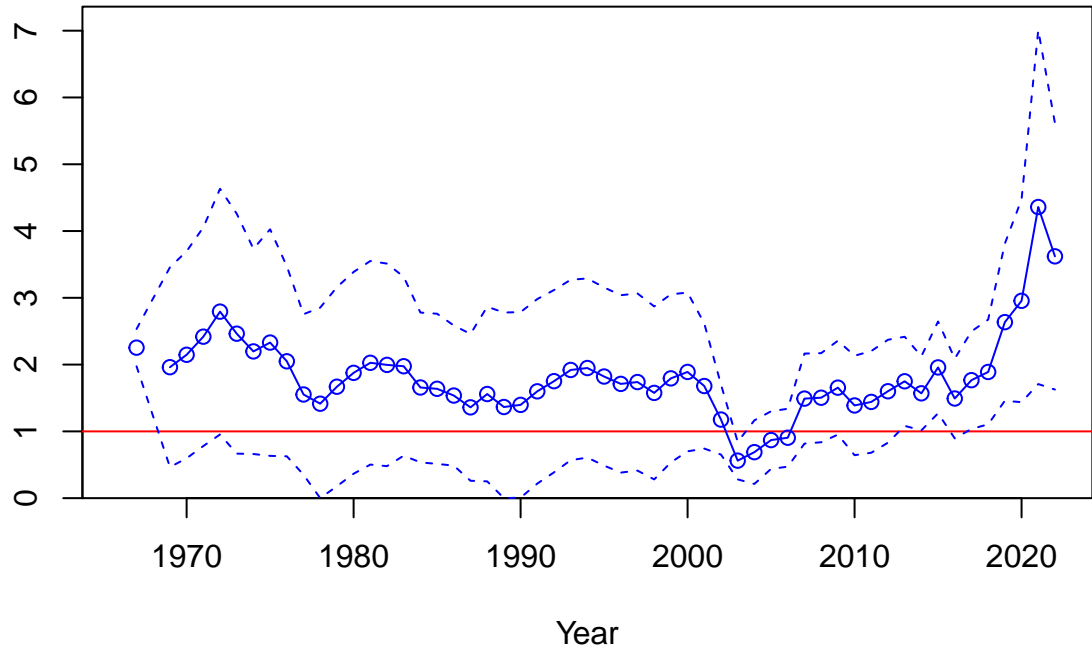
Spawning biomass (mt)

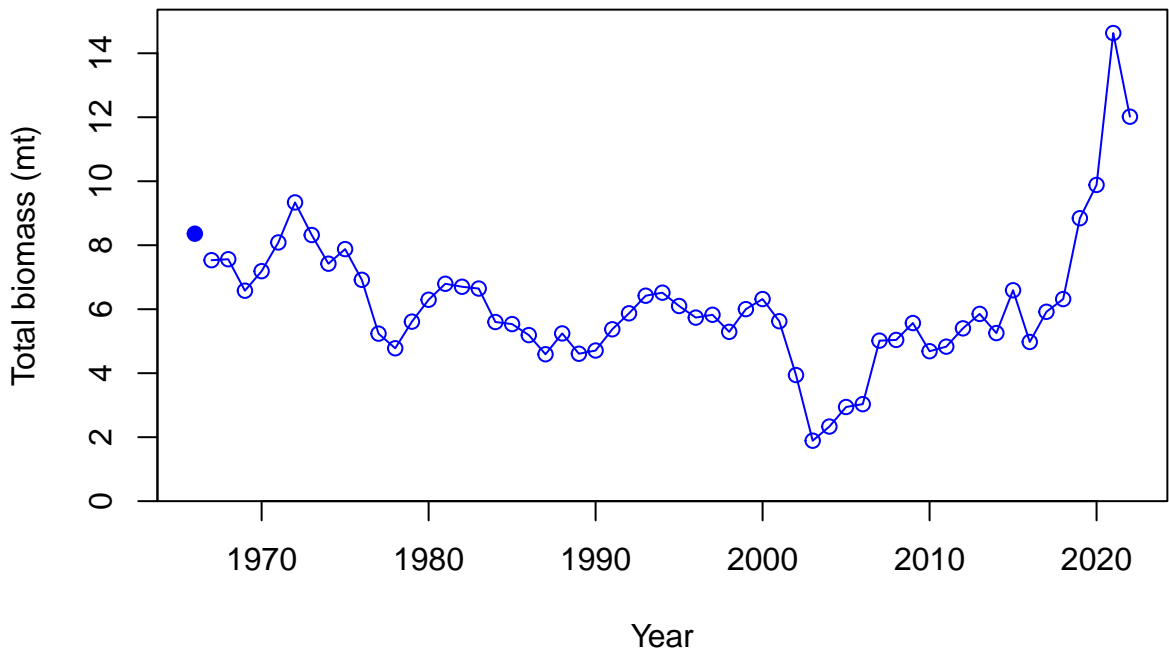


Relative spawning biomass:  $B/B_{MSY}$



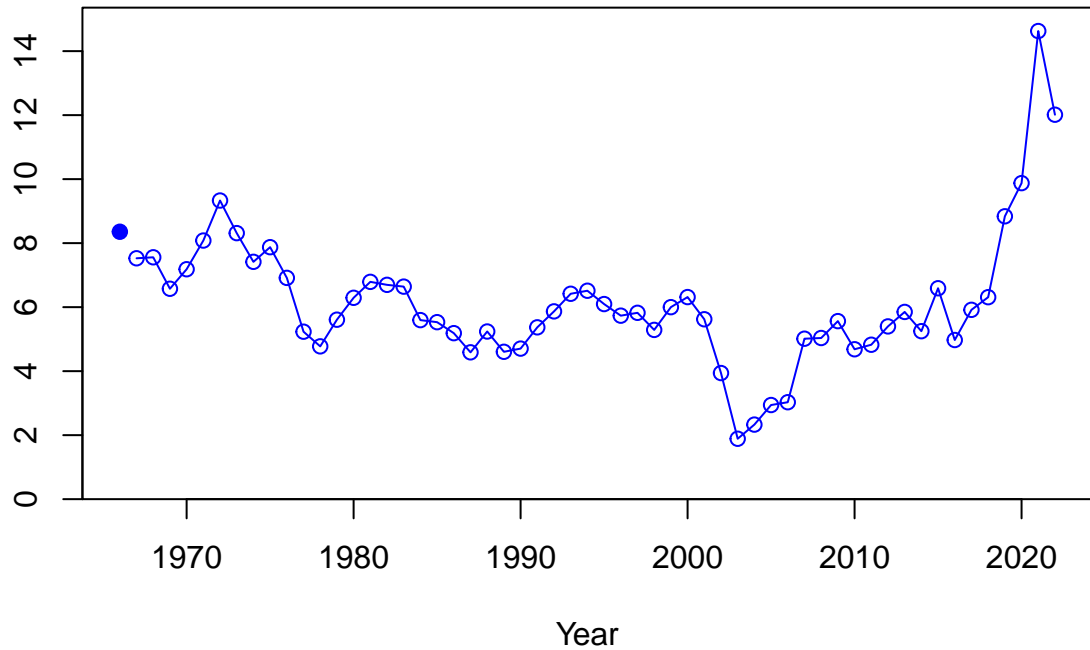
Relative spawning biomass:  $B/B_{MSY}$



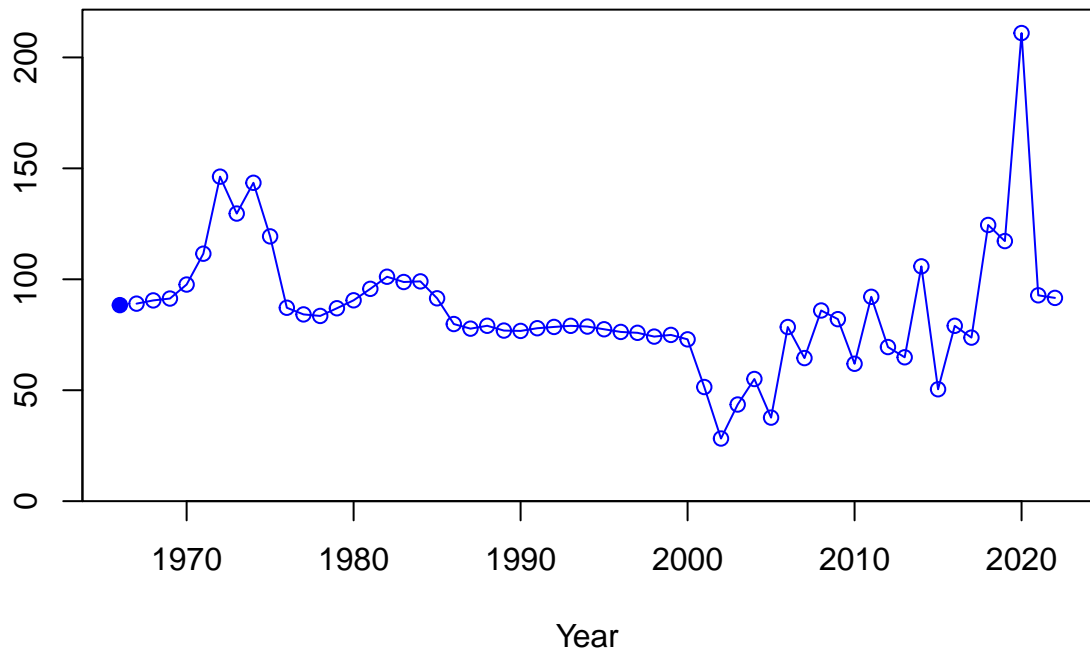


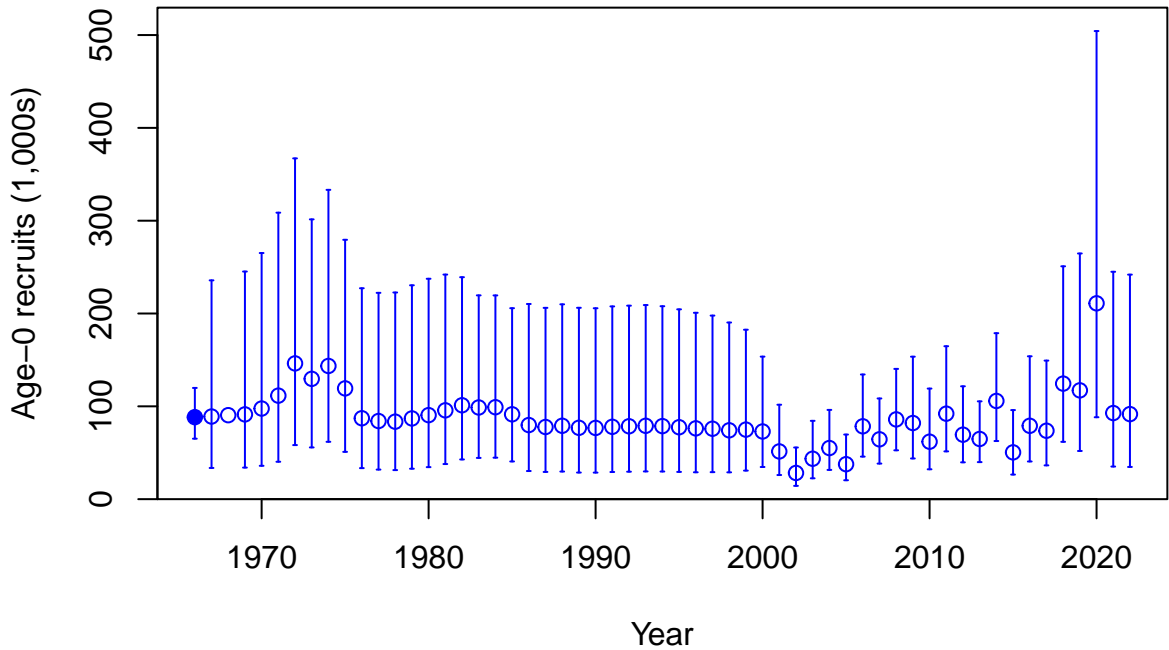


Summary biomass (mt)

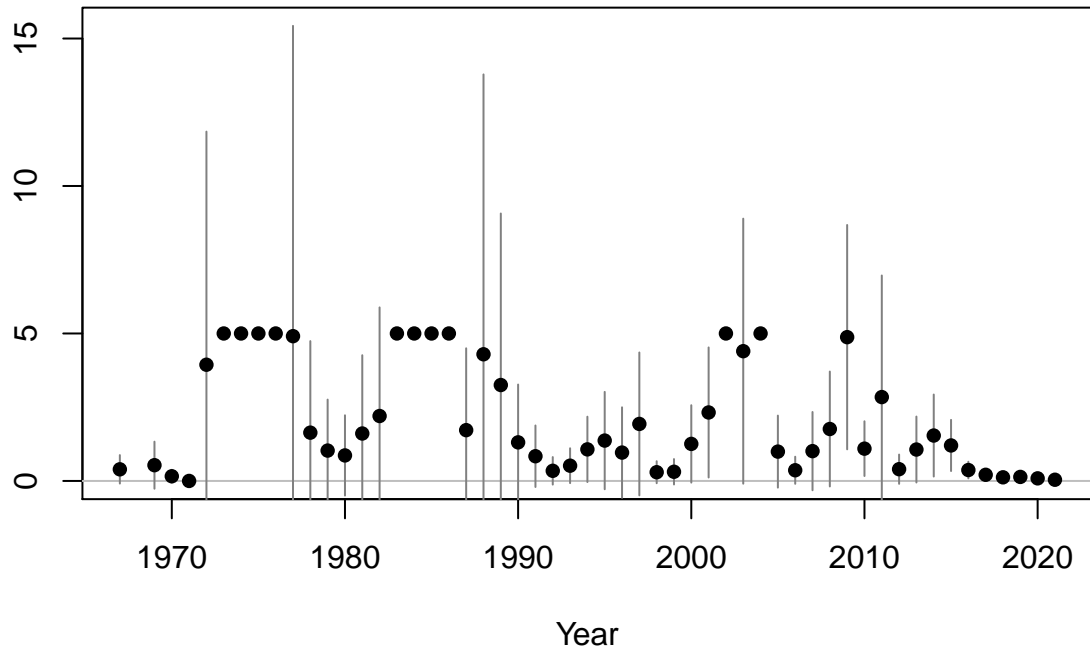


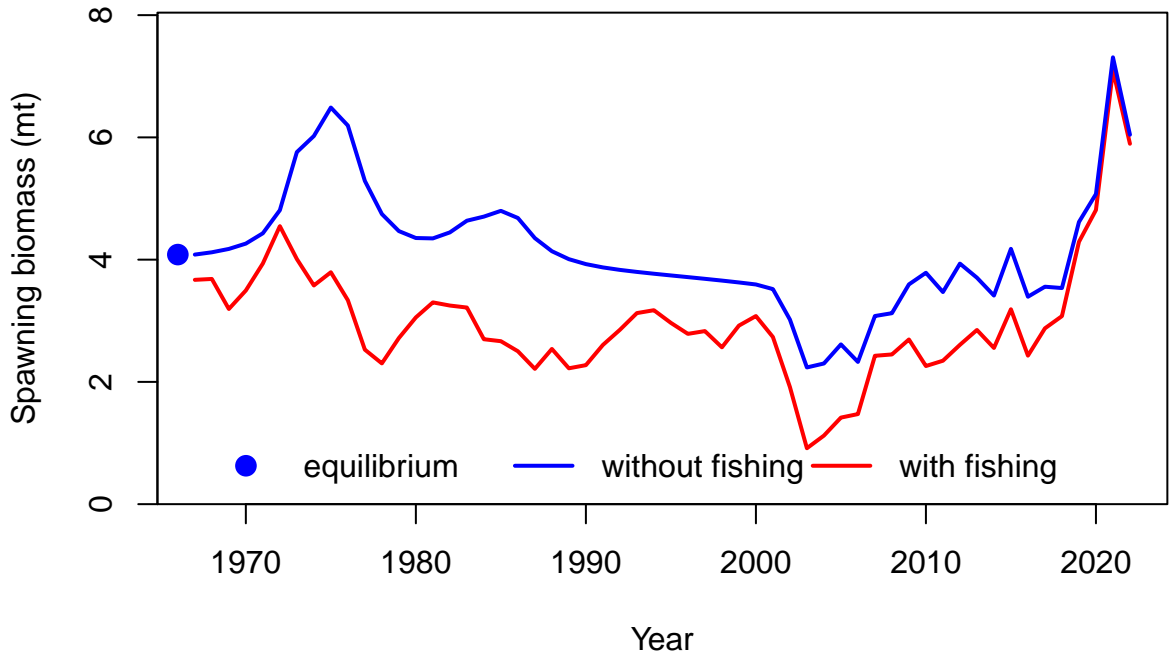
Age-0 recruits (1,000s)



