

Plots created using the 'r4ss' package in R

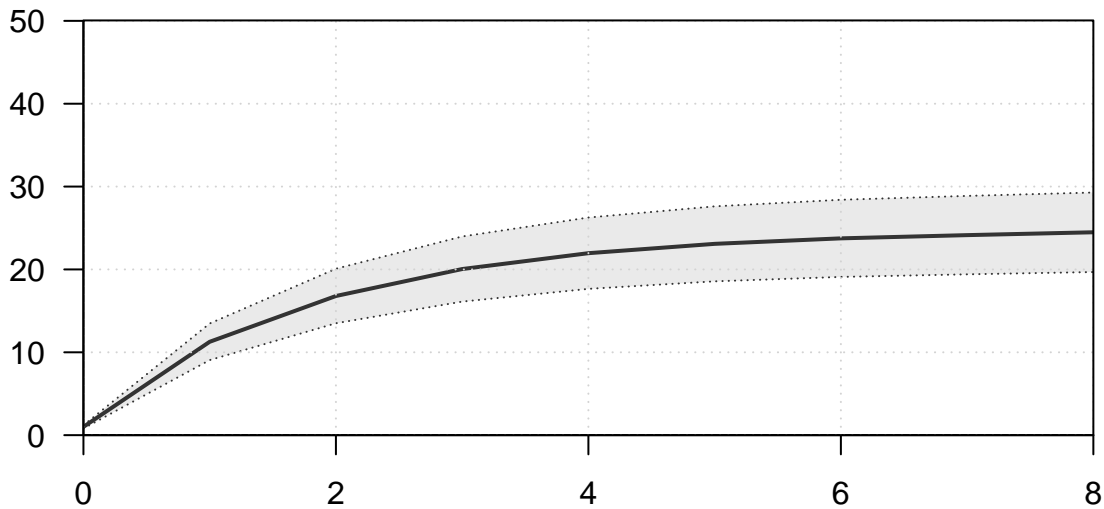
Stock Synthesis version: 3.30.19.0

StartTime: Sat Jul 09 09:36:03 2022

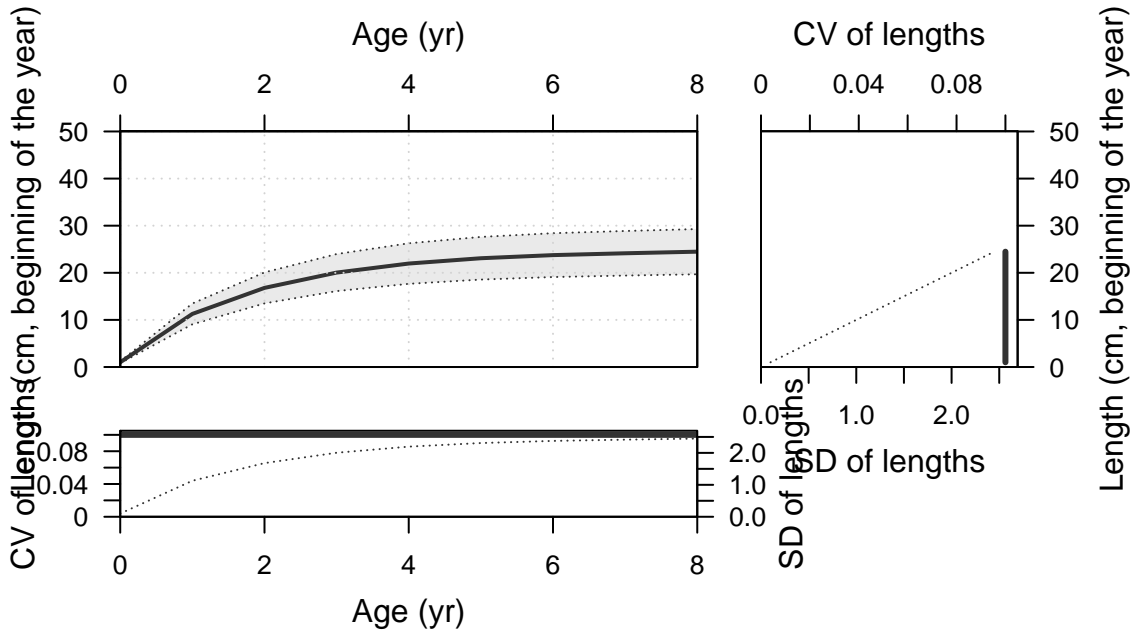
Data\_File: data.ss

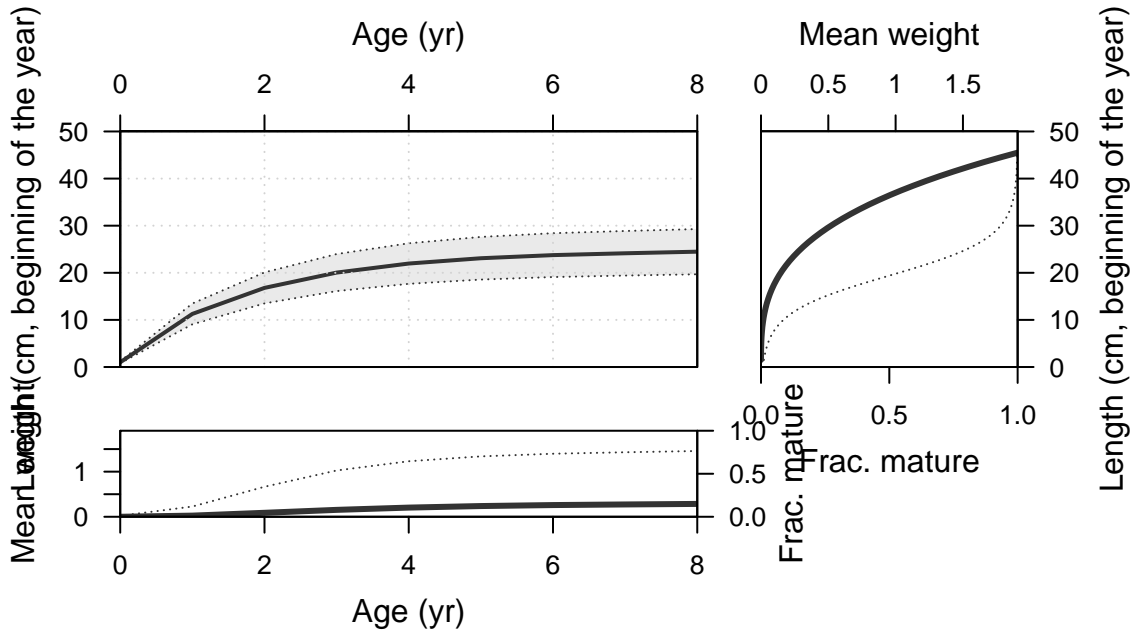
Control\_File: control.ss

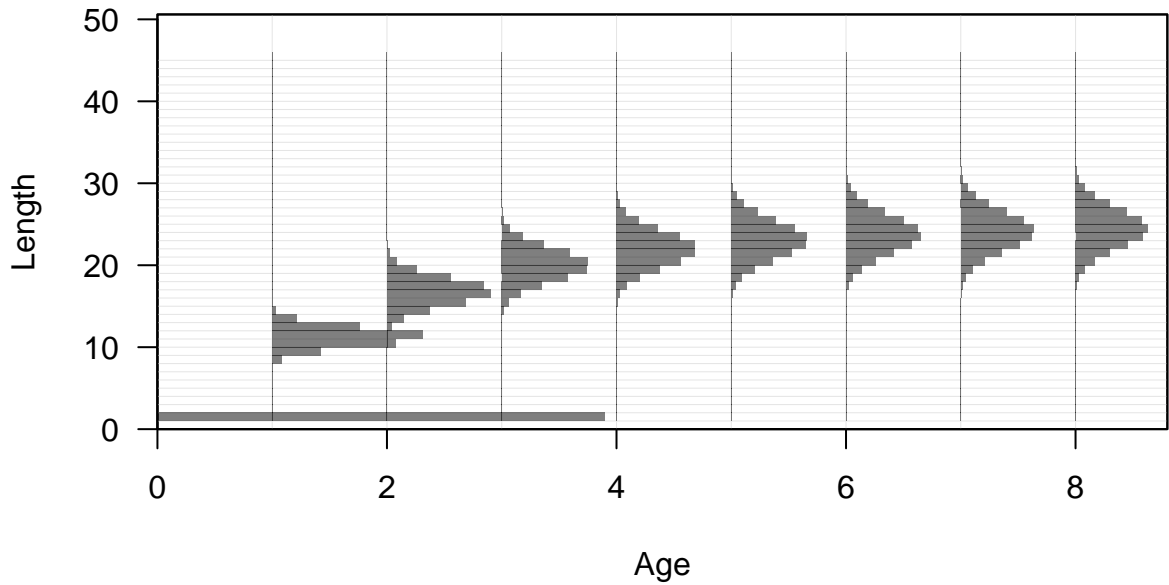
Length (cm, beginning of the year)