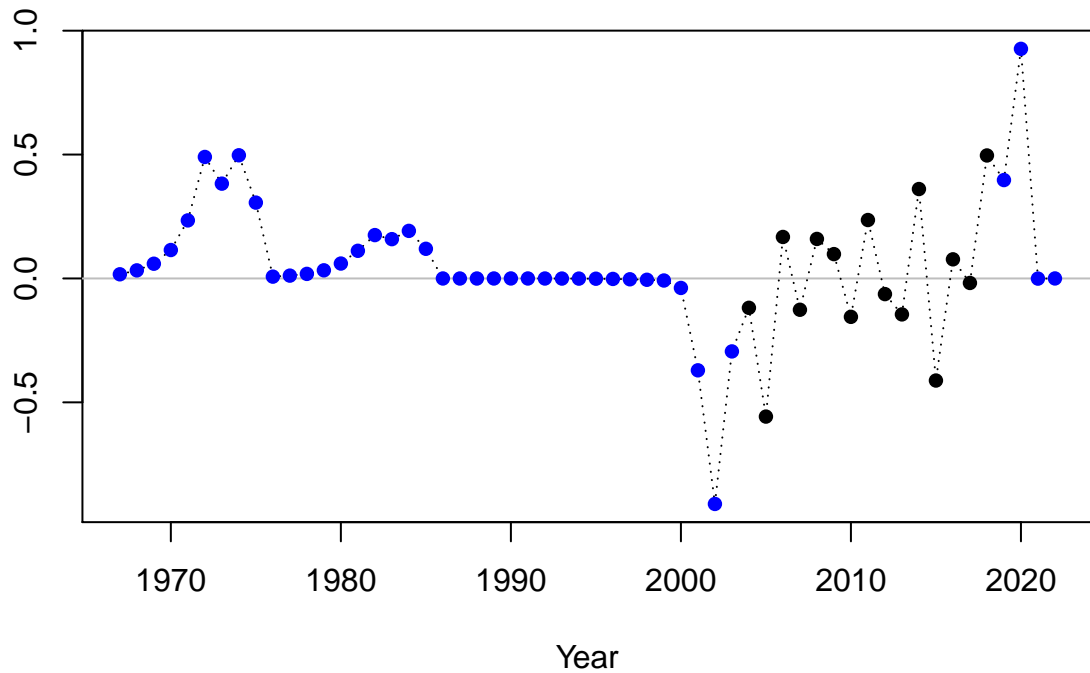


Summary Fishing Mortality

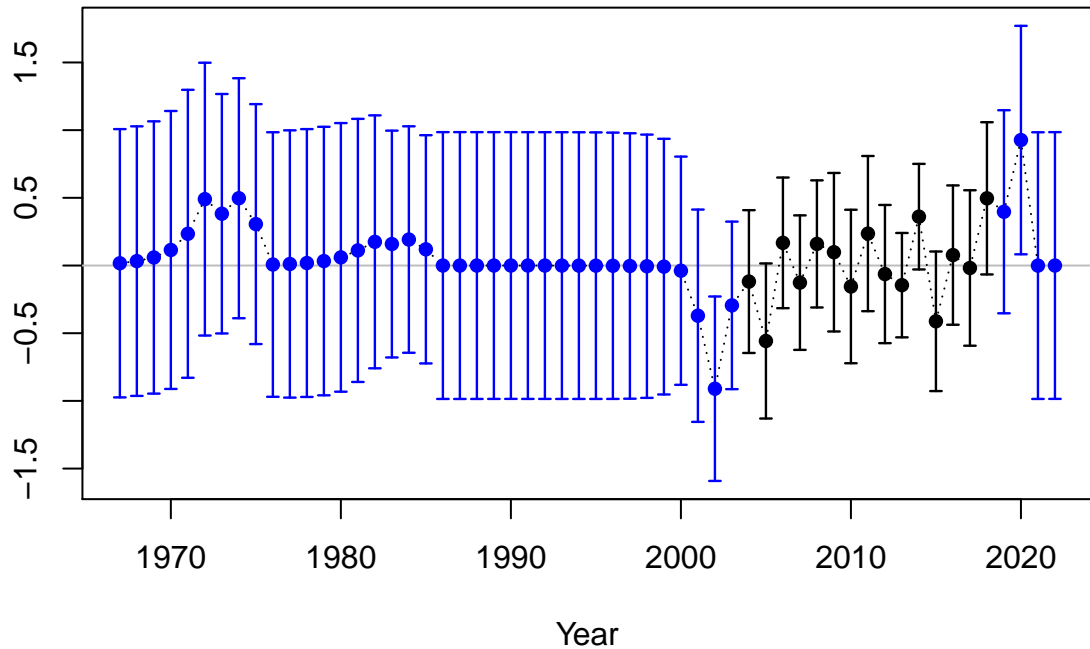




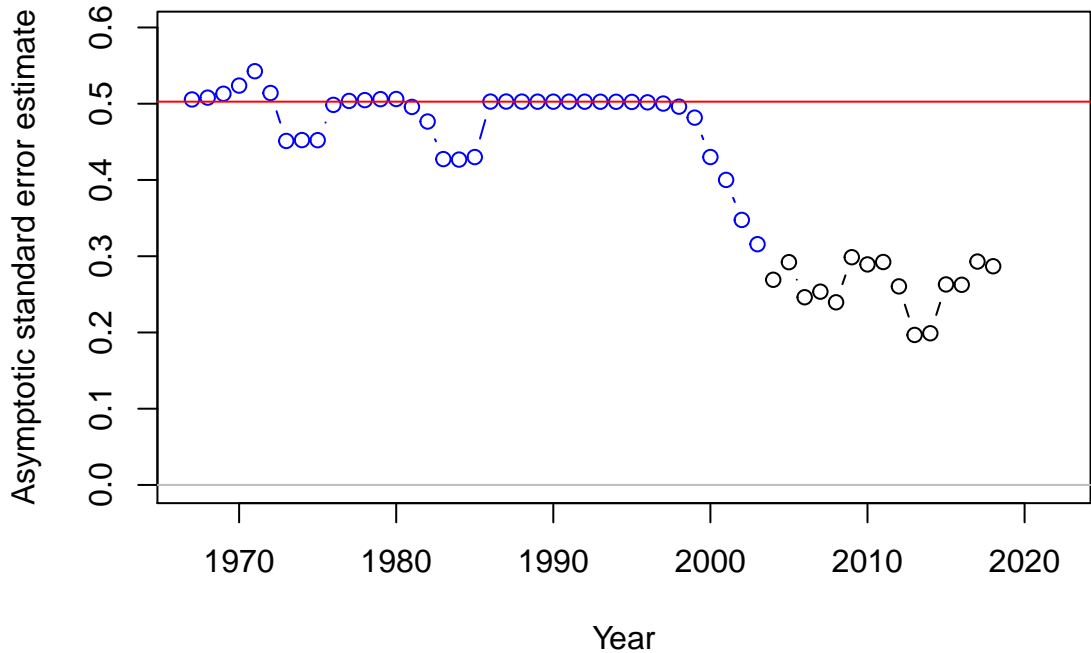
Log recruitment deviation



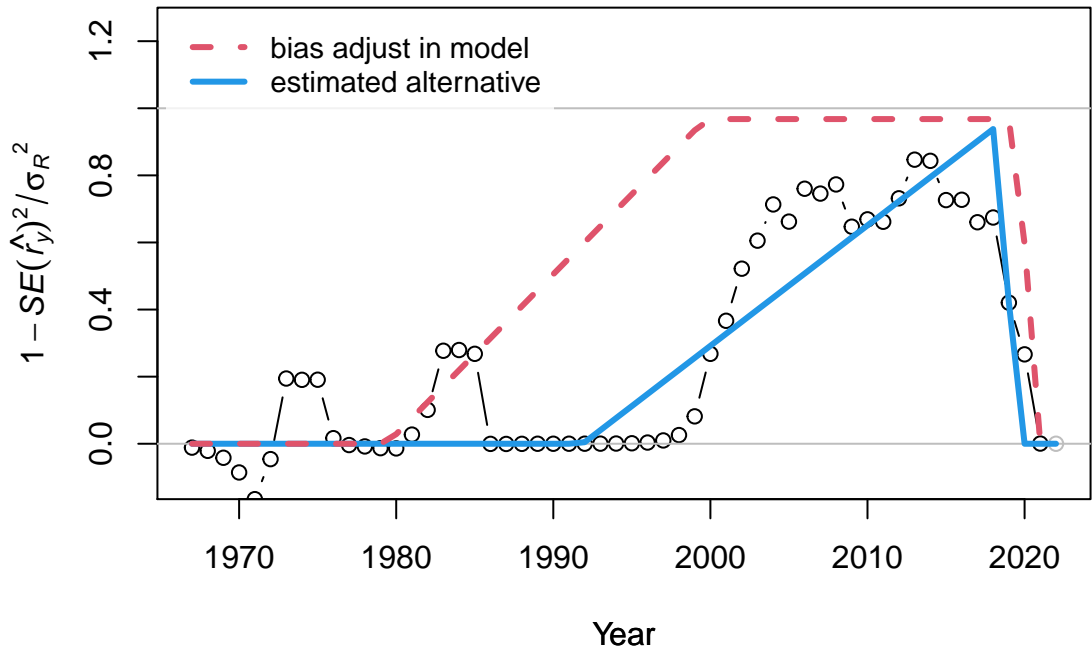
Log recruitment deviation

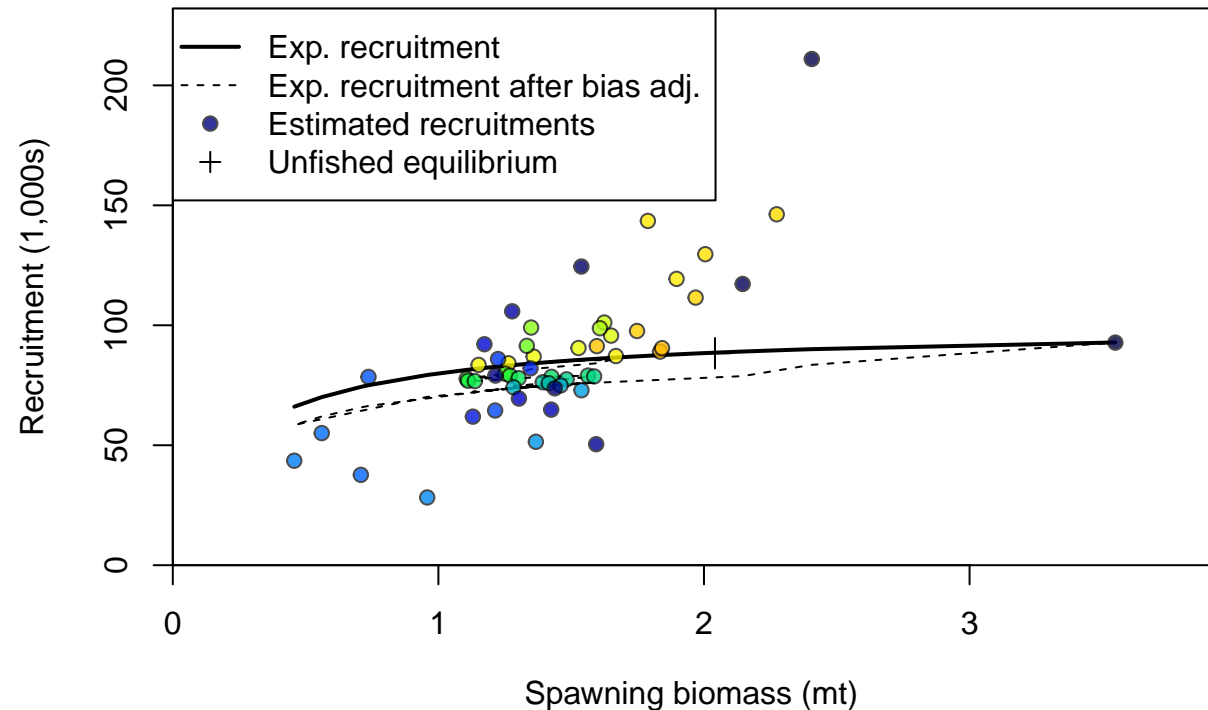


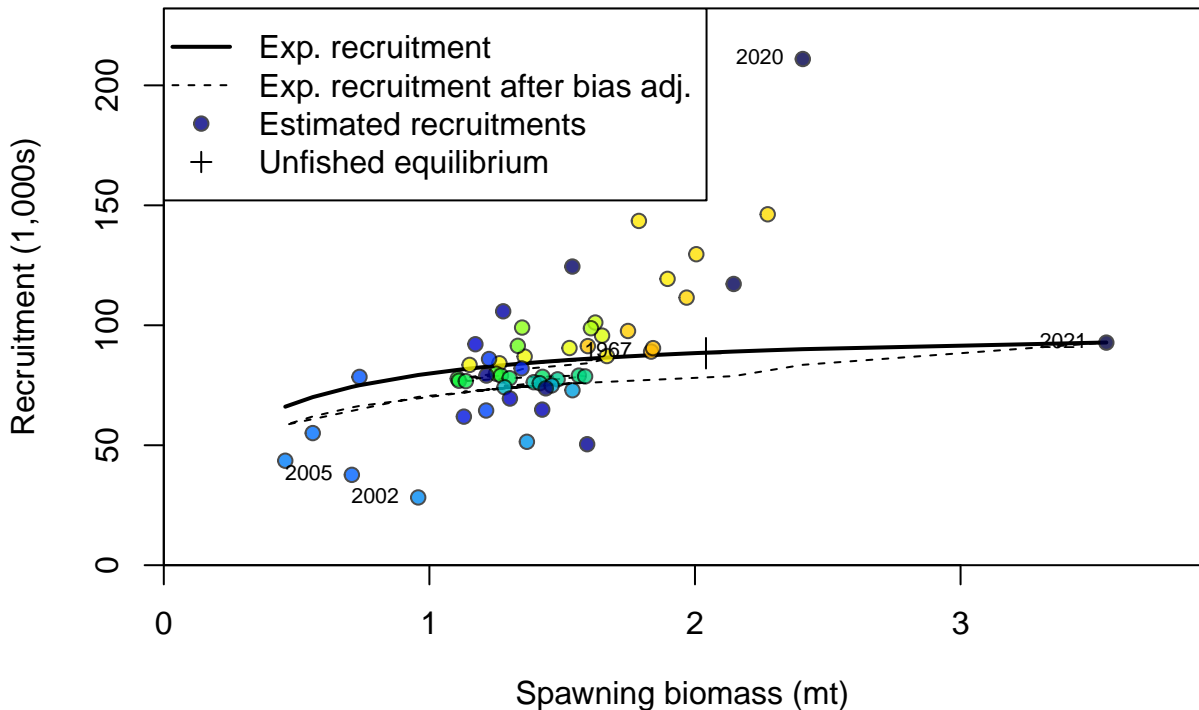