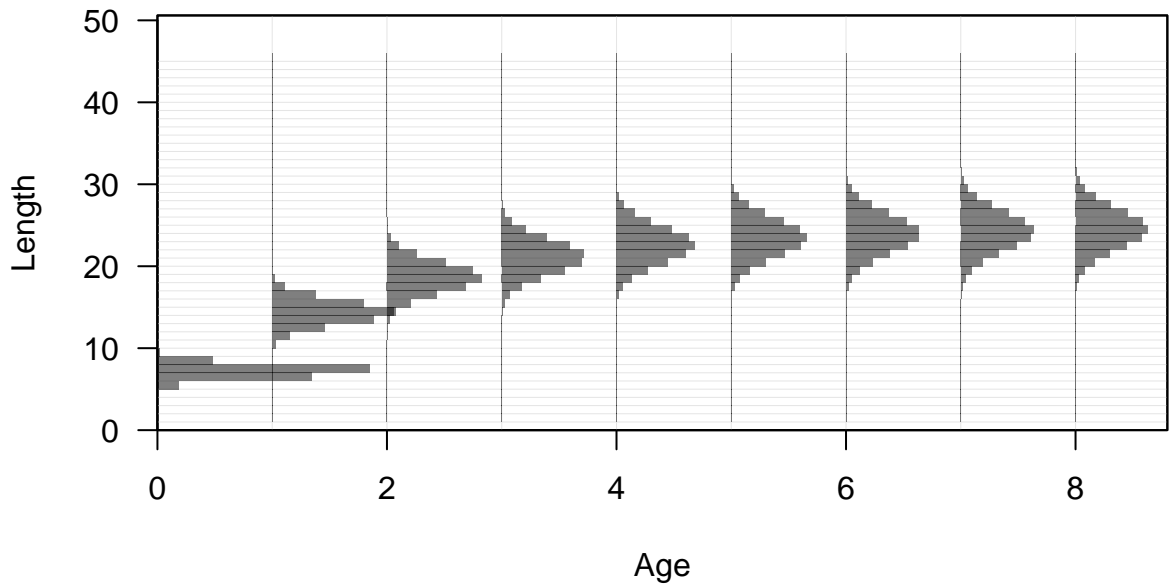


Age (yr)

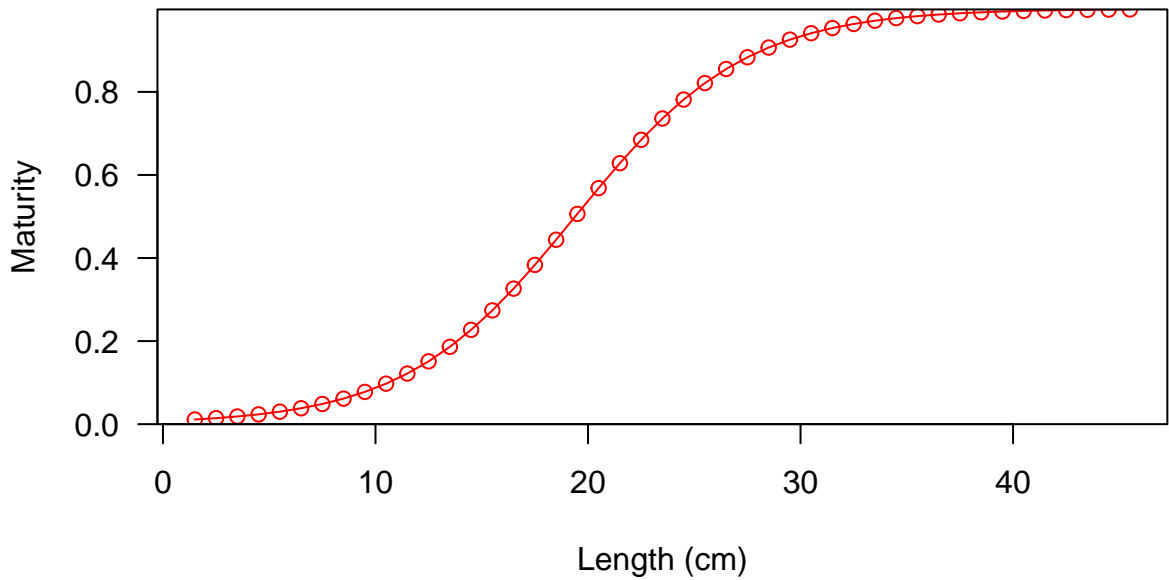






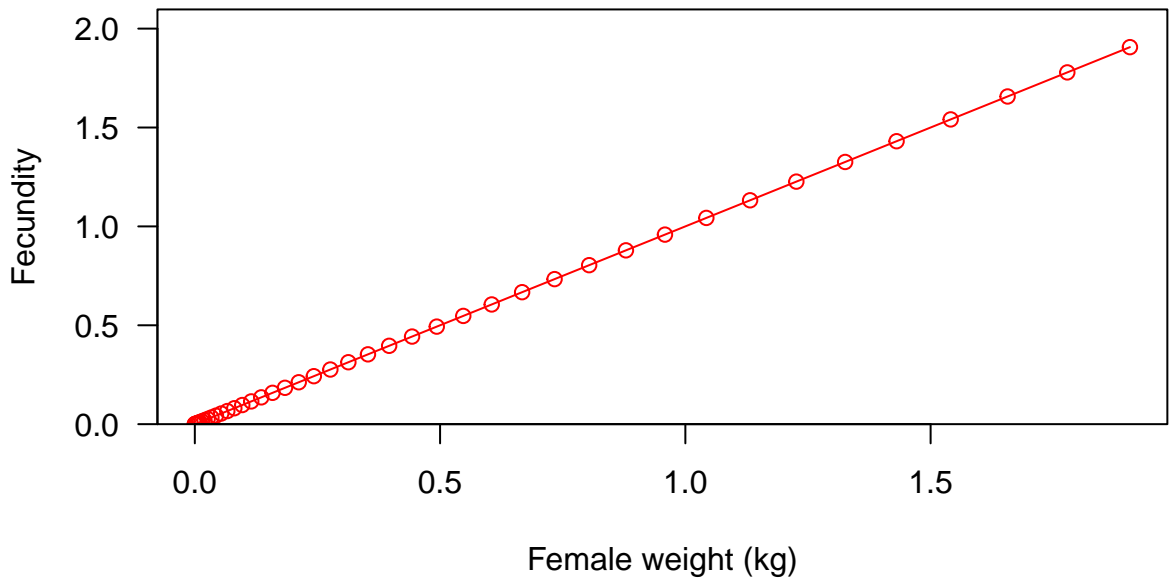




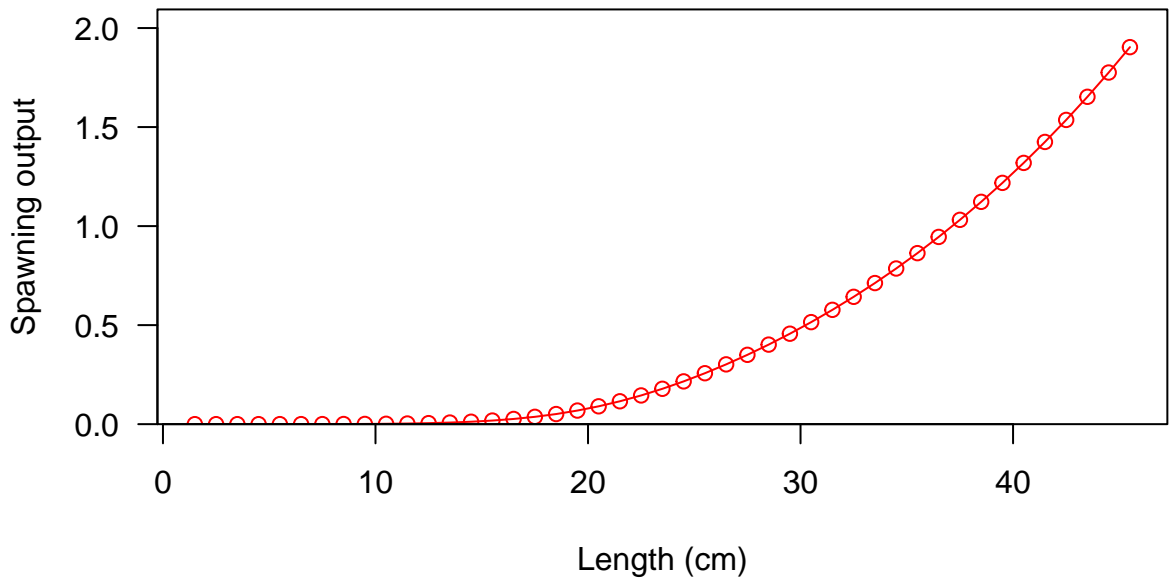


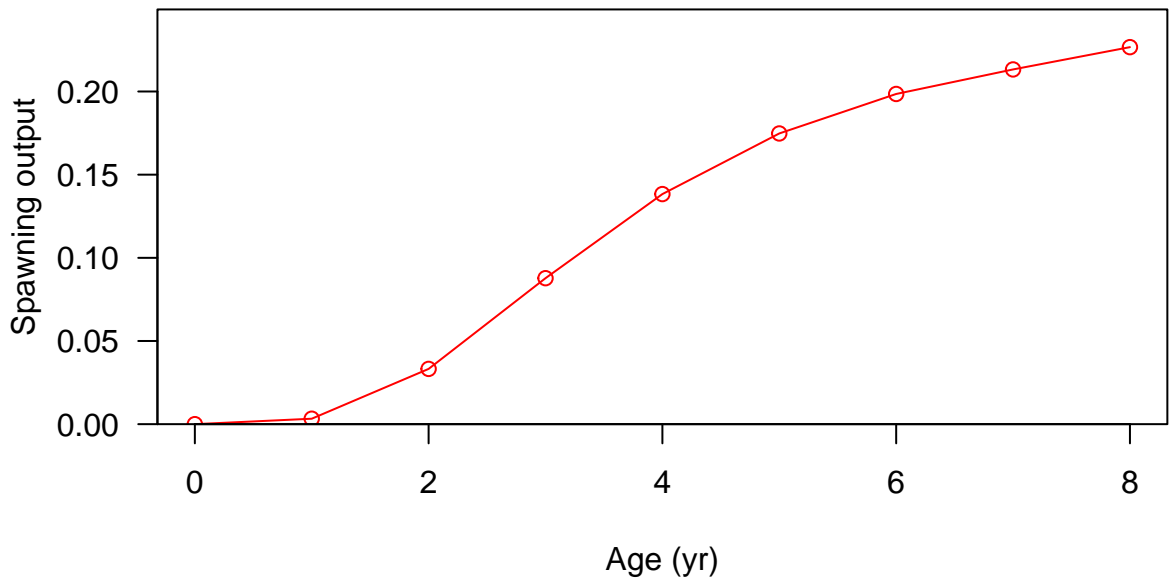




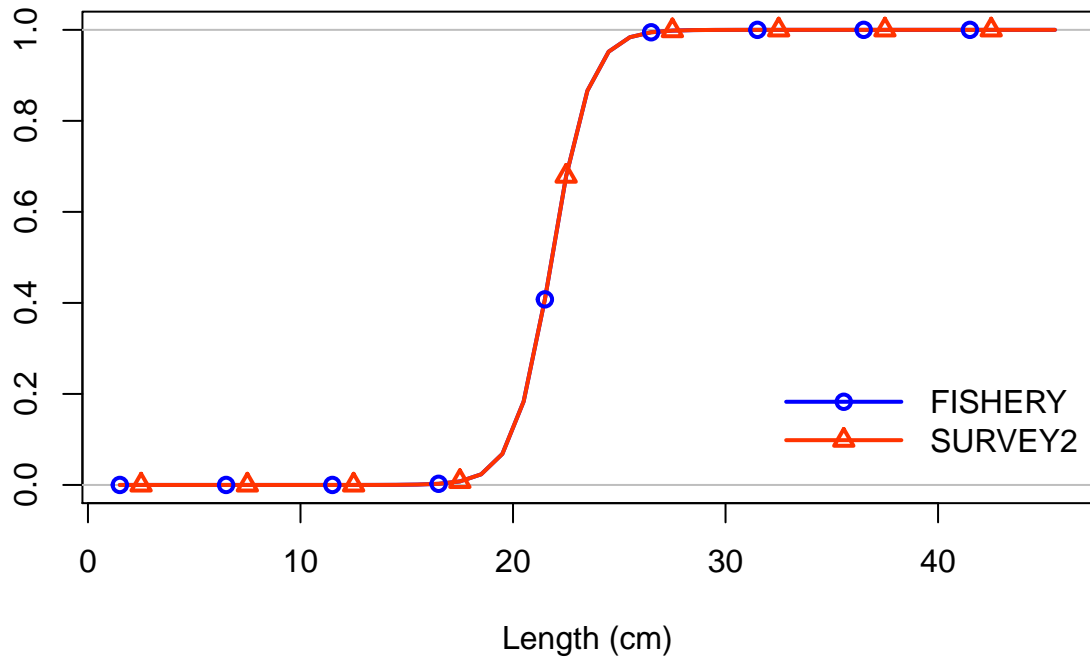




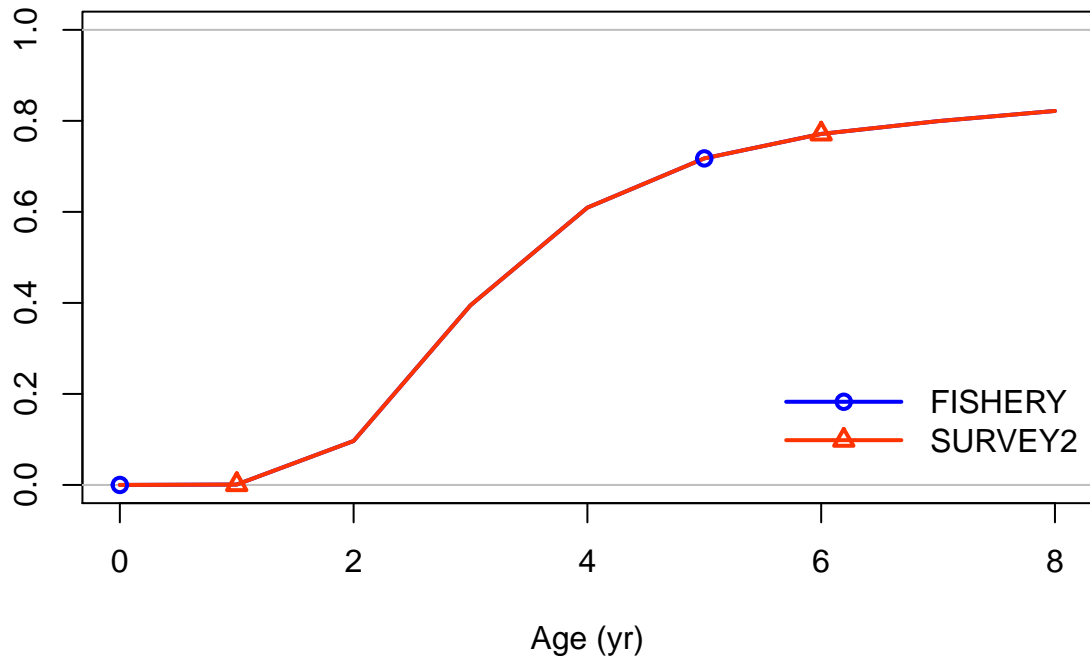