## Recruitment deviation variance



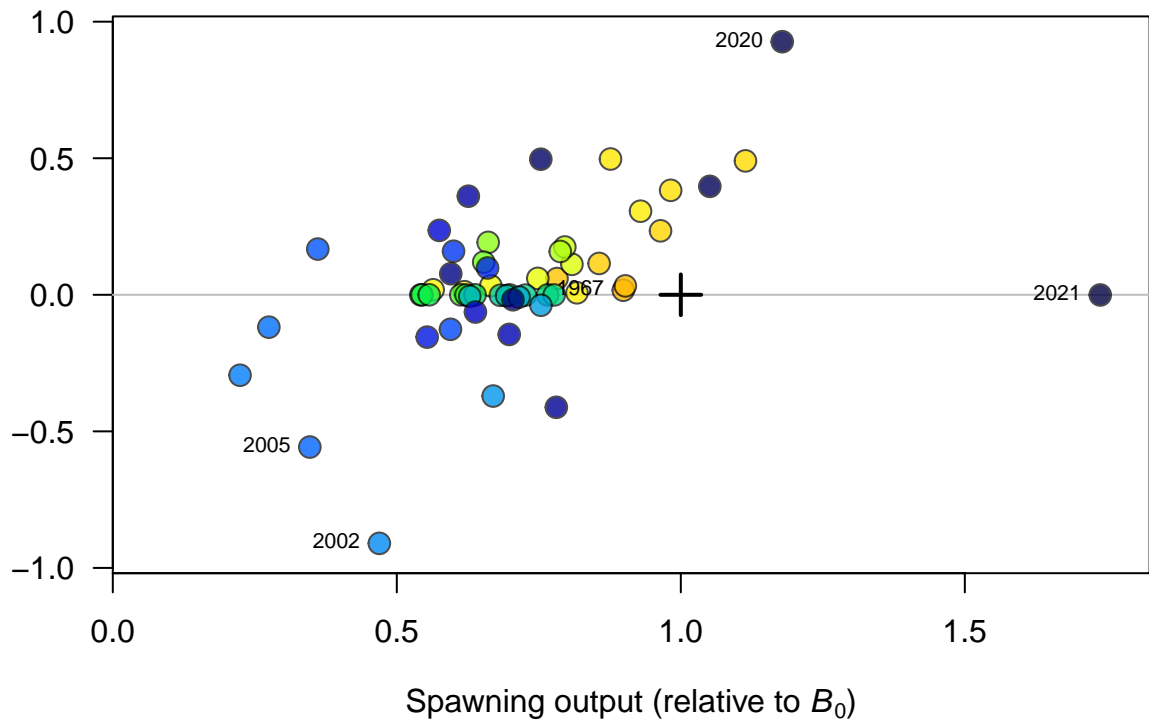


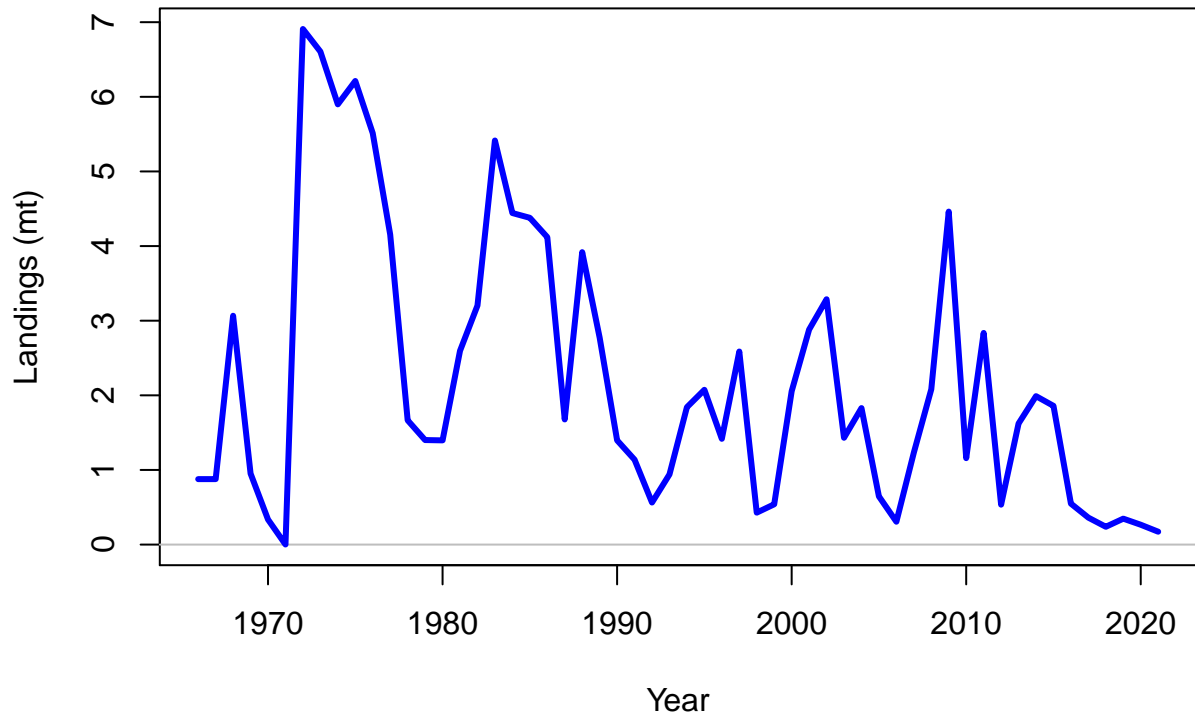


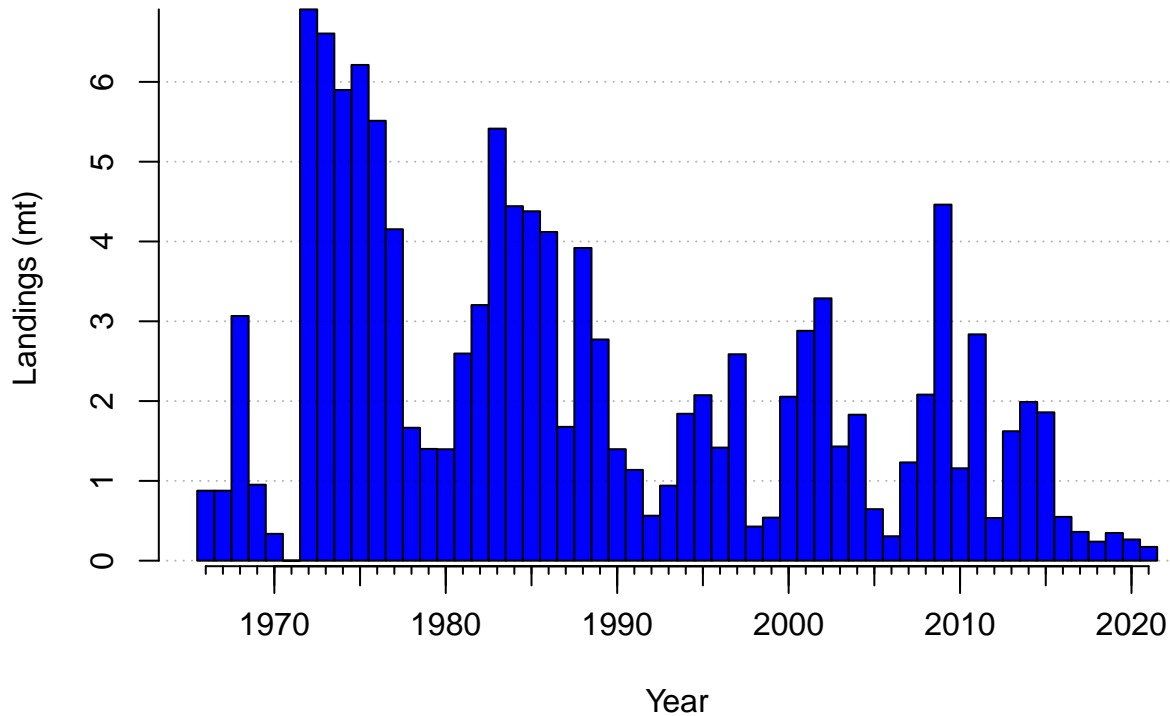




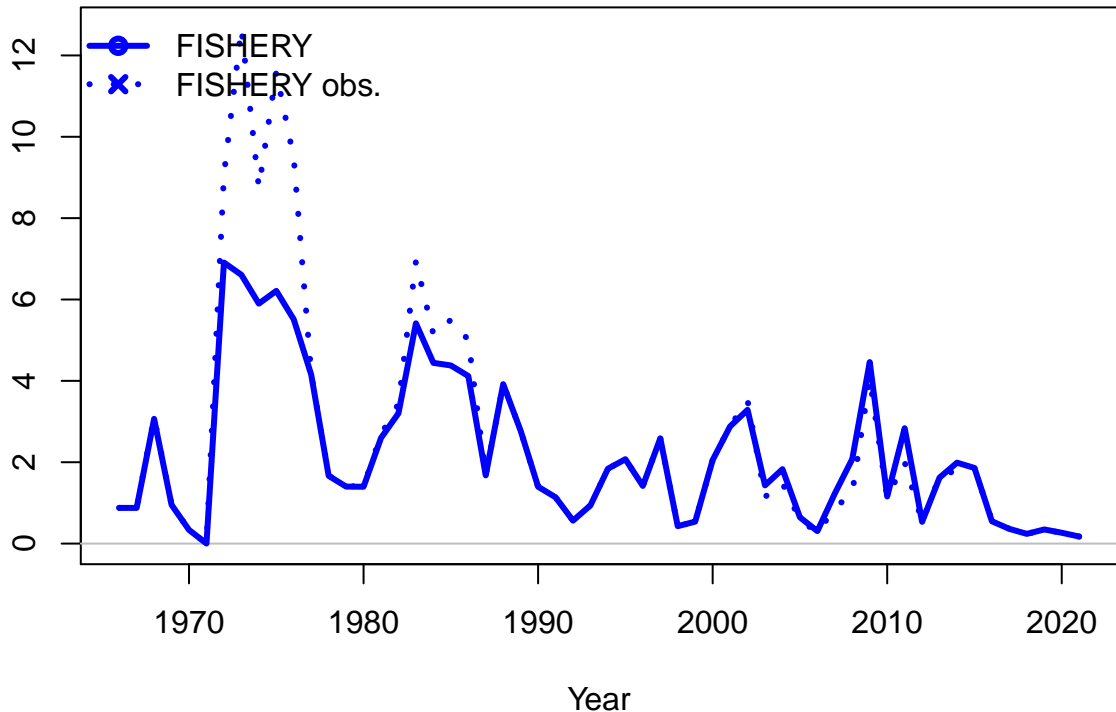
Log recruitment deviation

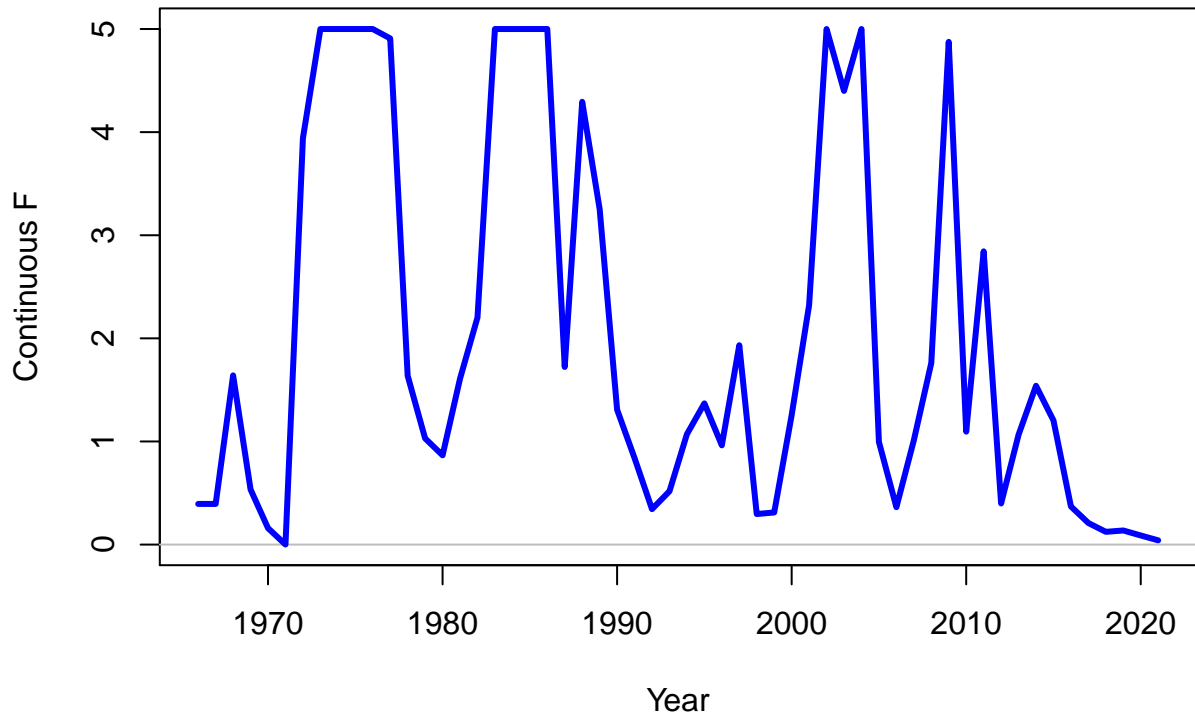






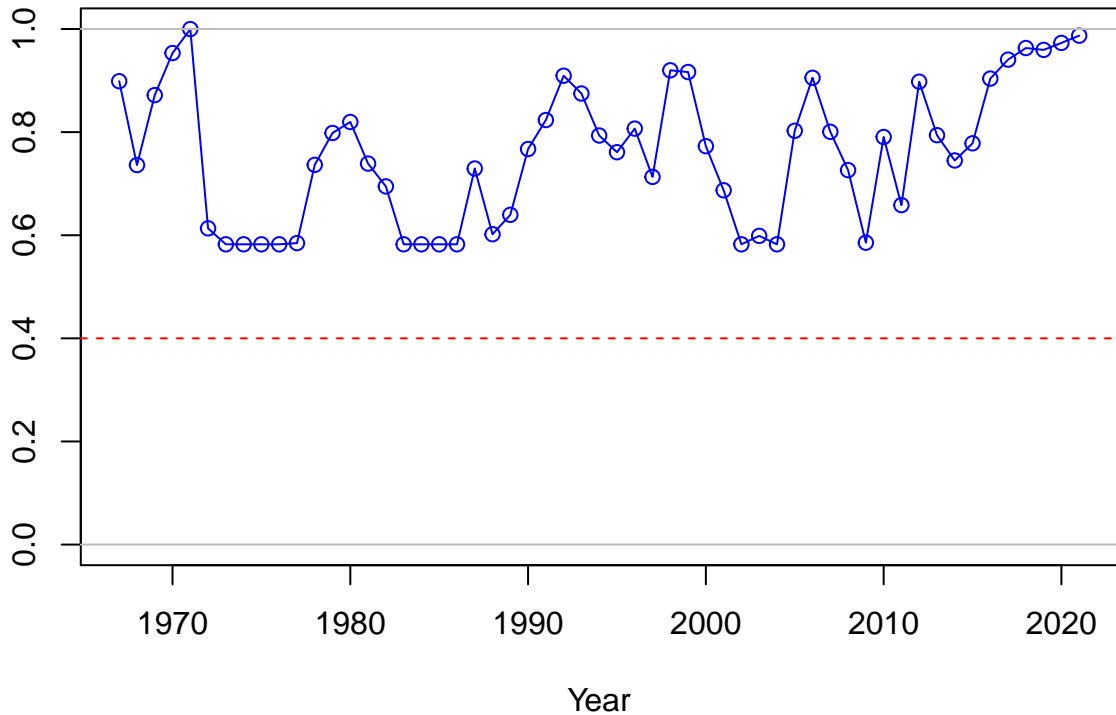
Observed and expected Landings (mt)