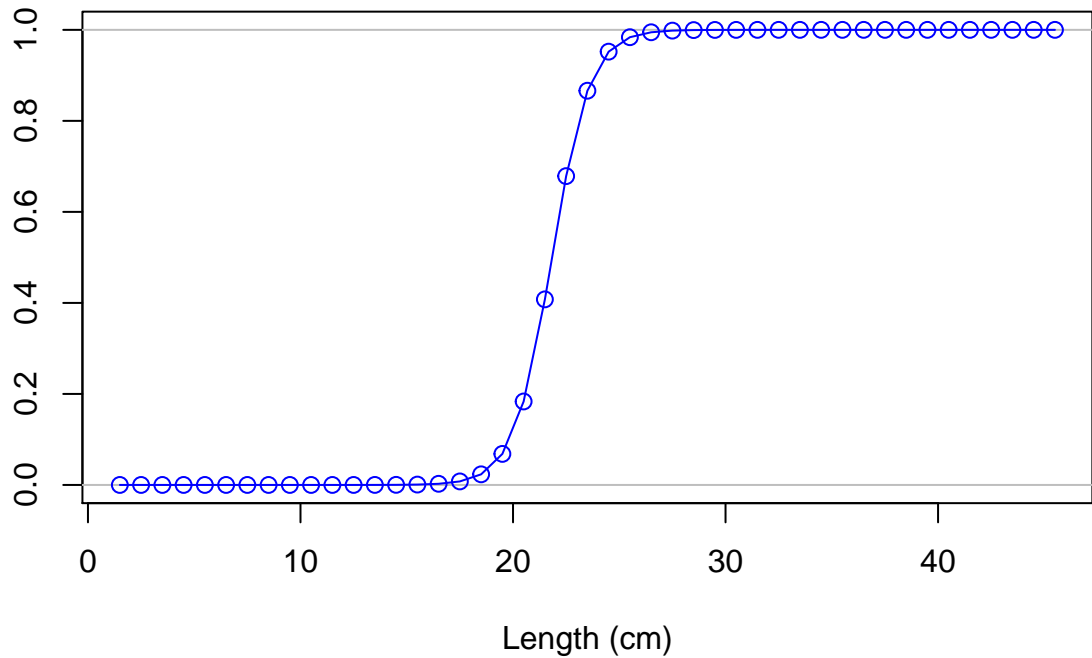
Selectivity



Selectivity

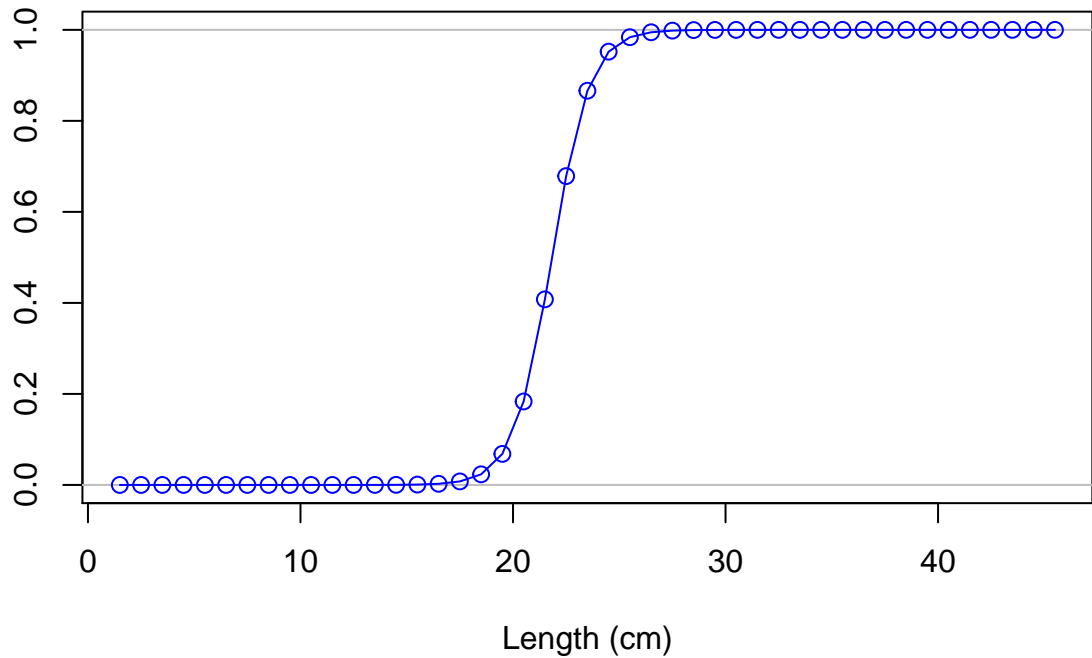


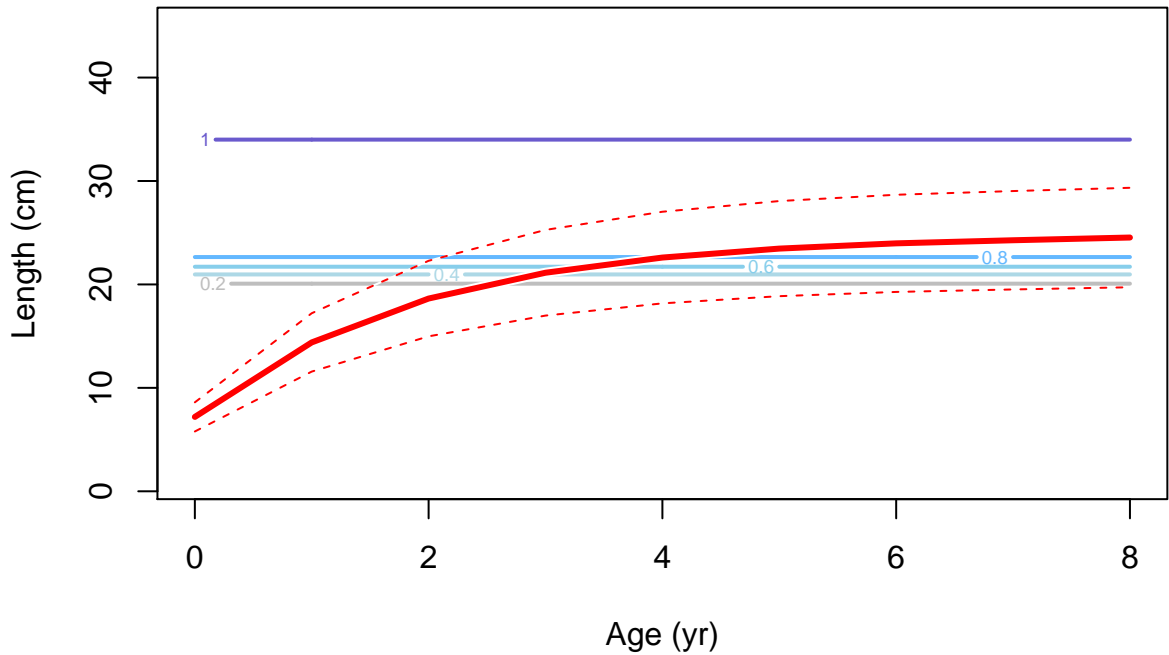
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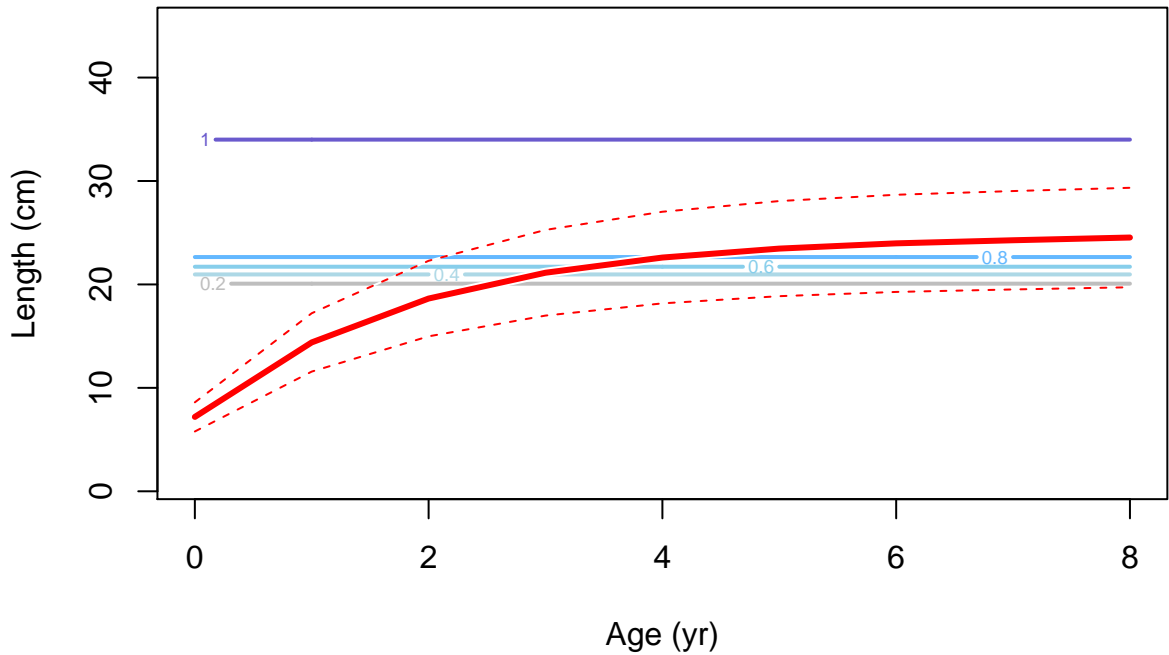