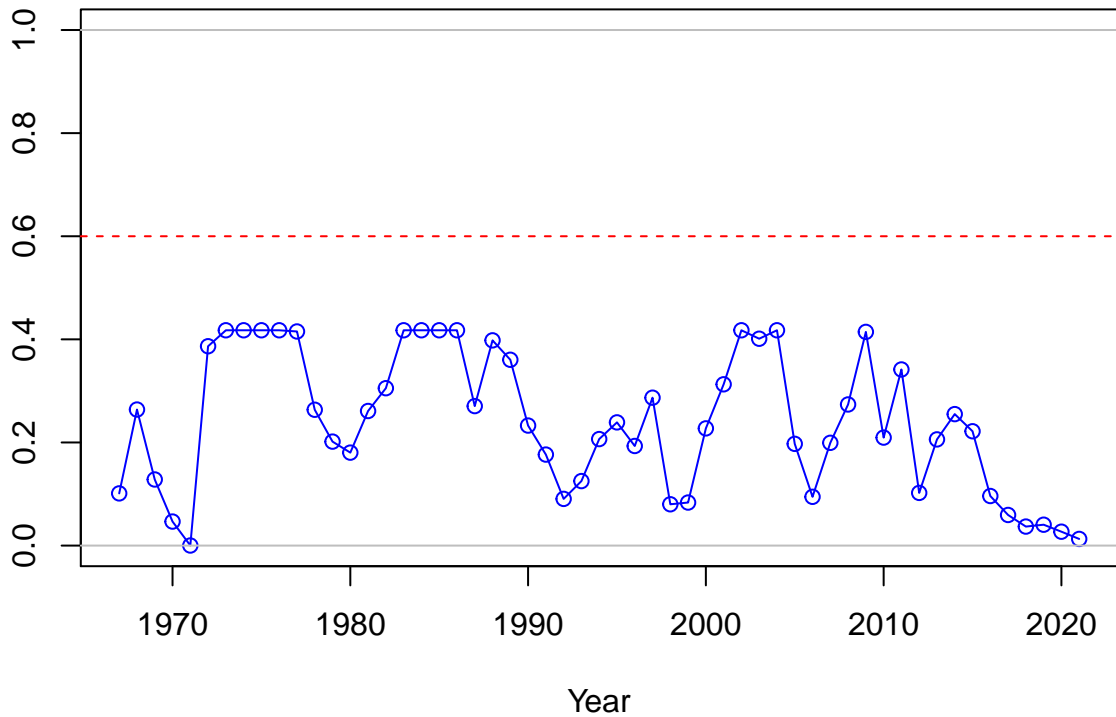




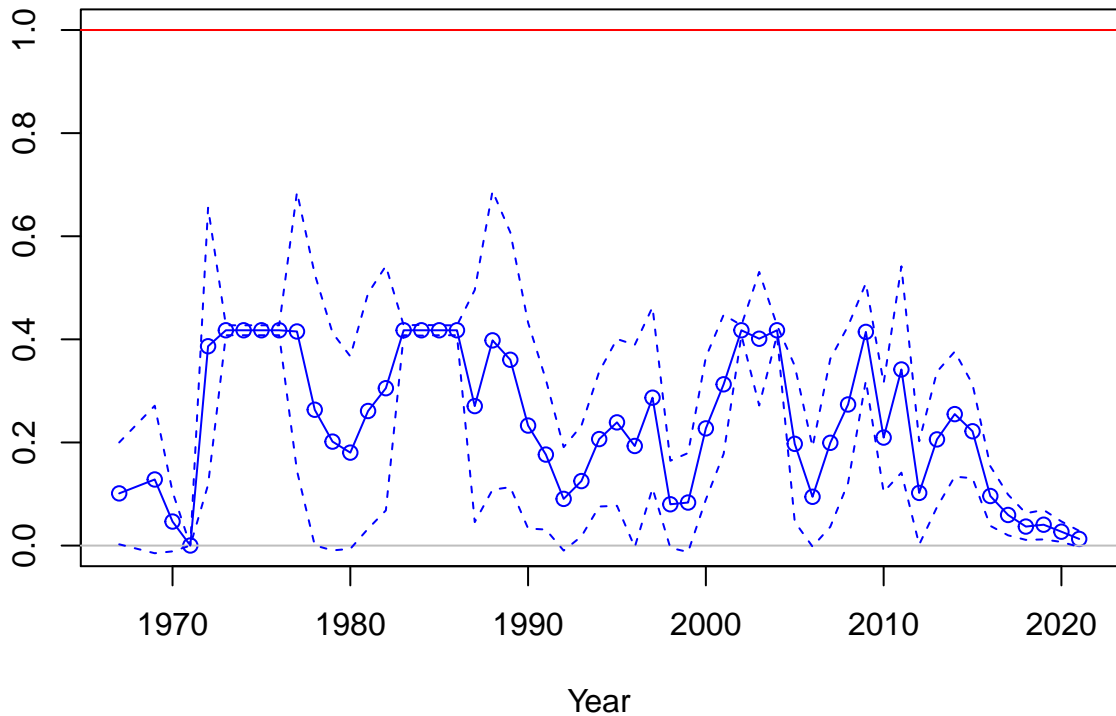
SPR



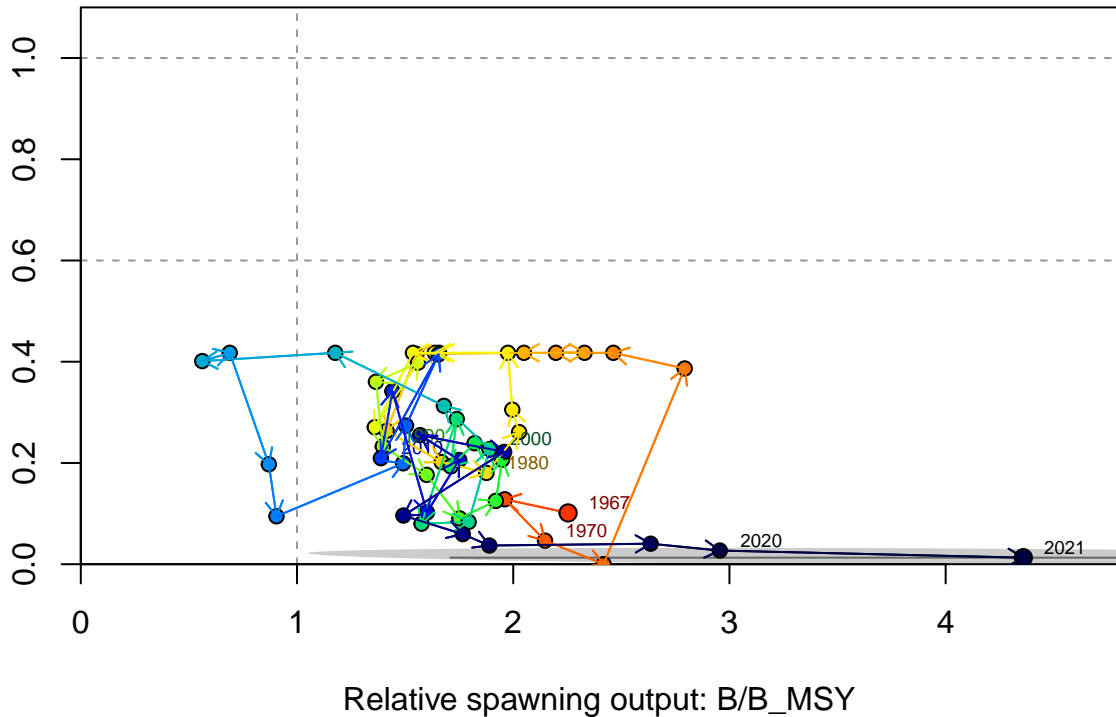
1-SPR



Fishing intensity: 1-SPR



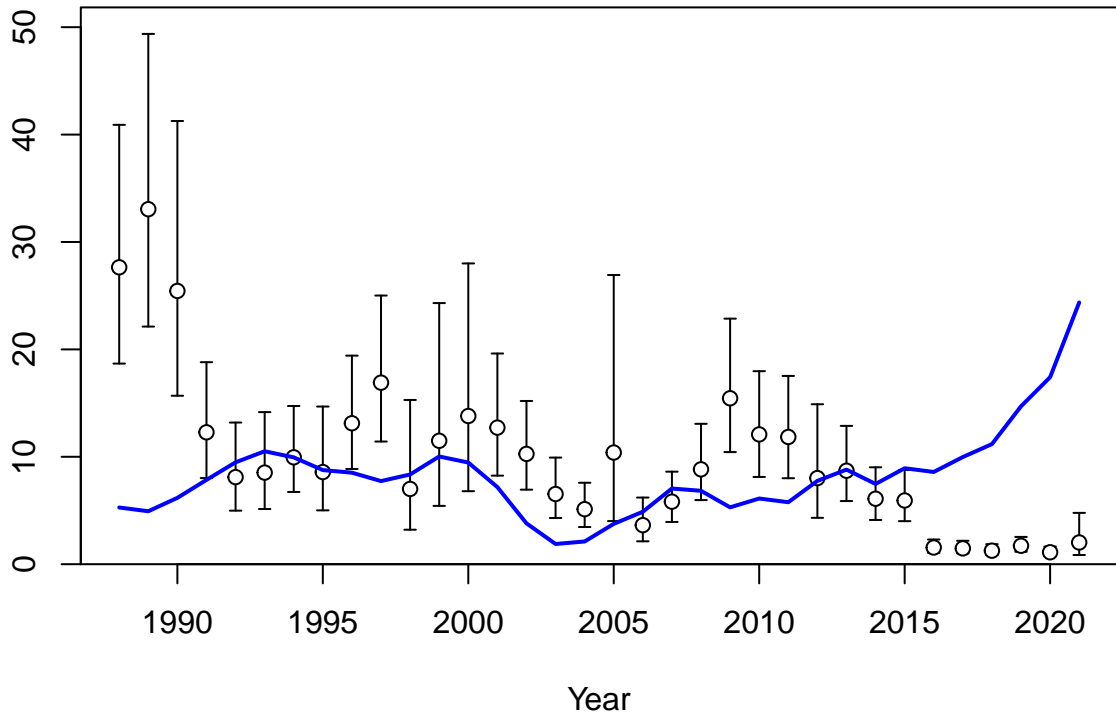
Fishing intensity: 1-SPR

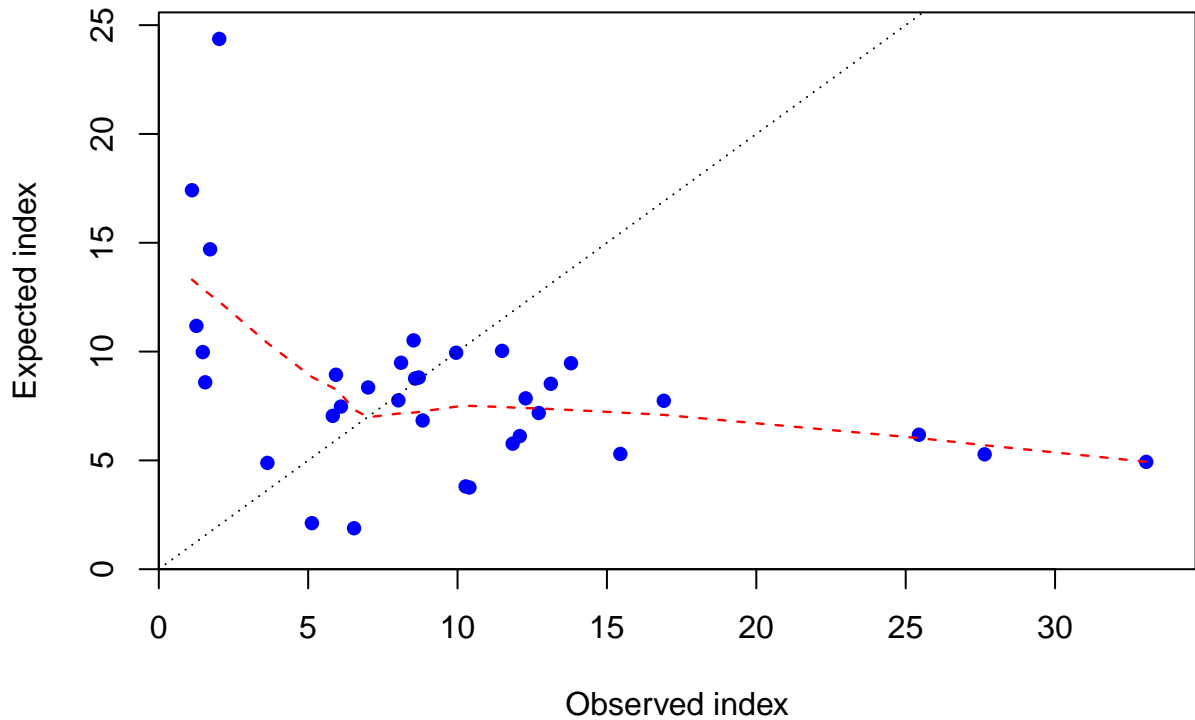


Index

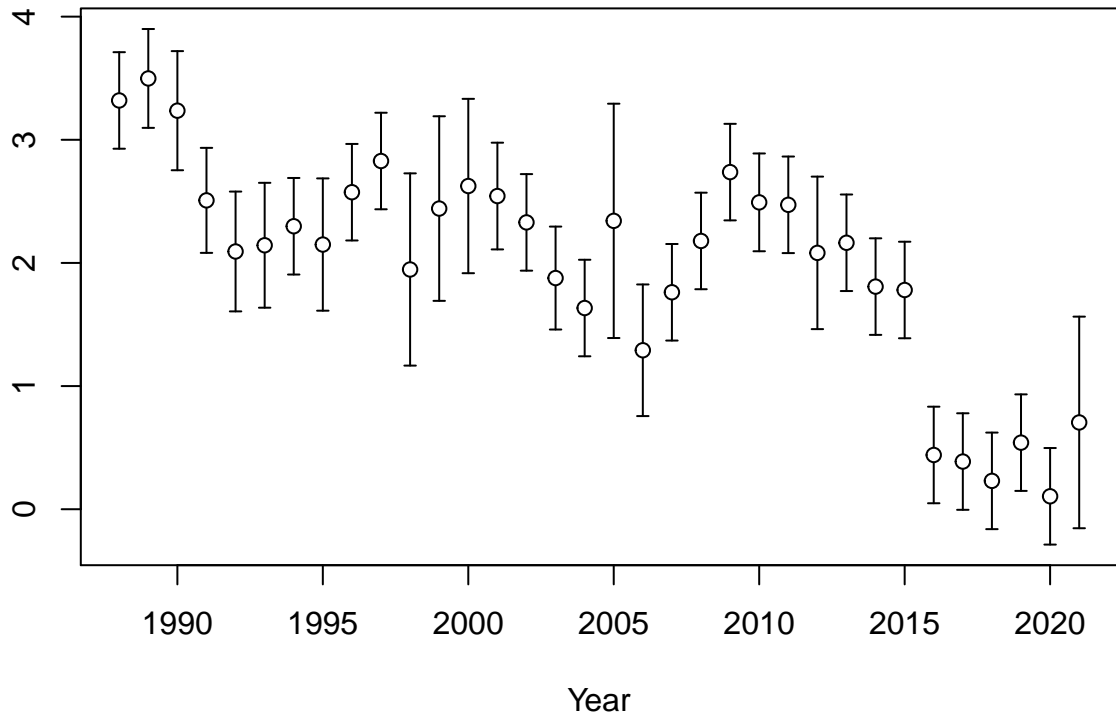


Index



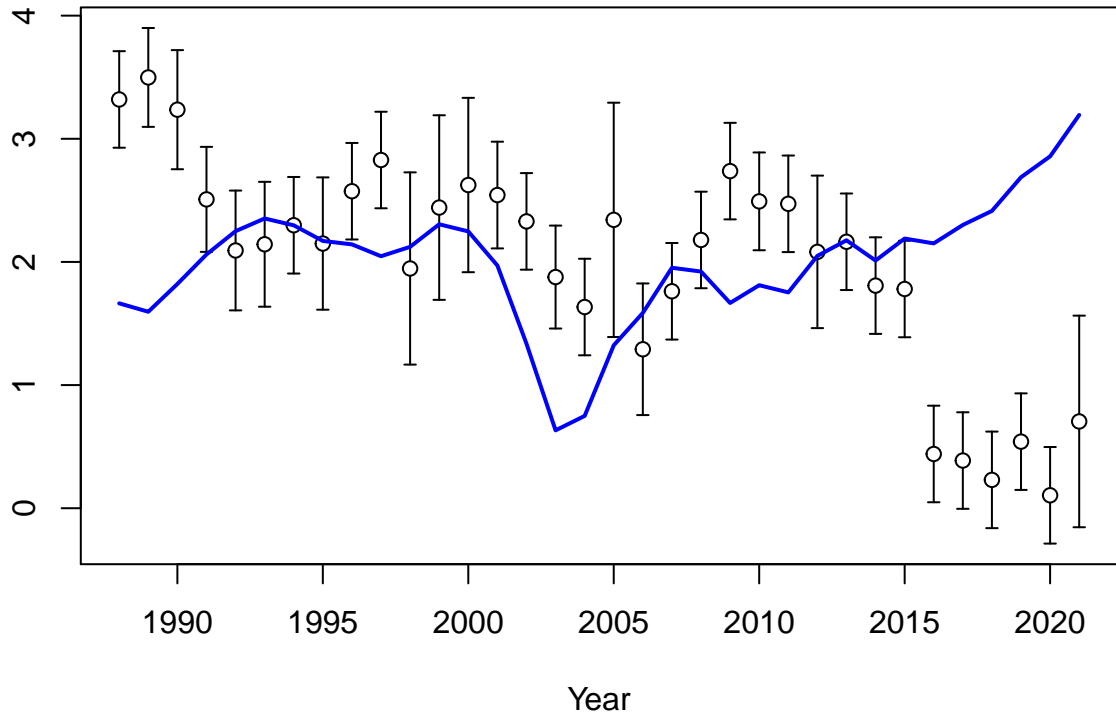


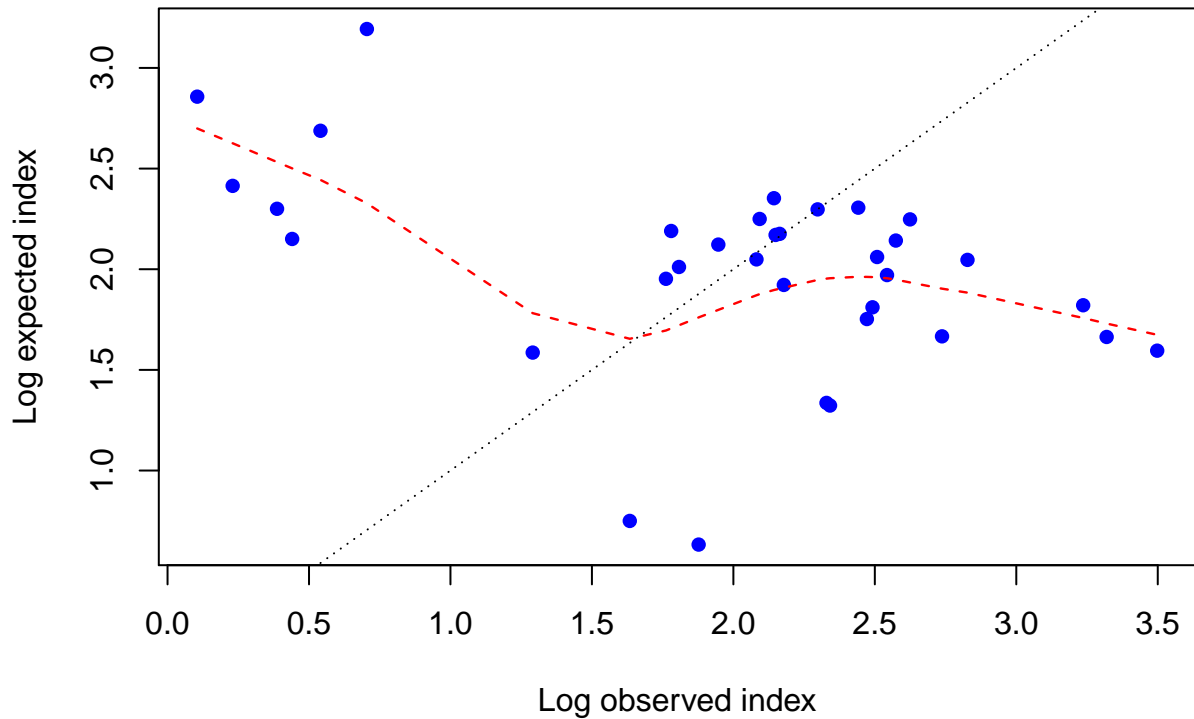
Log index

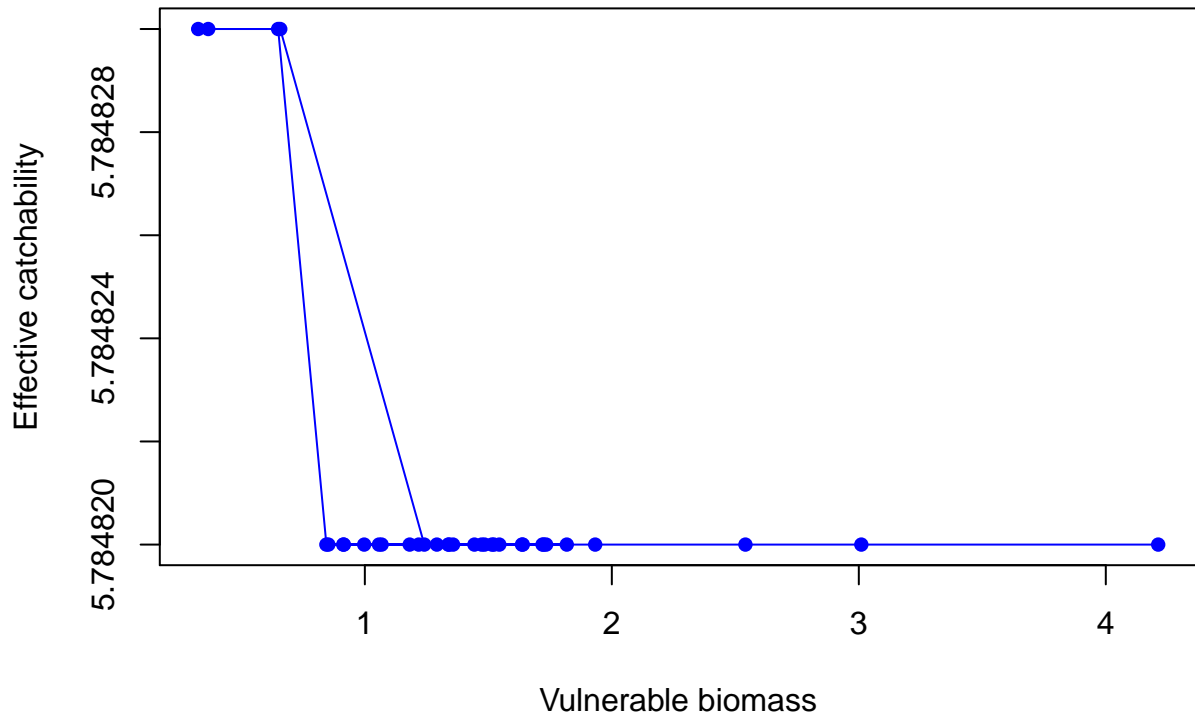


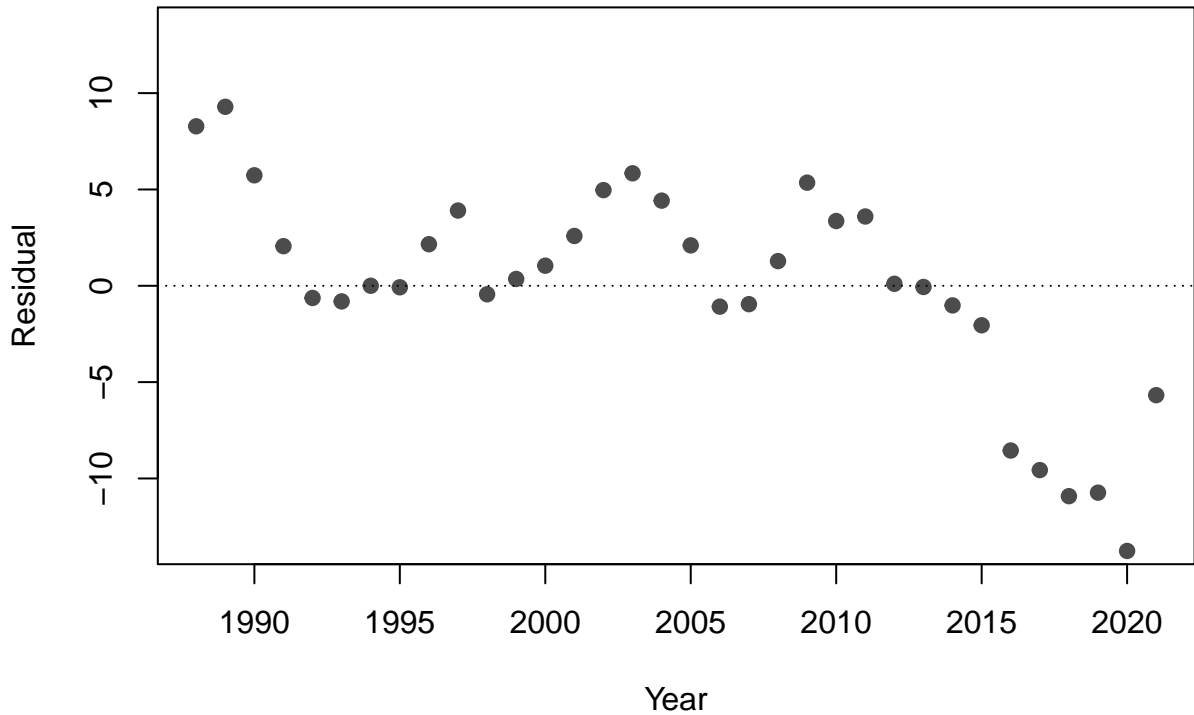


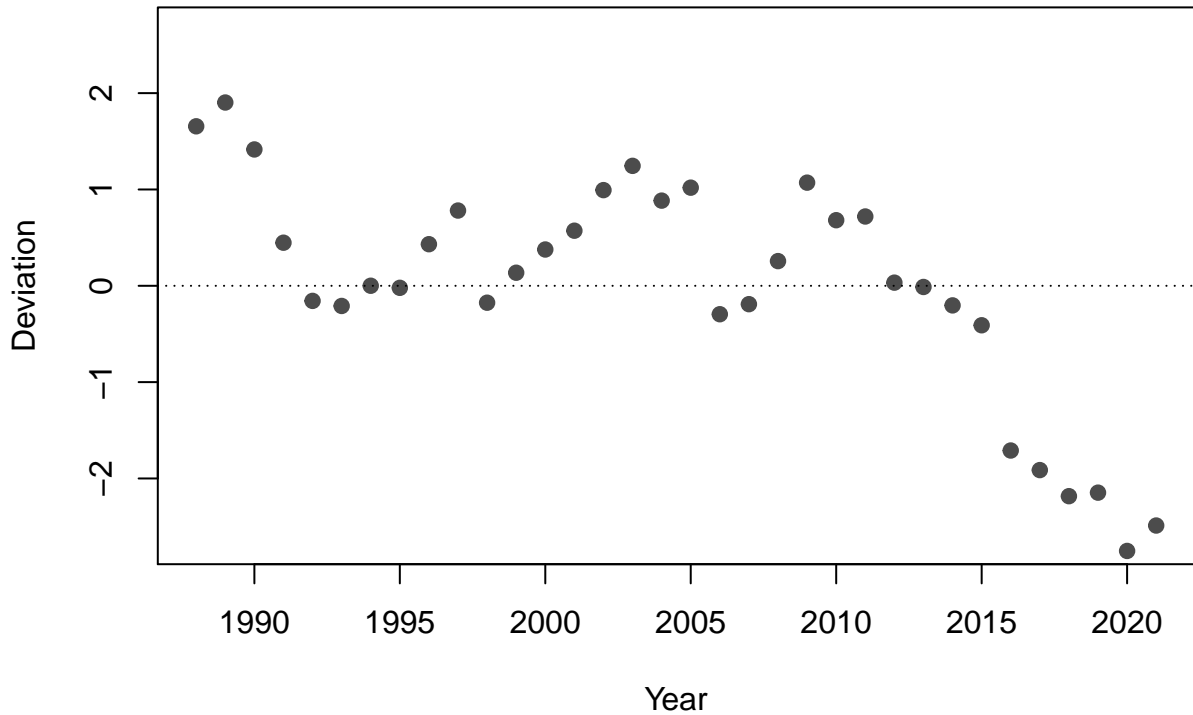
Log index

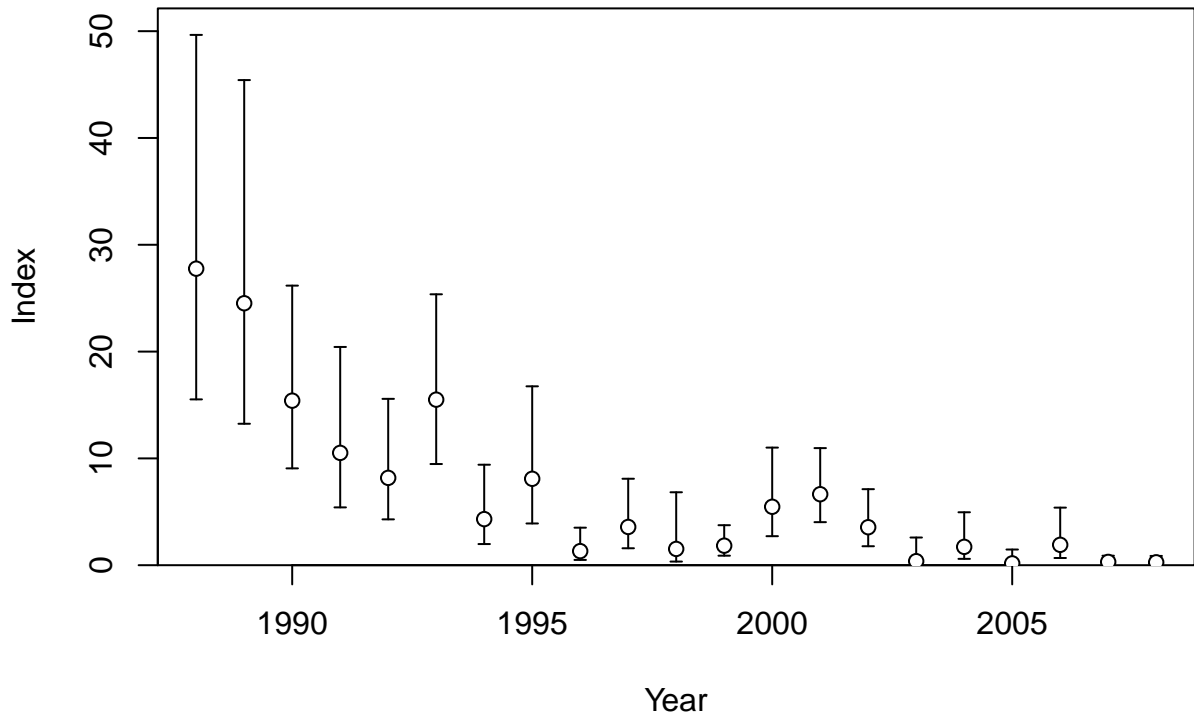


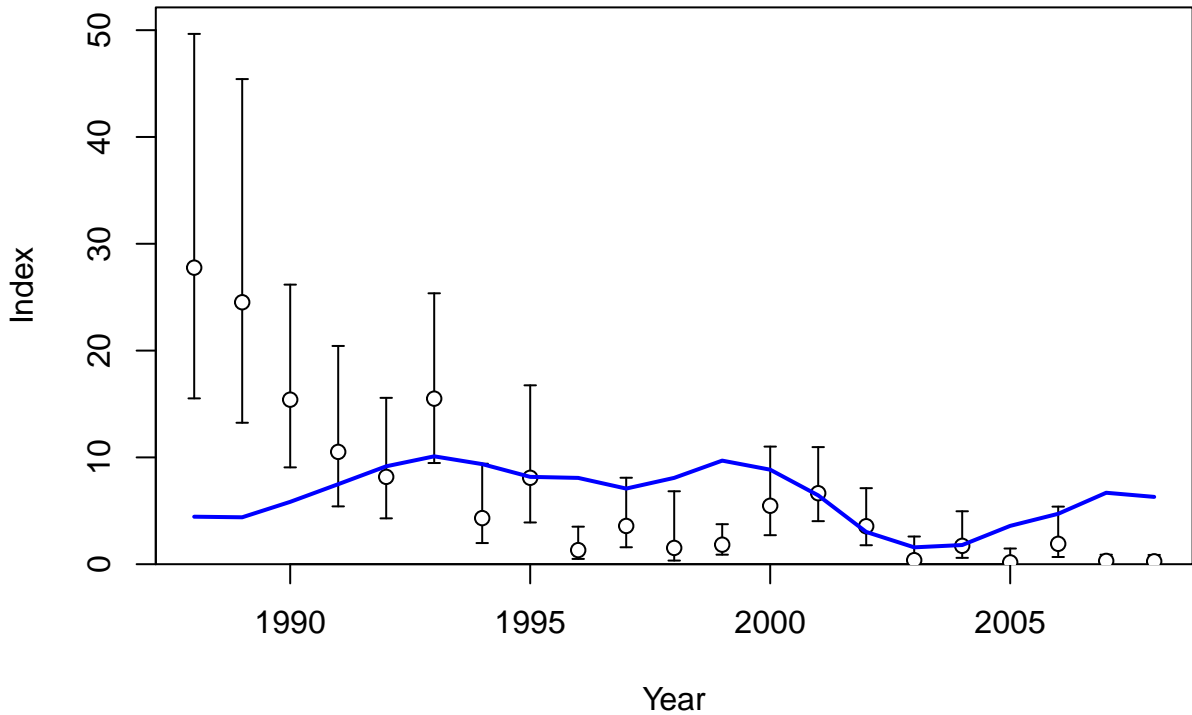


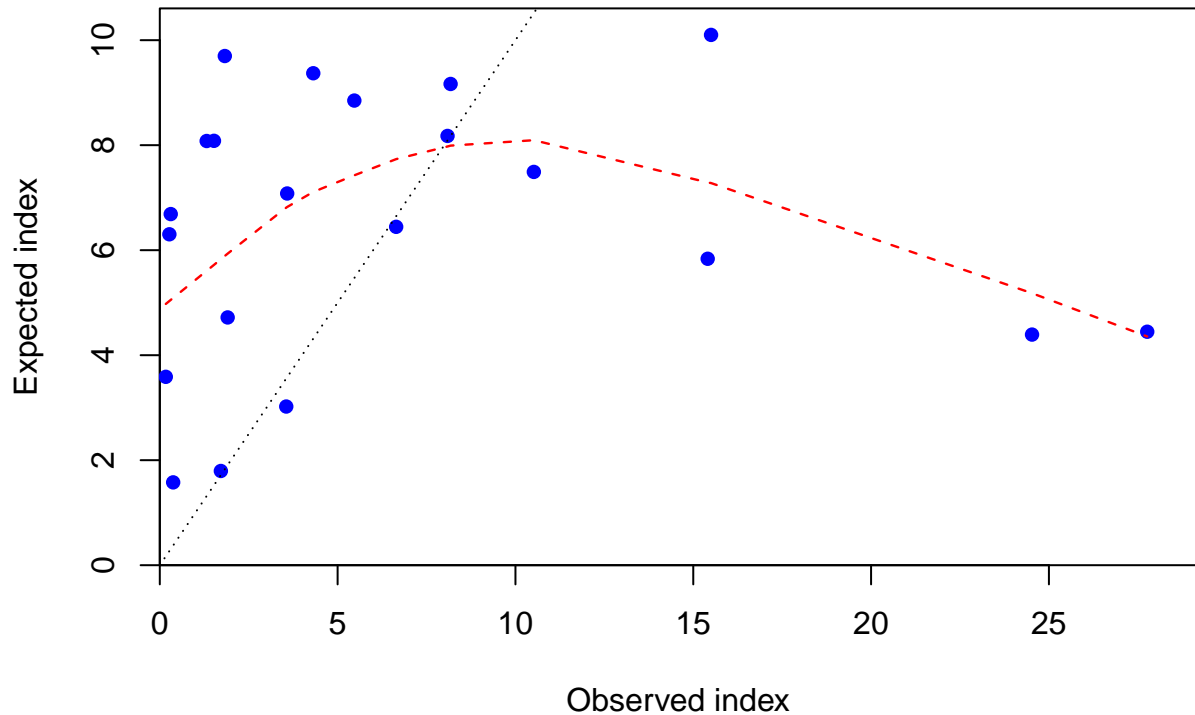






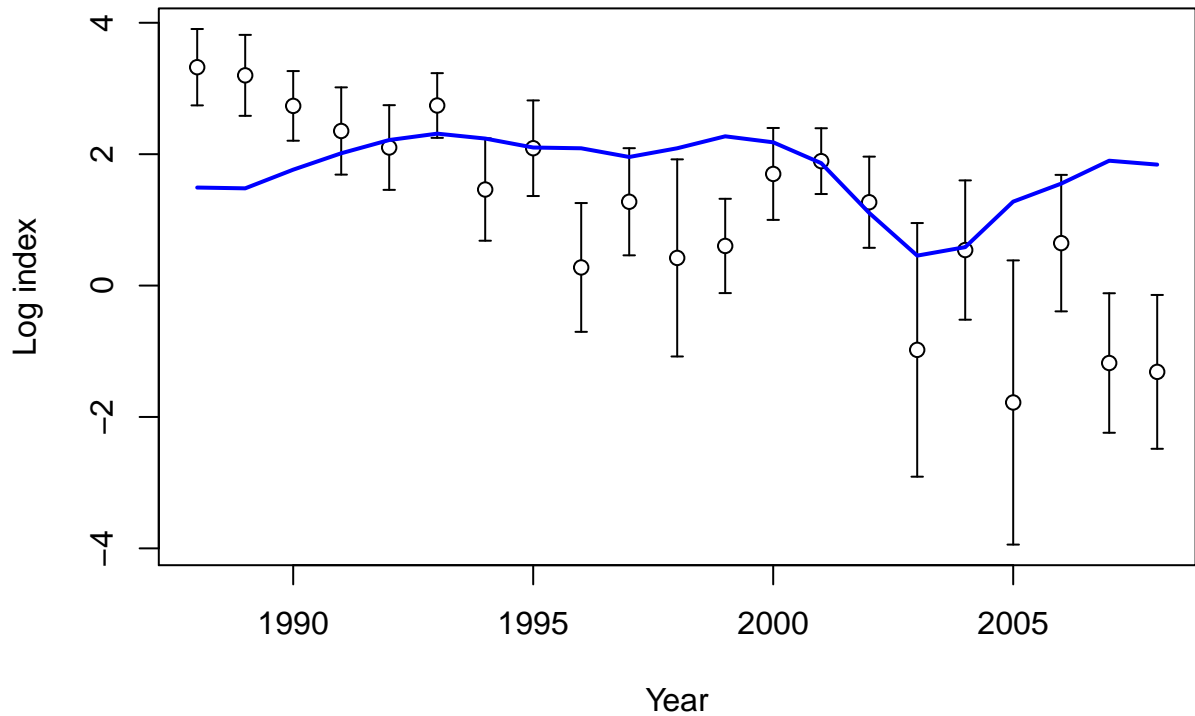


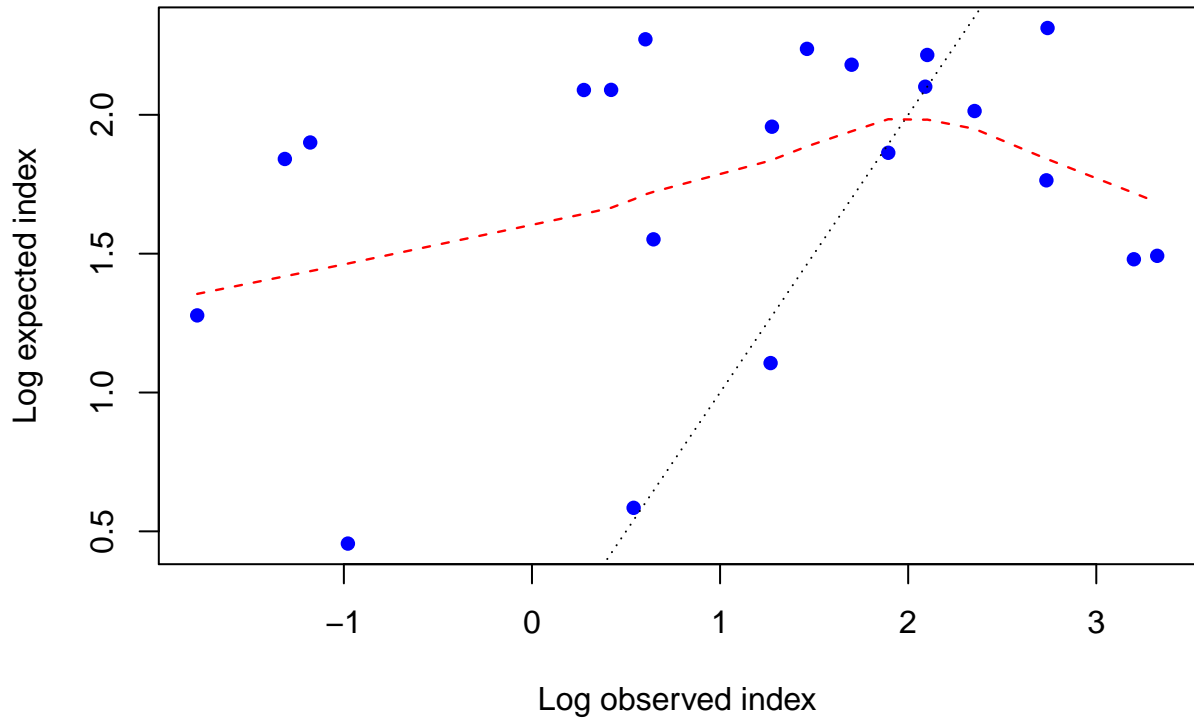