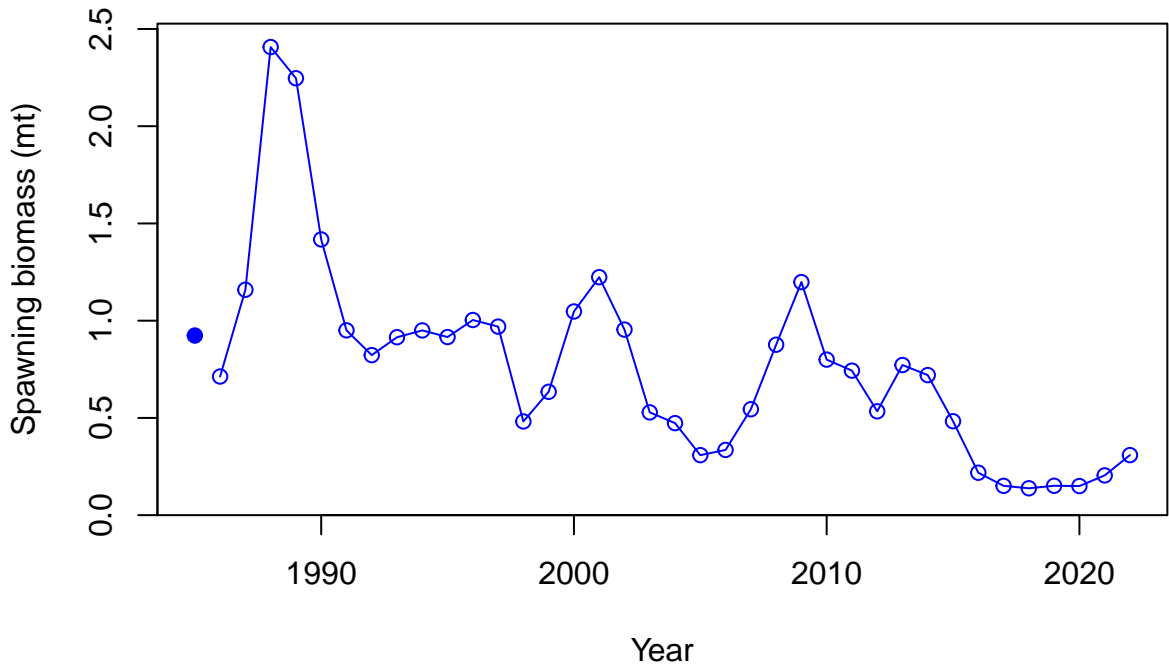


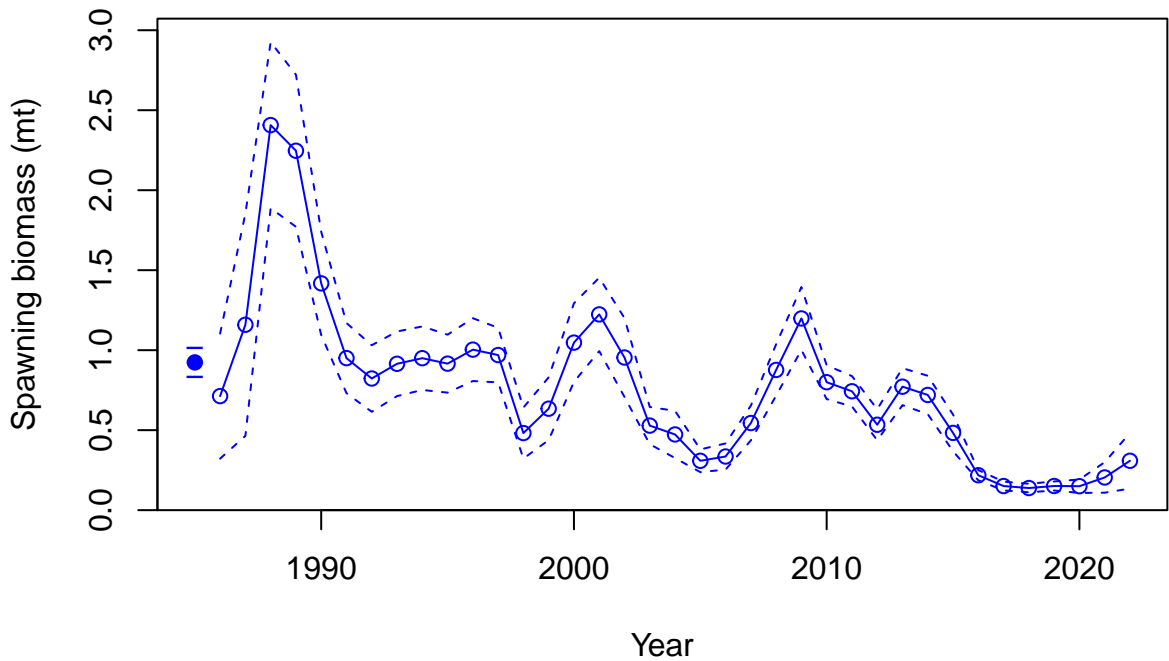
Selectivity



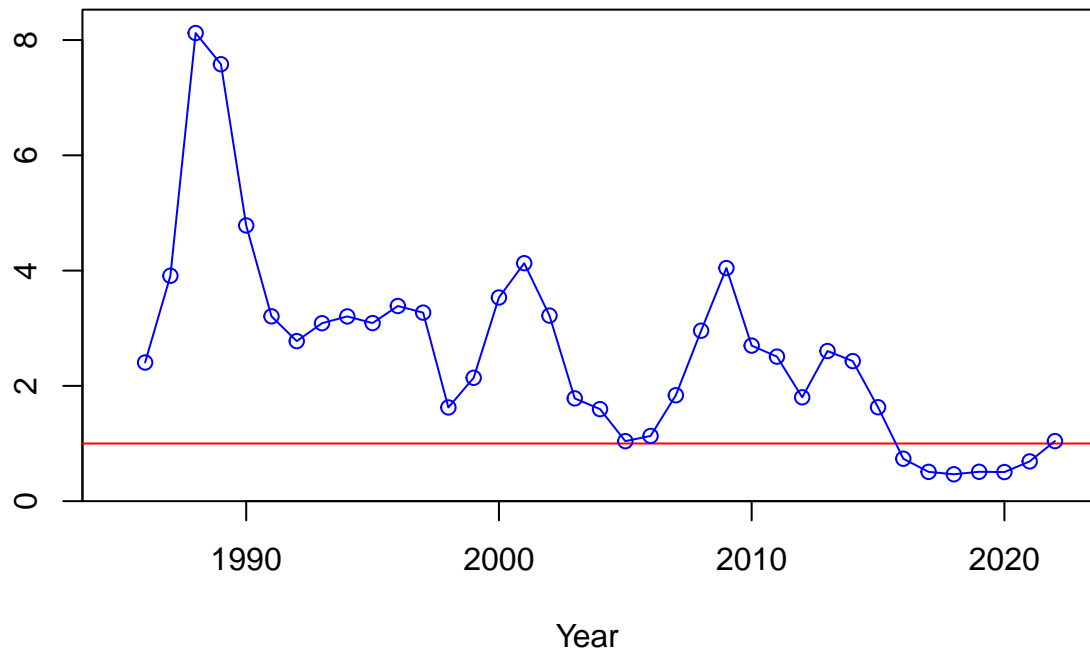




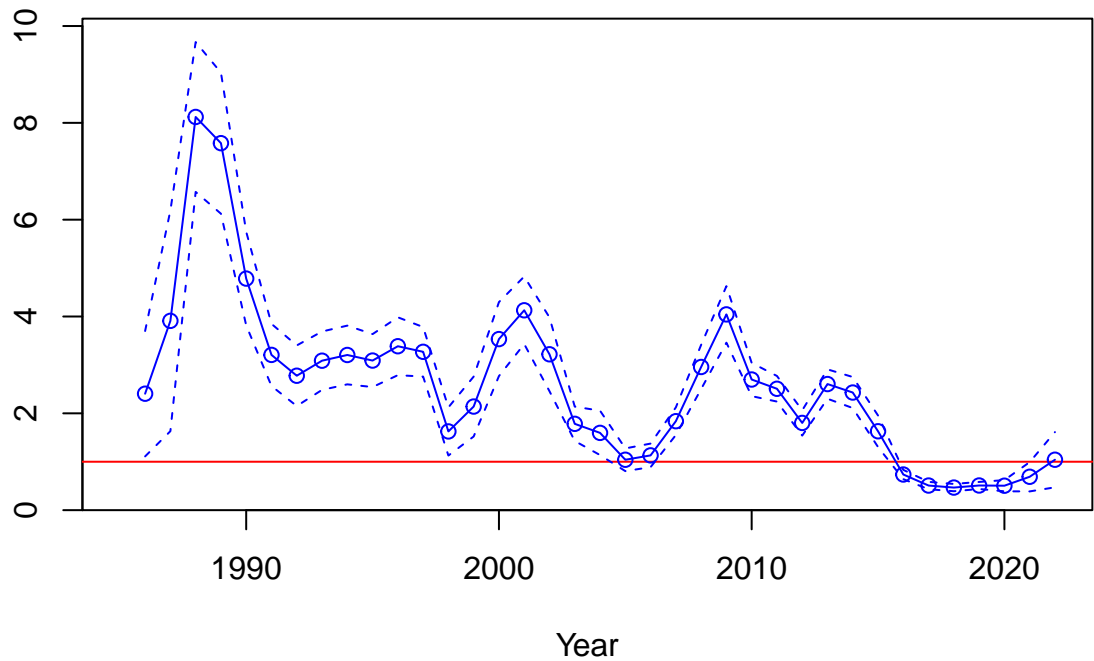