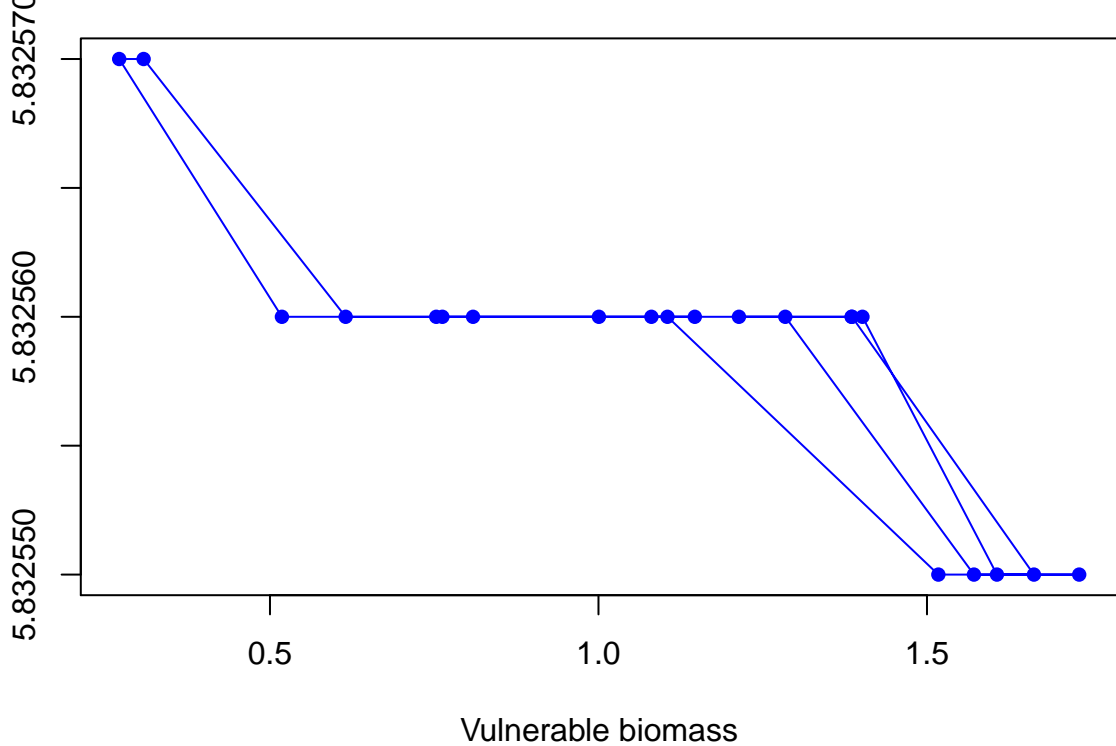


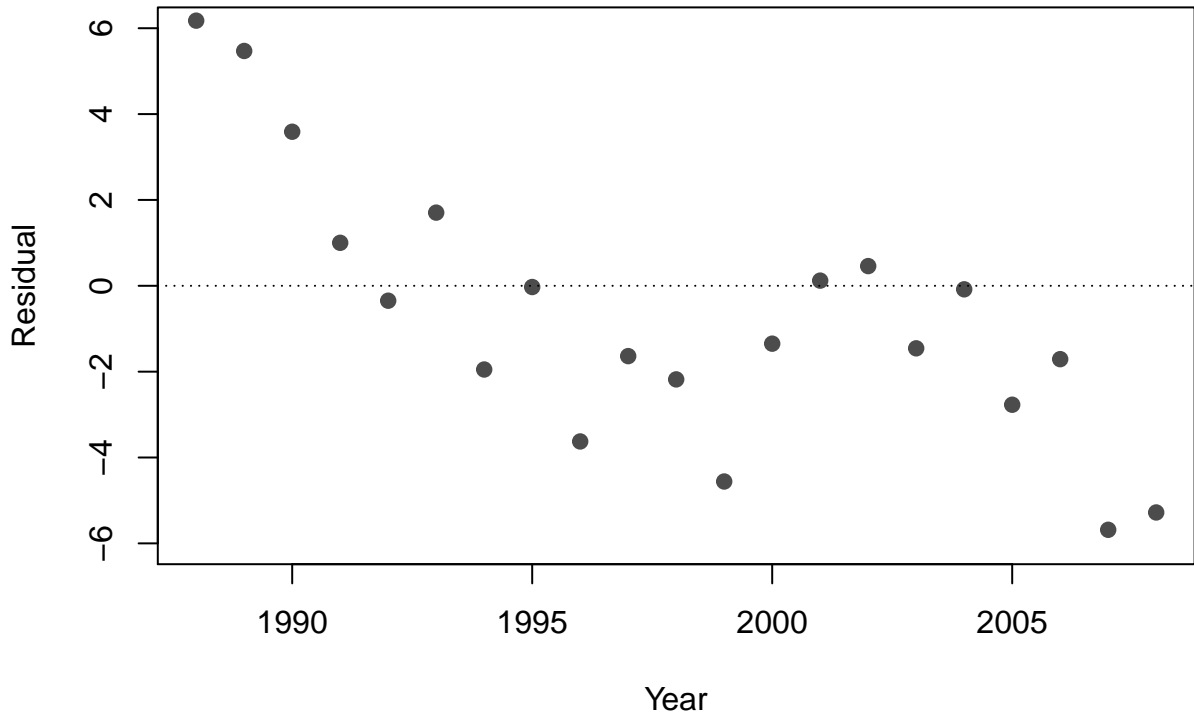


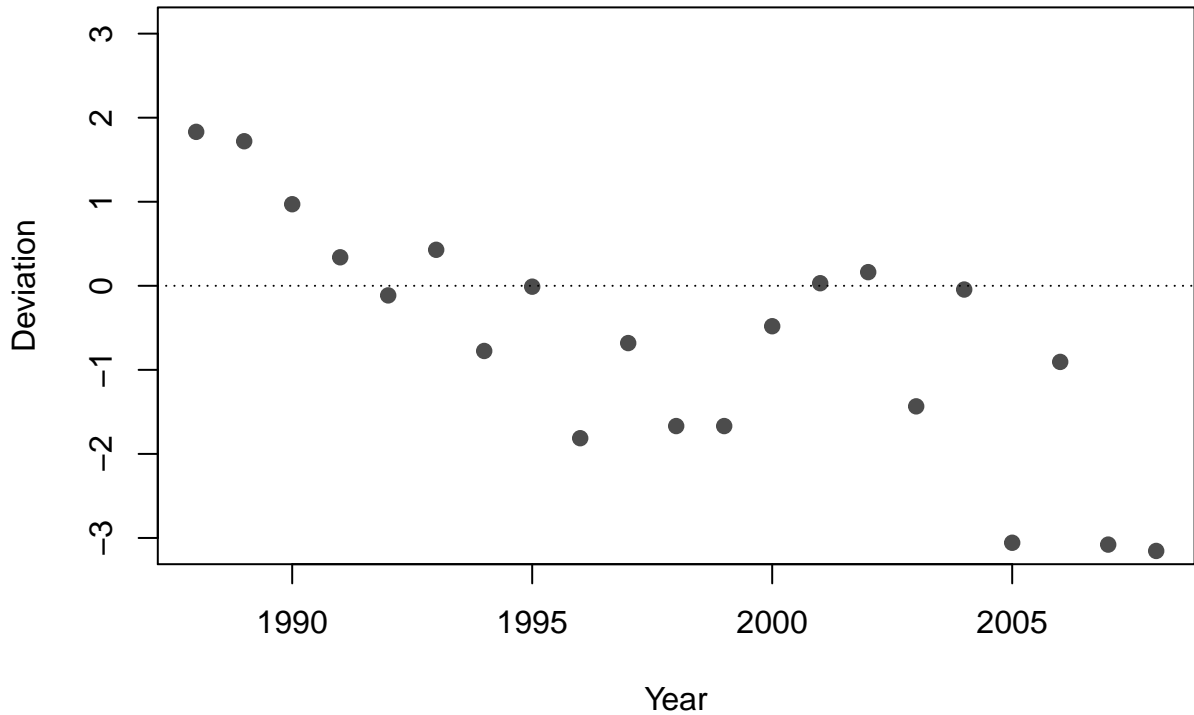


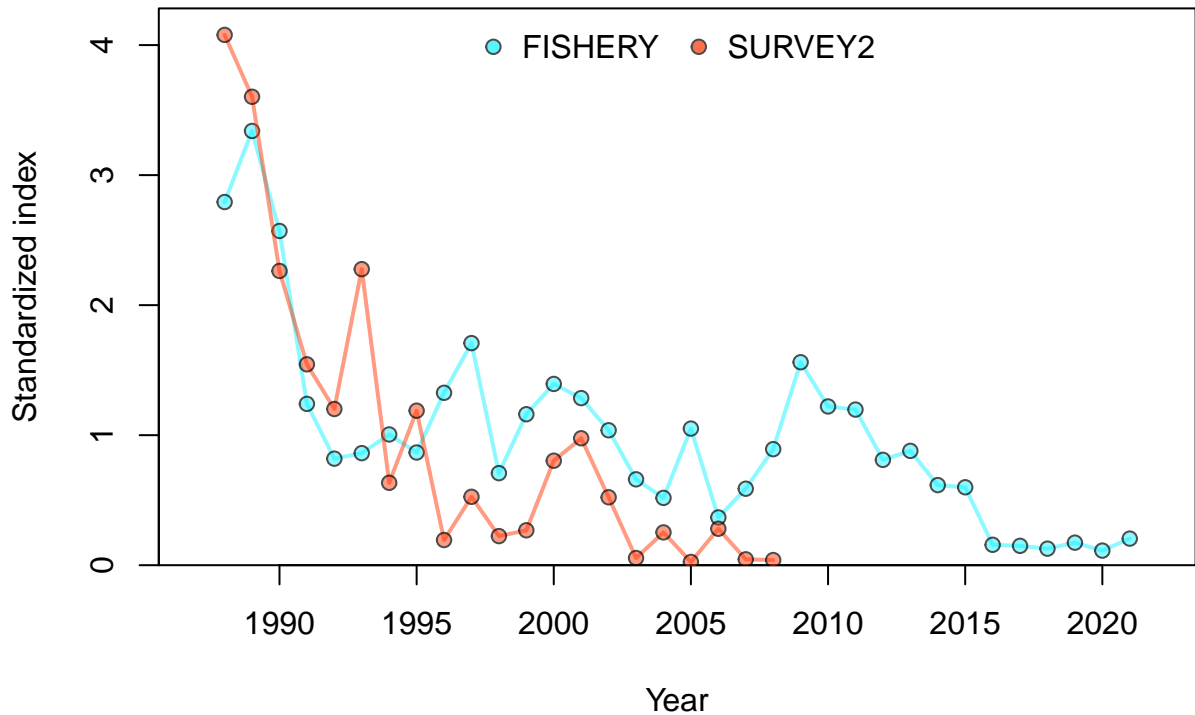


Effective catchability

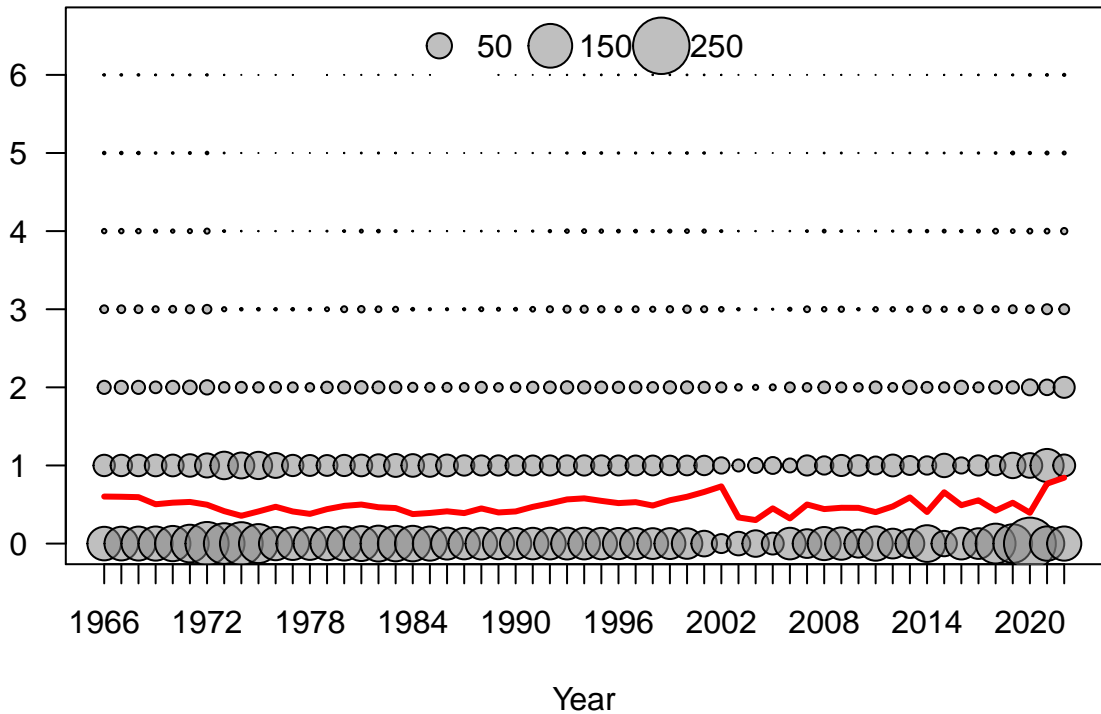






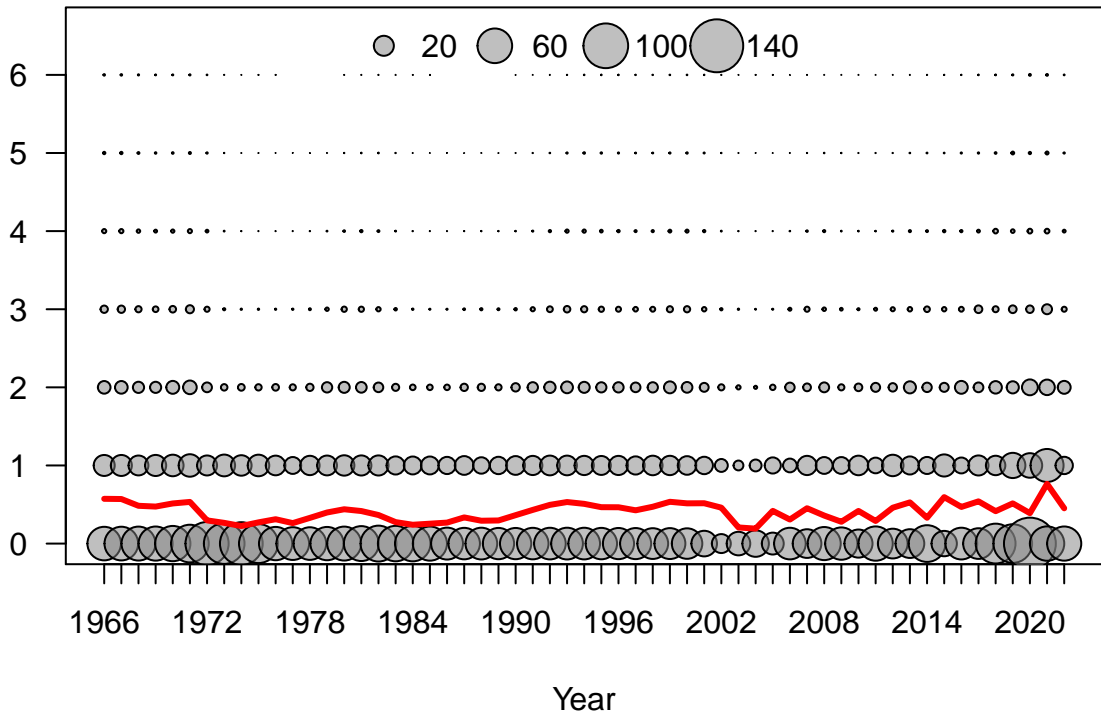


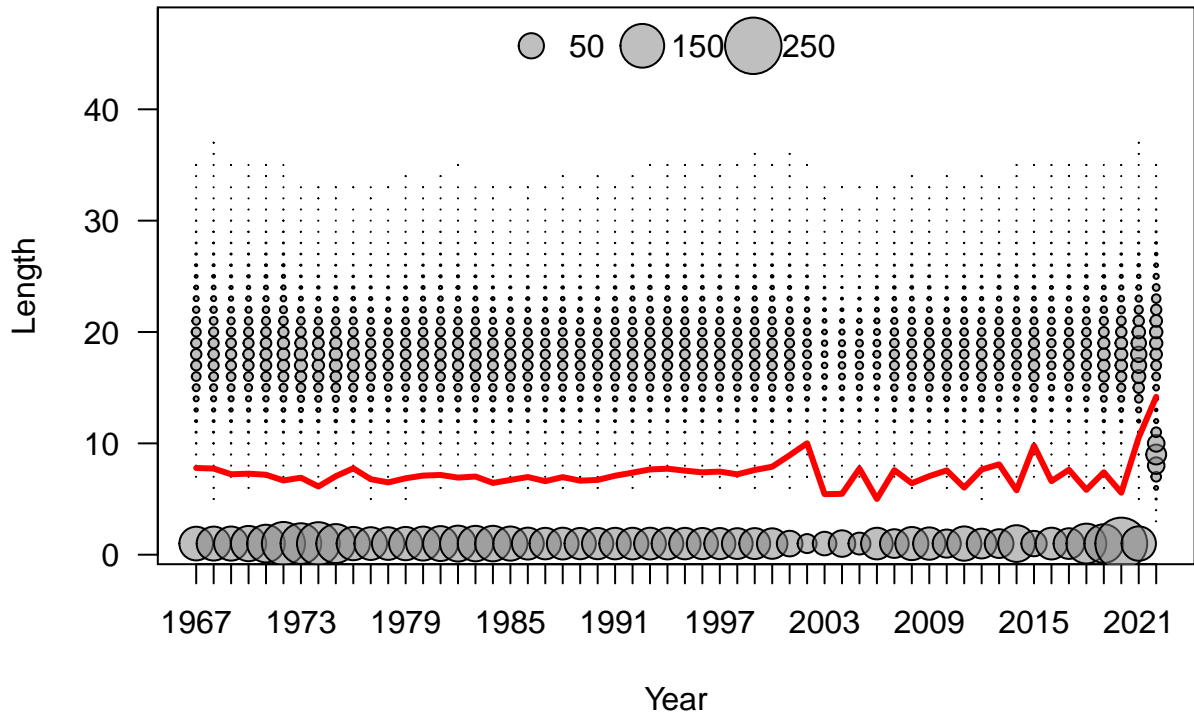
Age

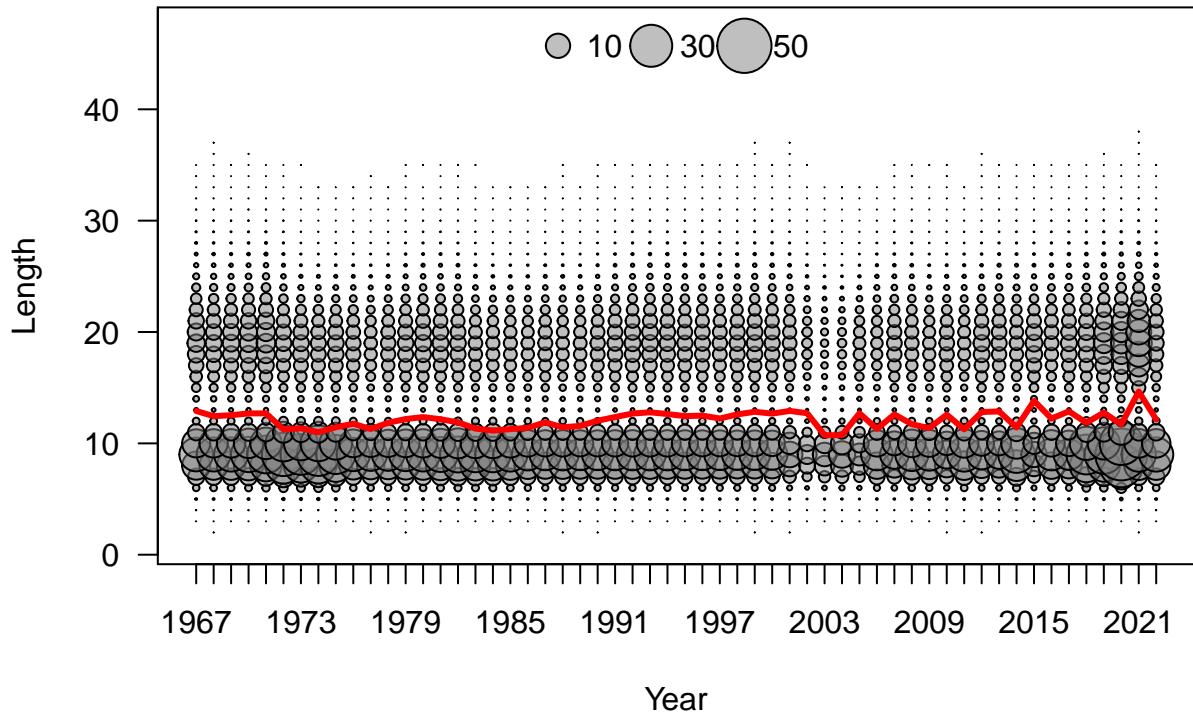


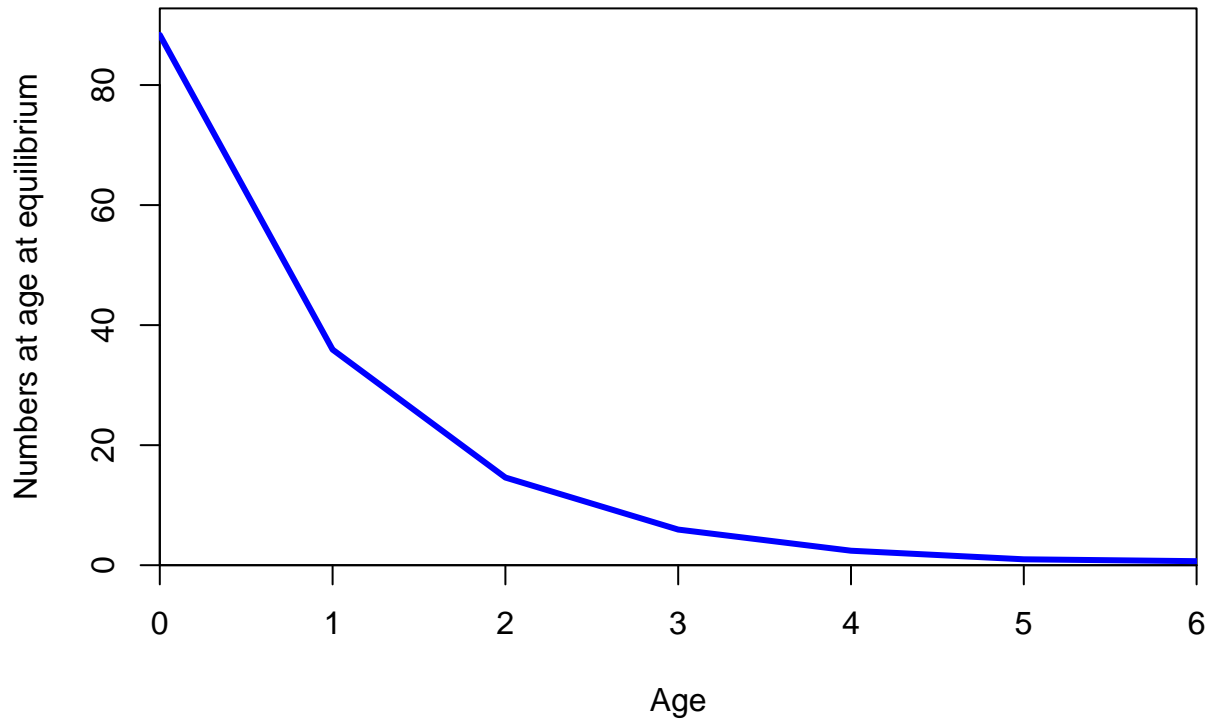


Age



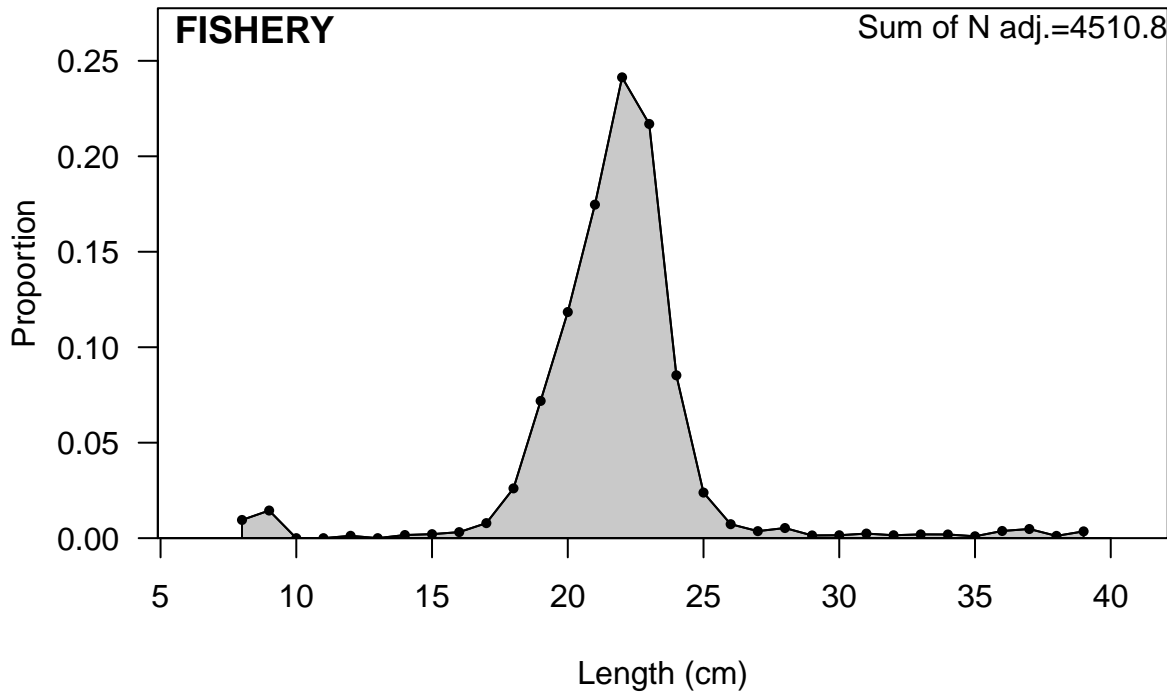


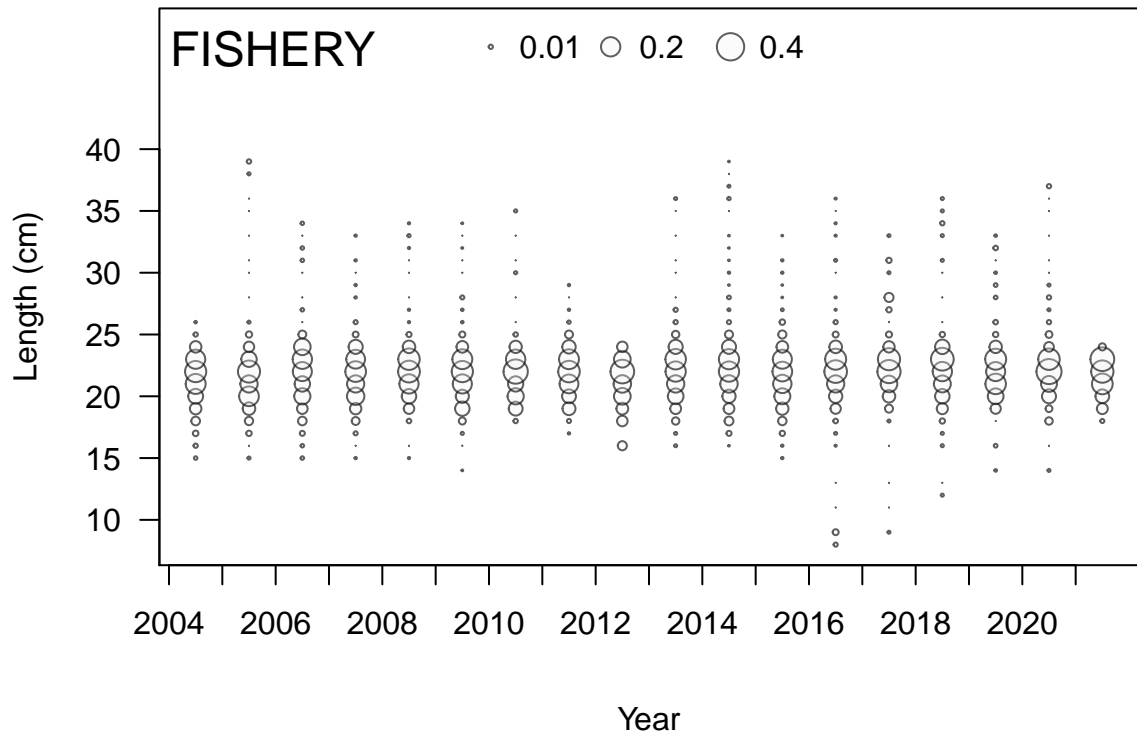




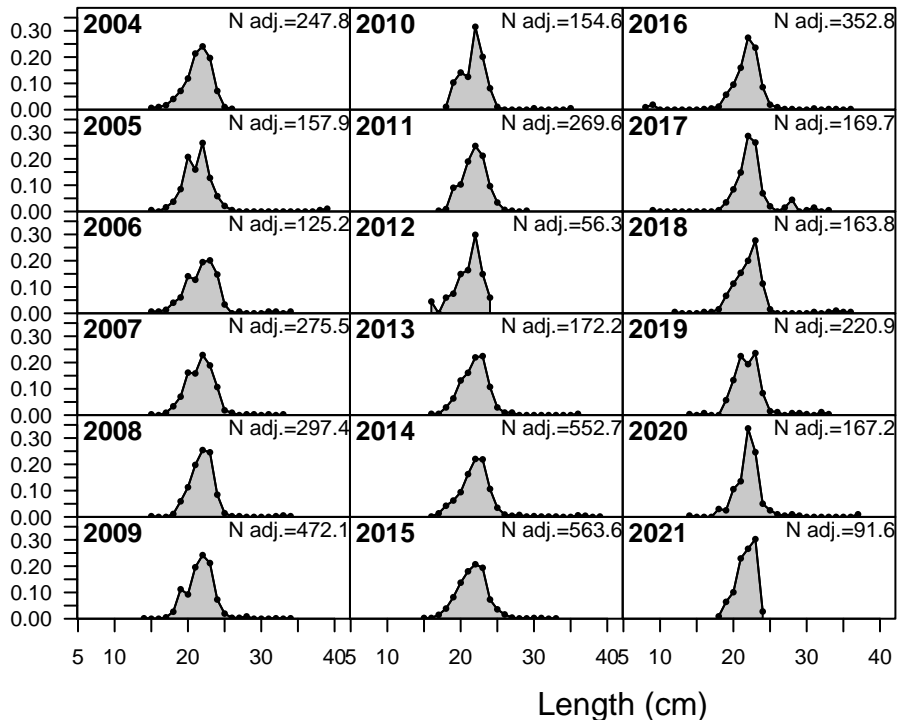
# FISHERY

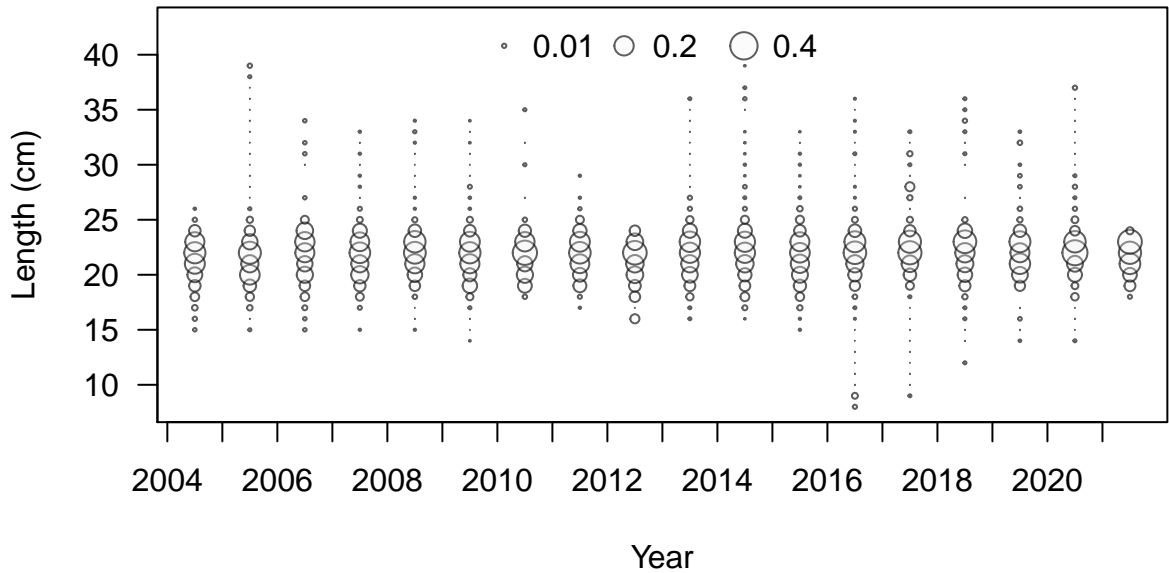
Sum of N adj.=4510.8





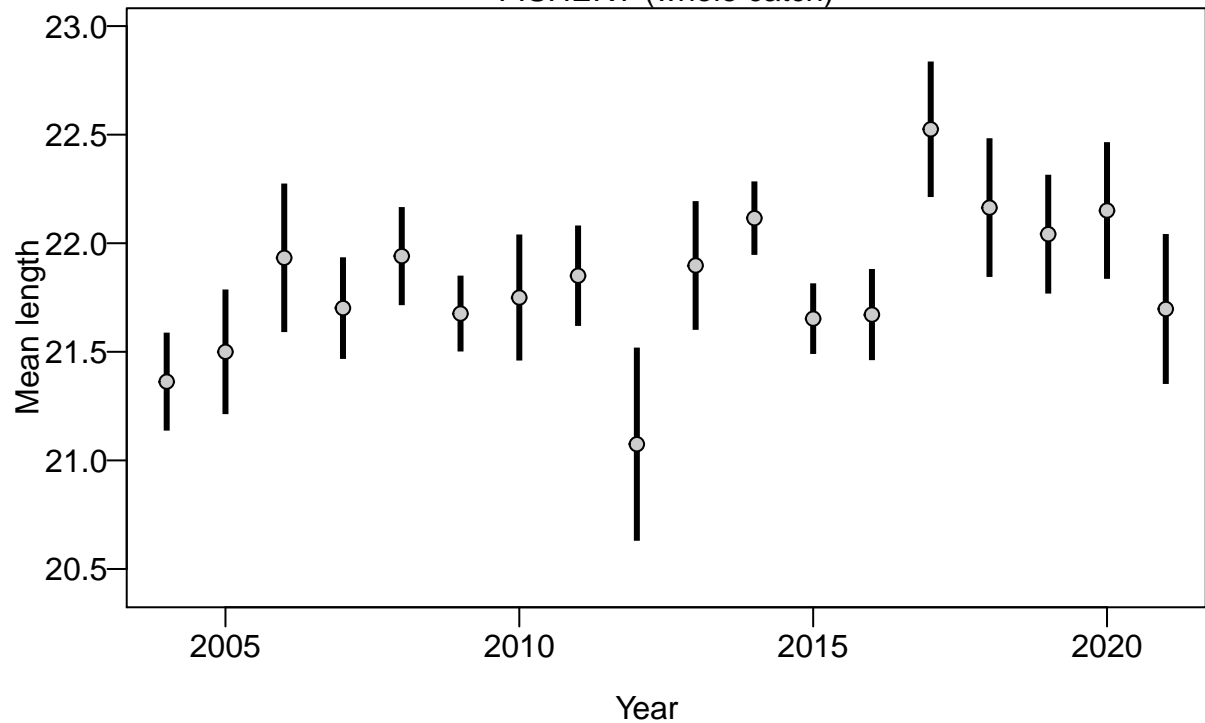
Proportion





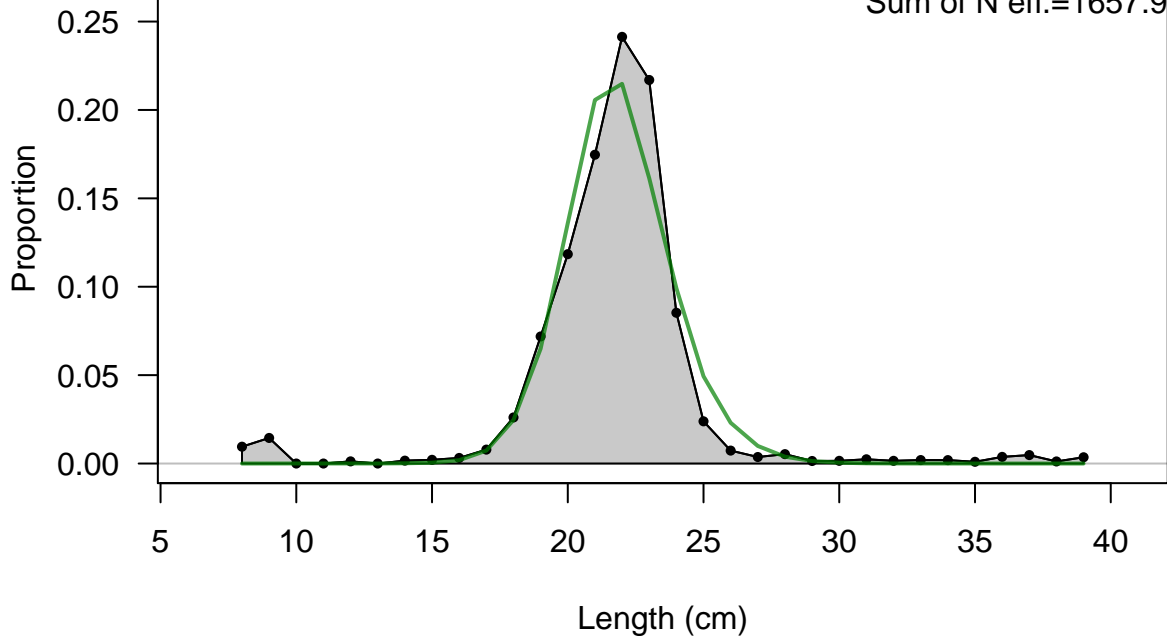


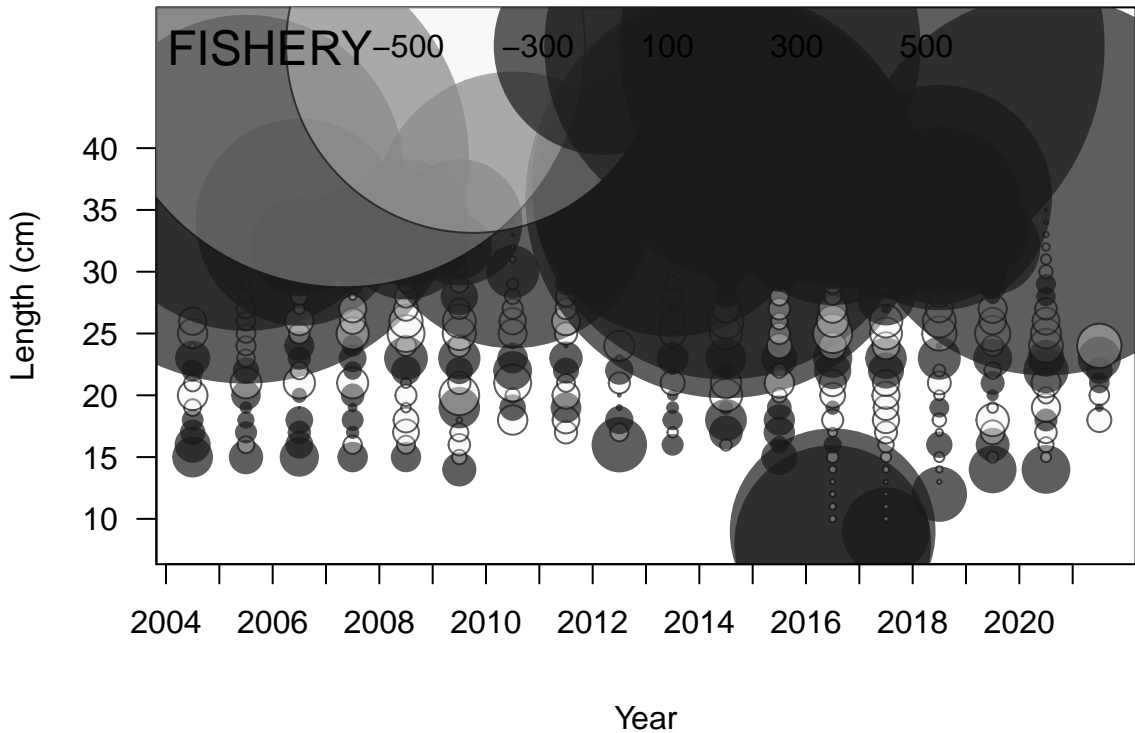
FISHERY (whole catch)