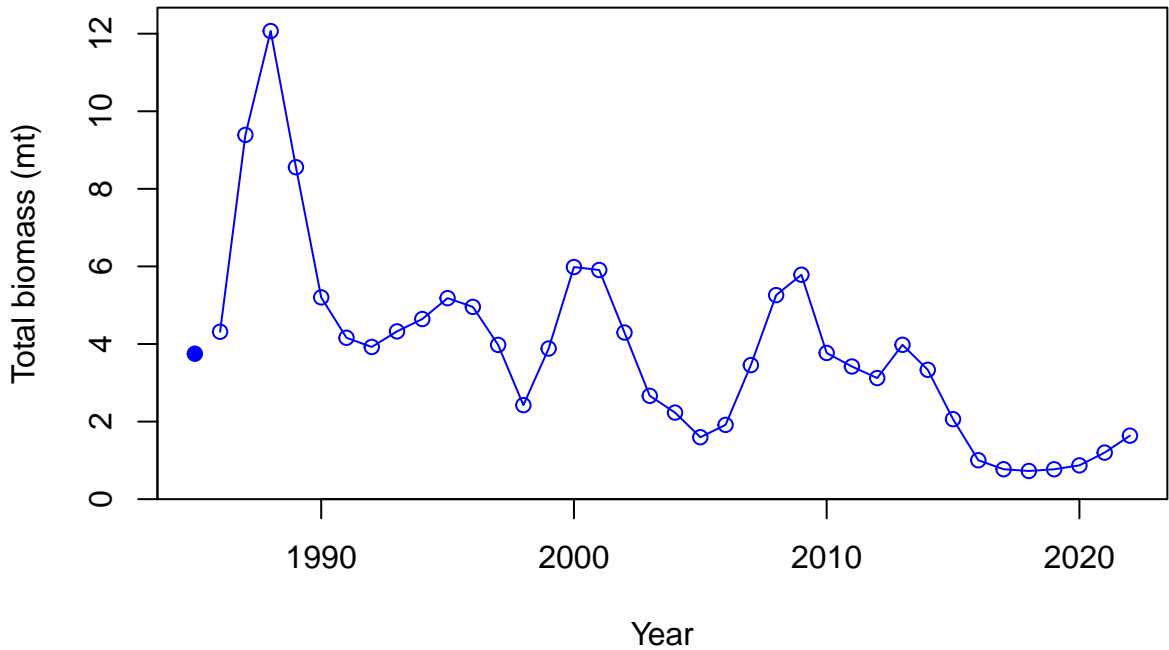


Relative spawning biomass:  $B/B_{MSY}$

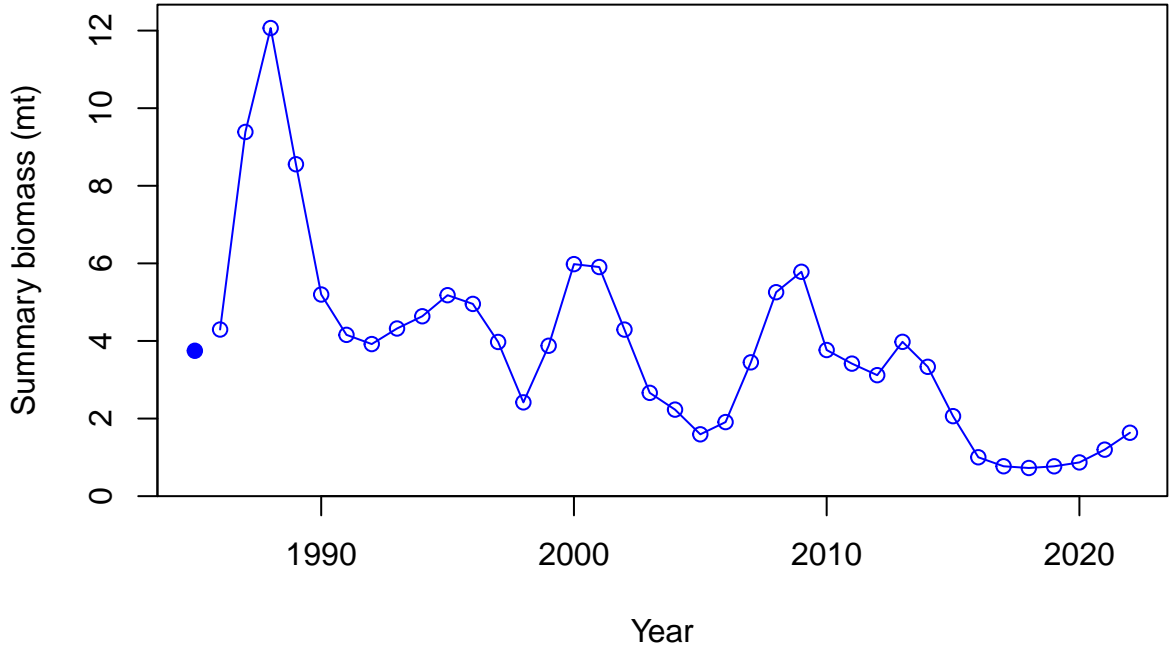


Relative spawning biomass:  $B/B_{MSY}$

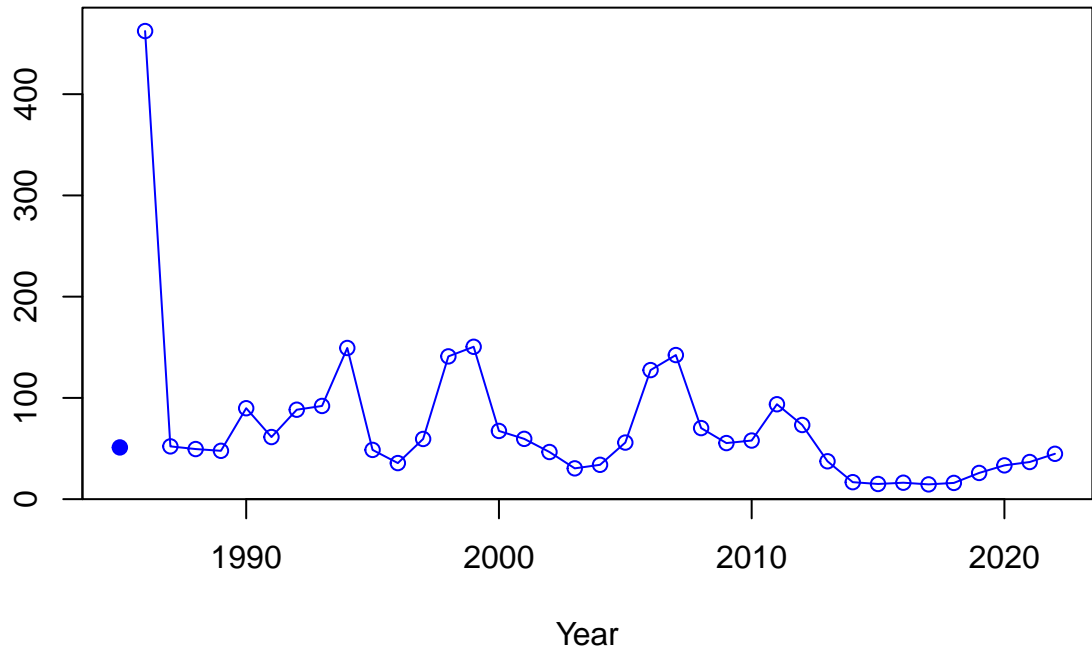