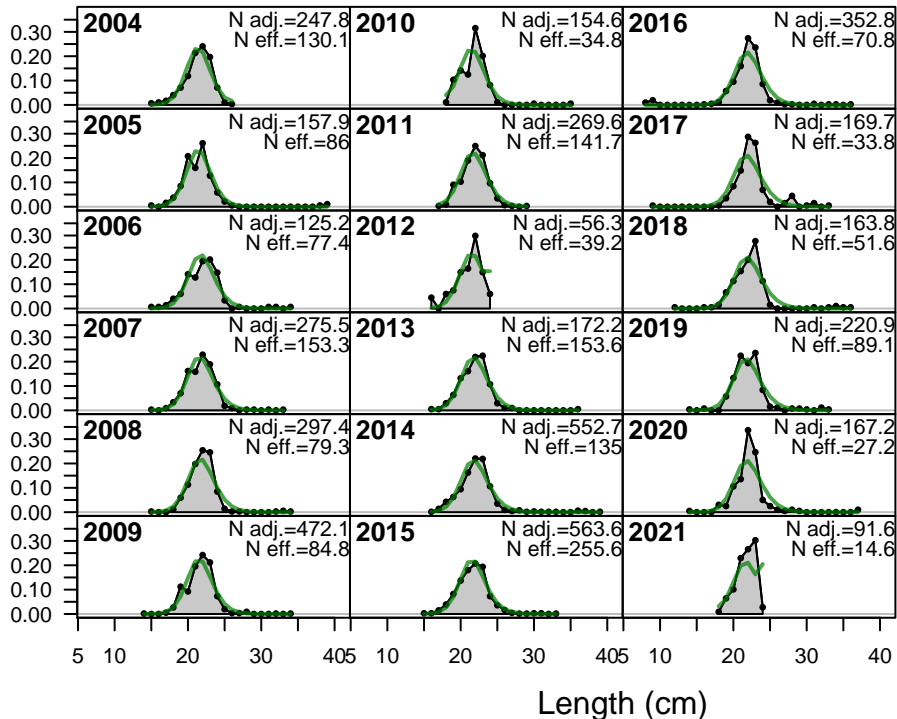


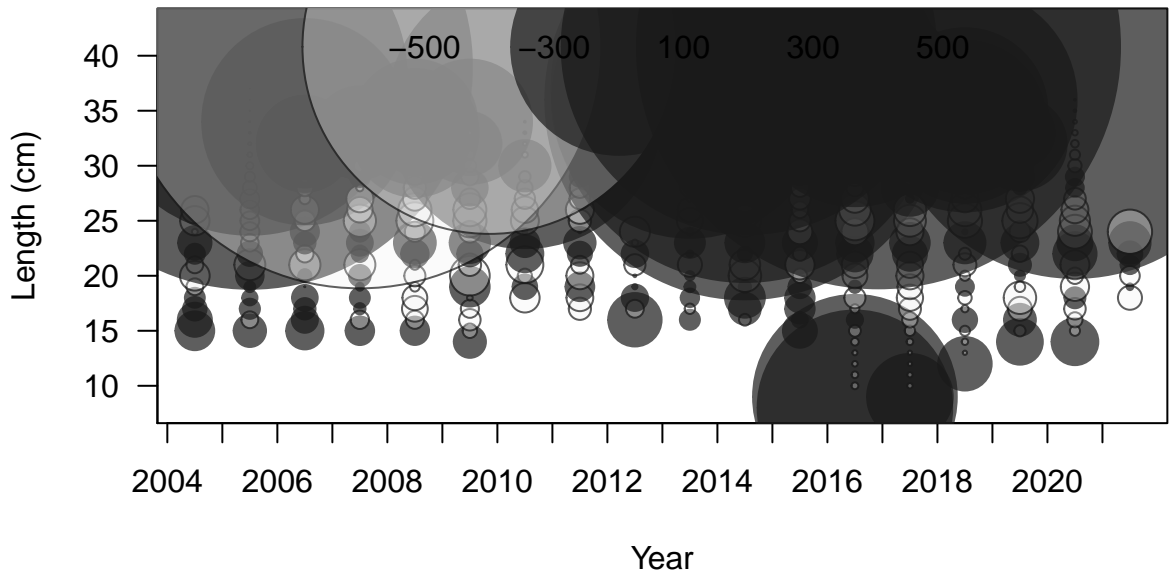
# FISHERY

Sum of N adj.=4510.8  
Sum of N eff.=1657.9

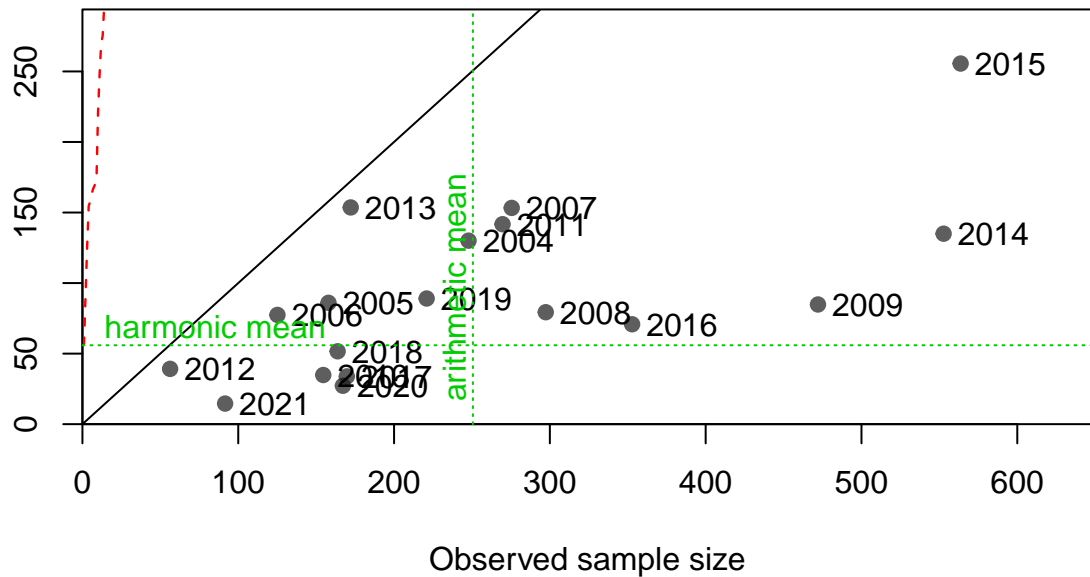




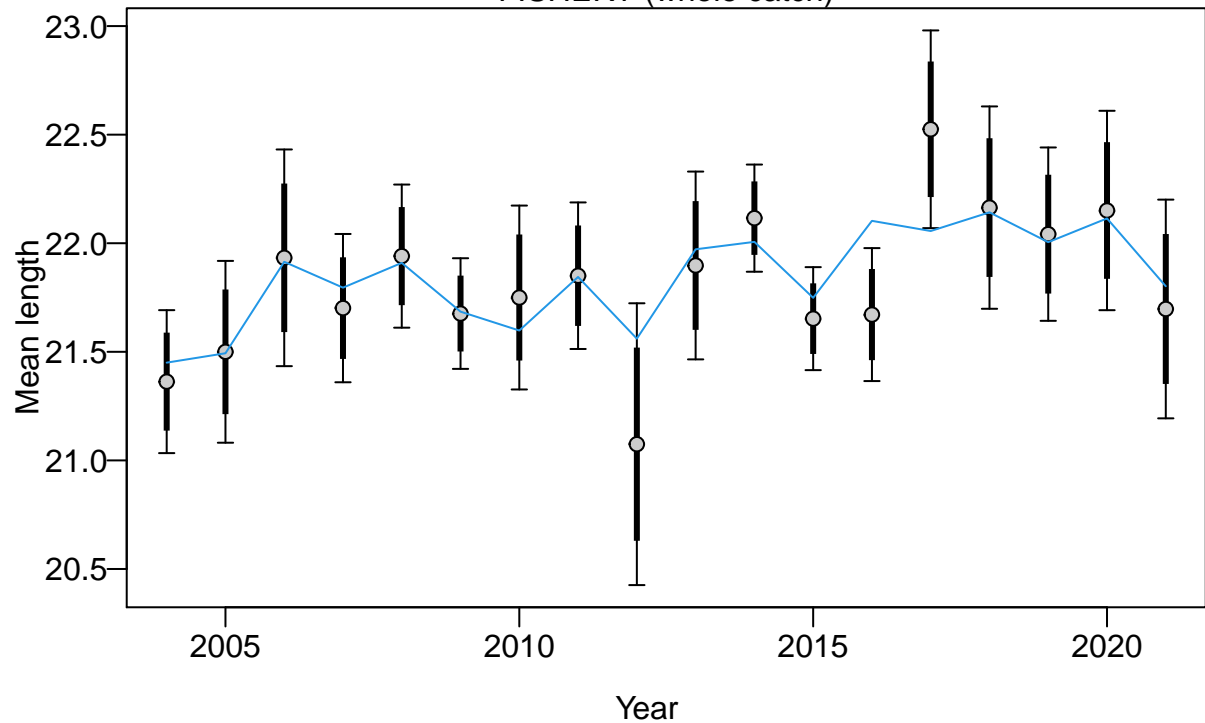


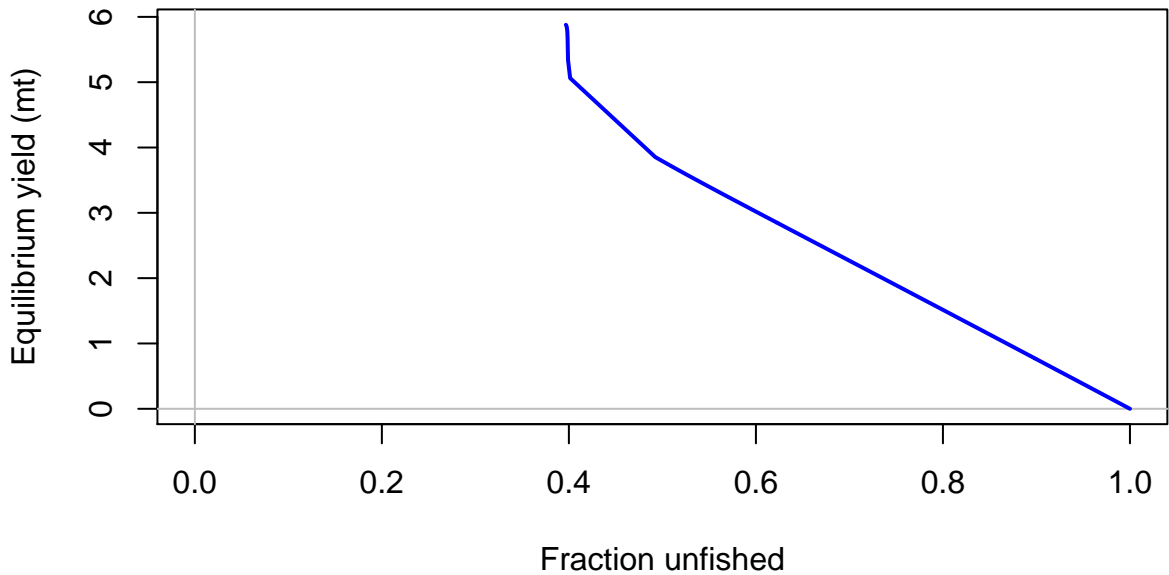


Effective sample size

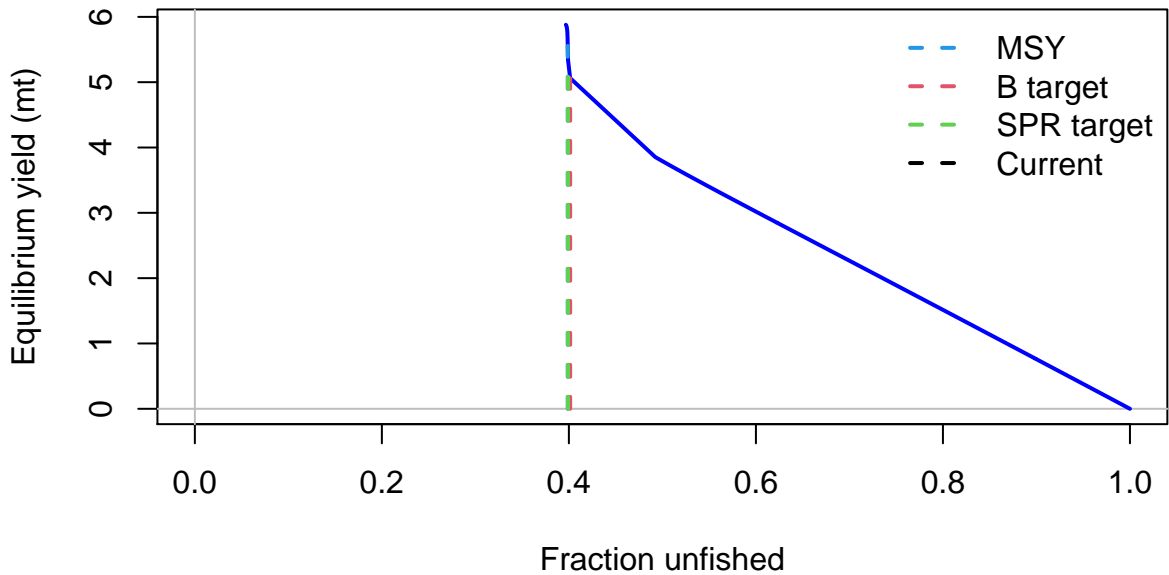


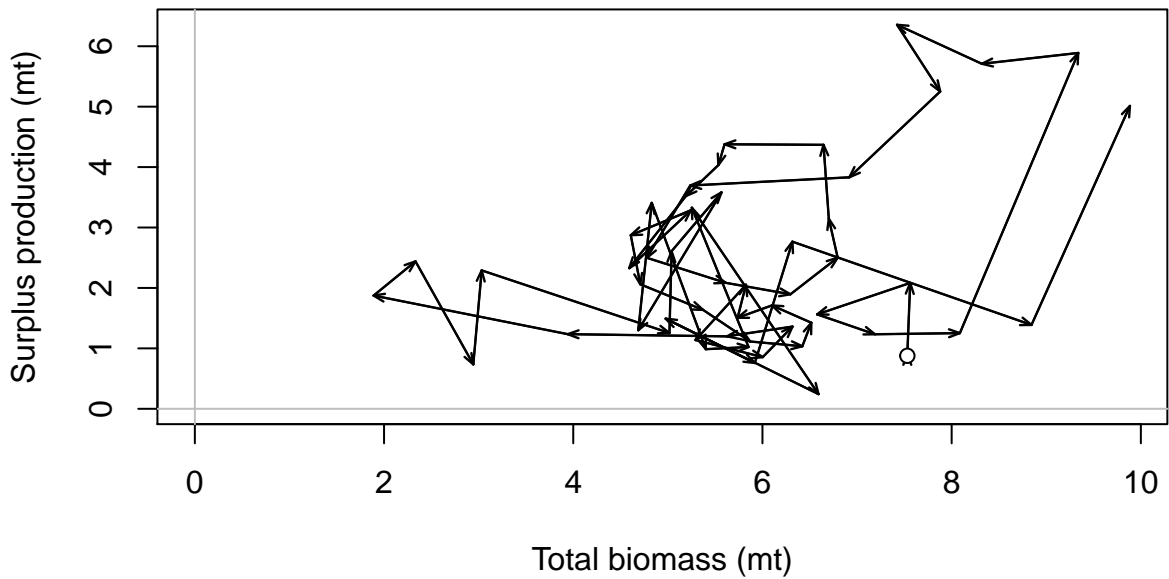
FISHERY (whole catch)

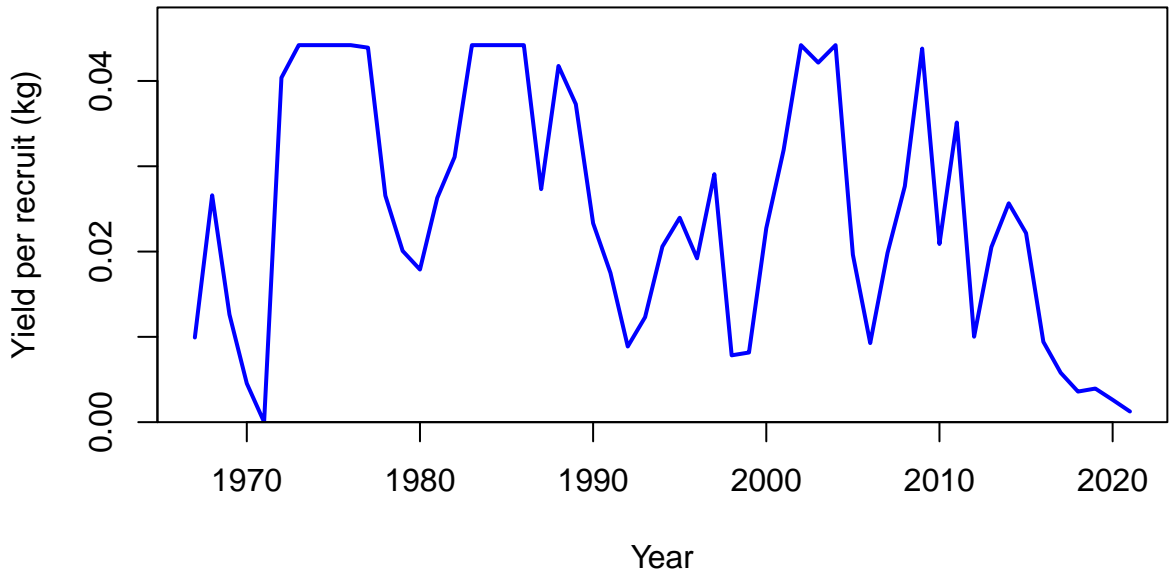


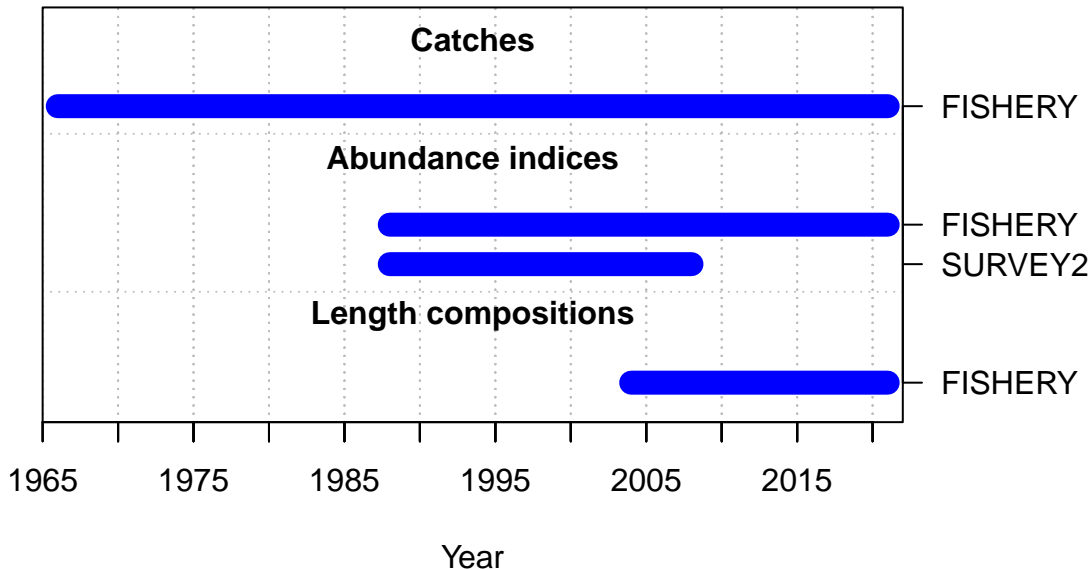


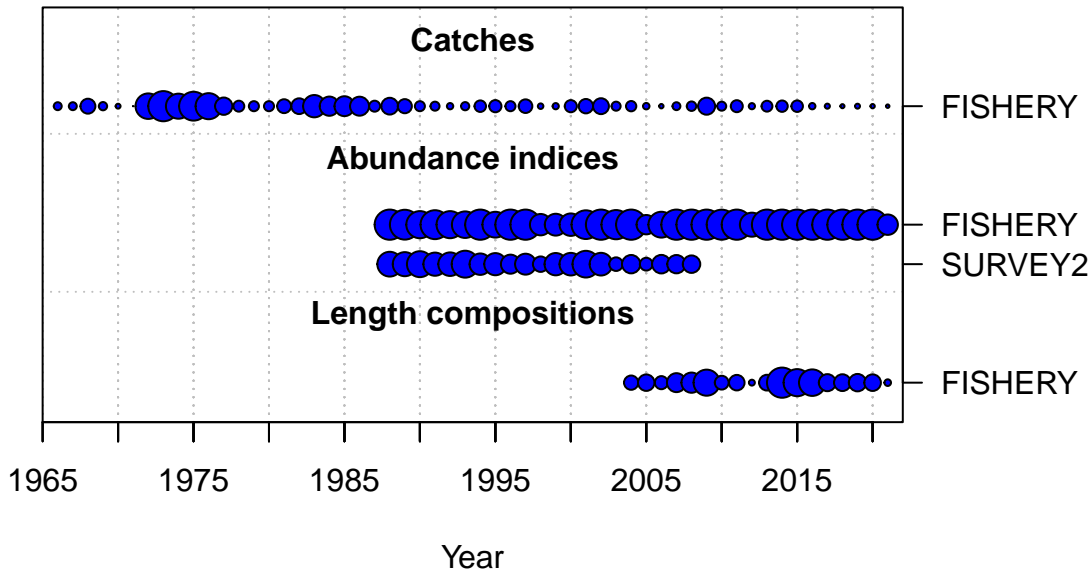






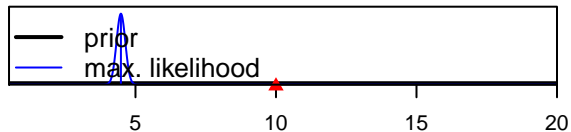




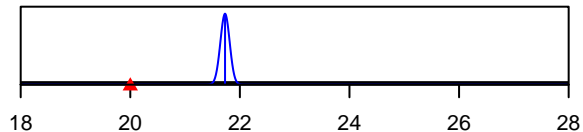


Density

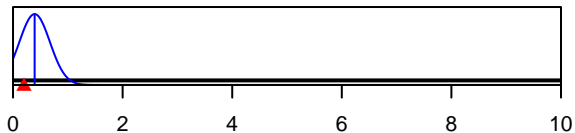
SR\_LN(R0)



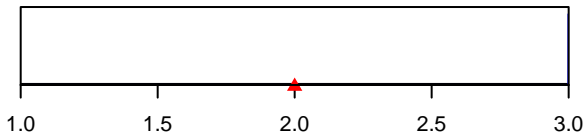
Size\_inflection\_FISHERY(1)



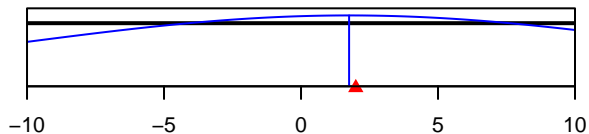
InitF\_seas\_1flt\_1FISHERY



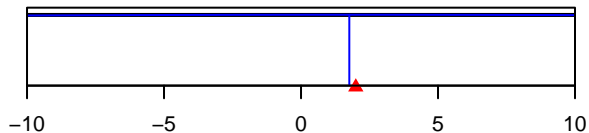
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)



Parameter value