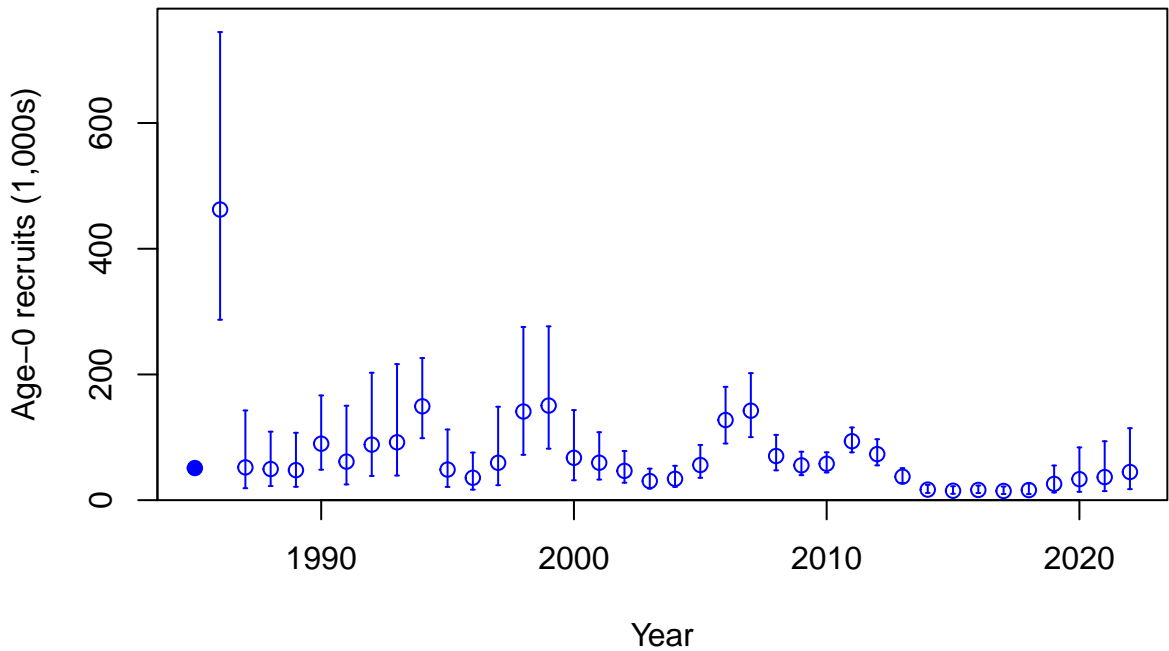




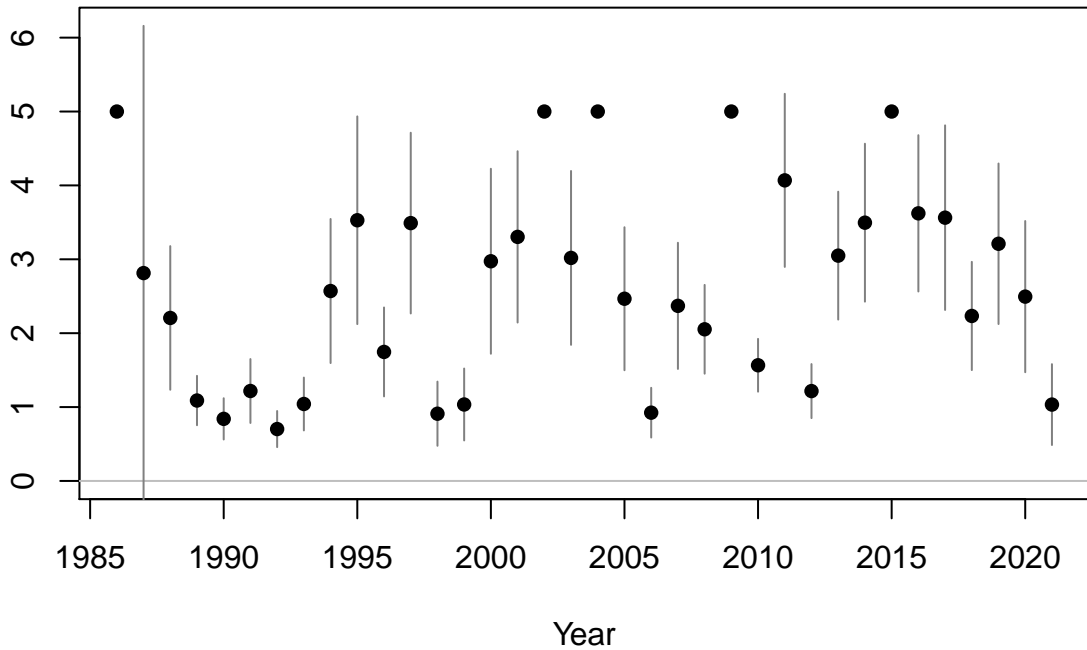


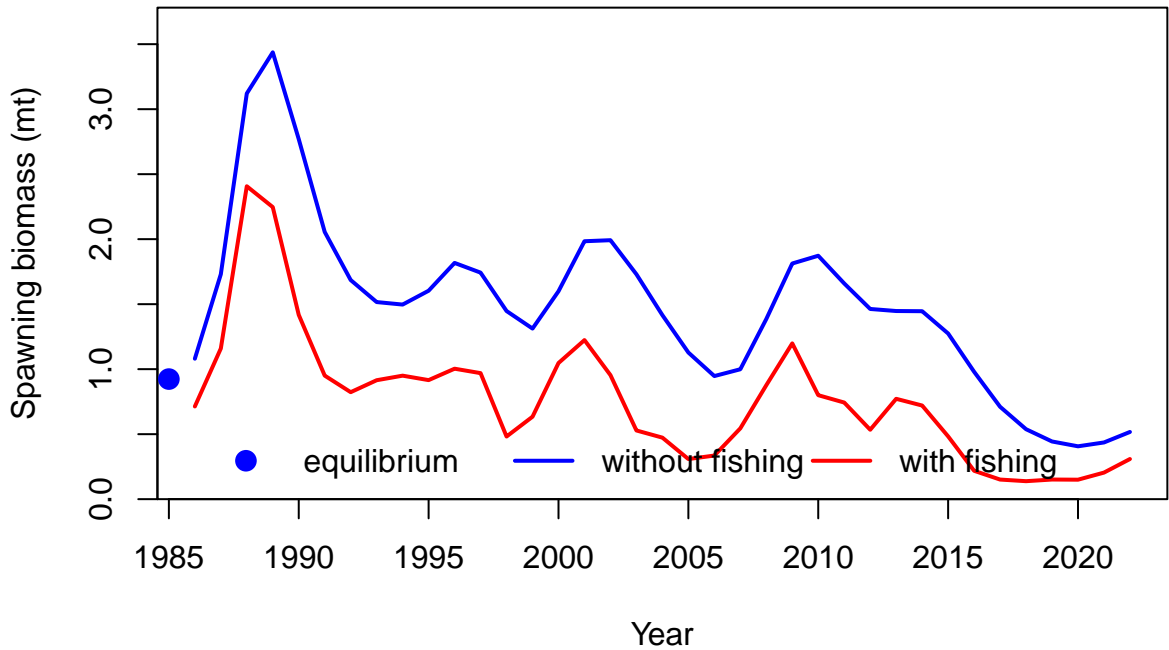
Age-0 recruits (1,000s)



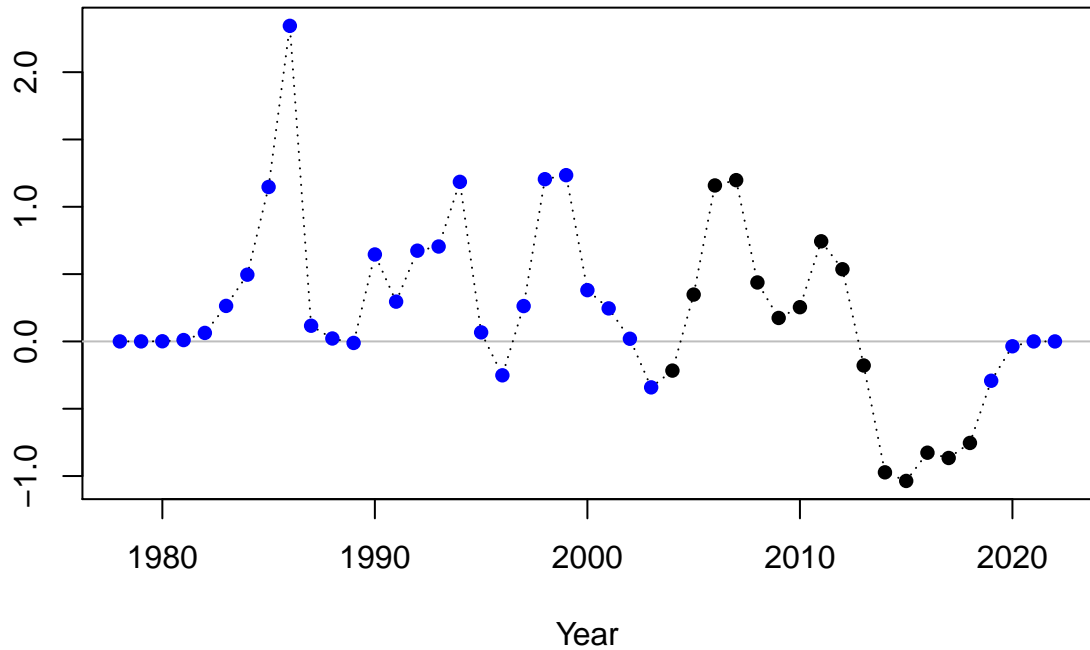


Summary Fishing Mortality

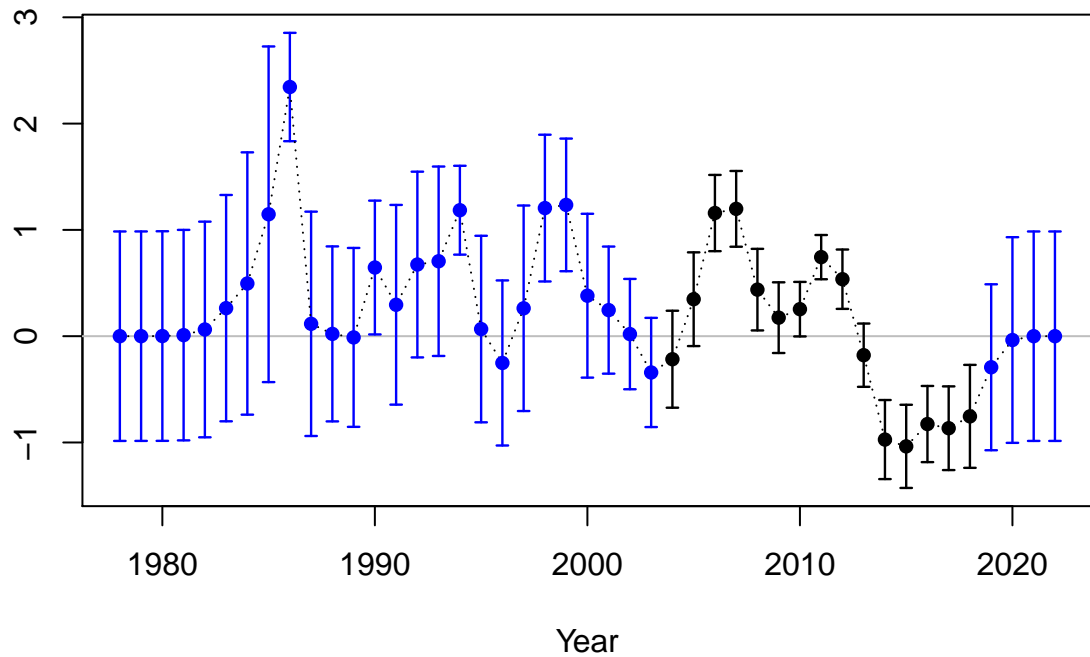




Log recruitment deviation

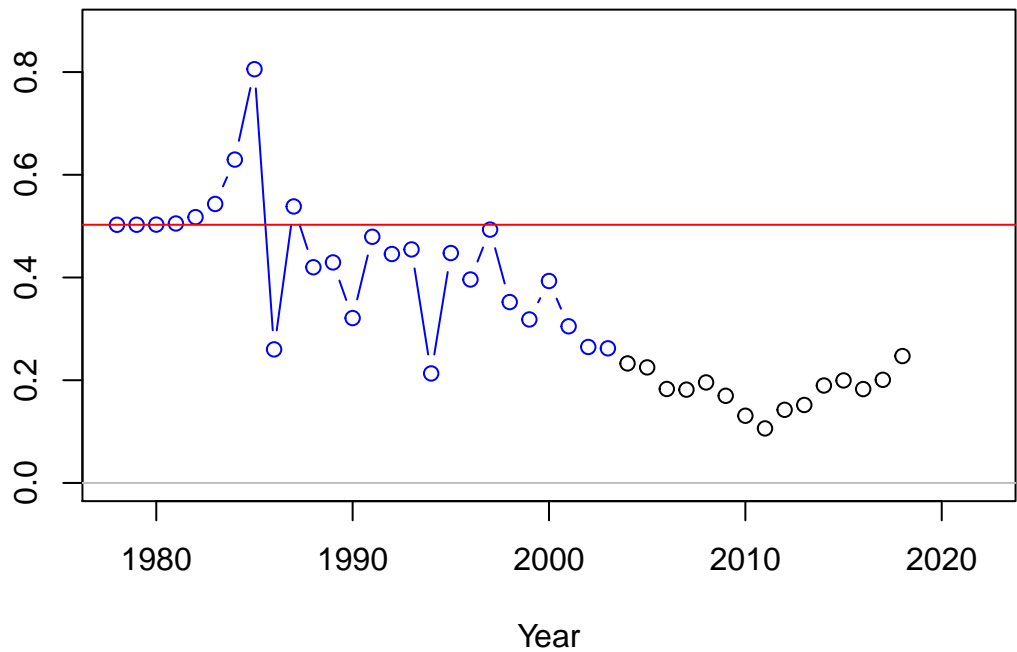


Log recruitment deviation

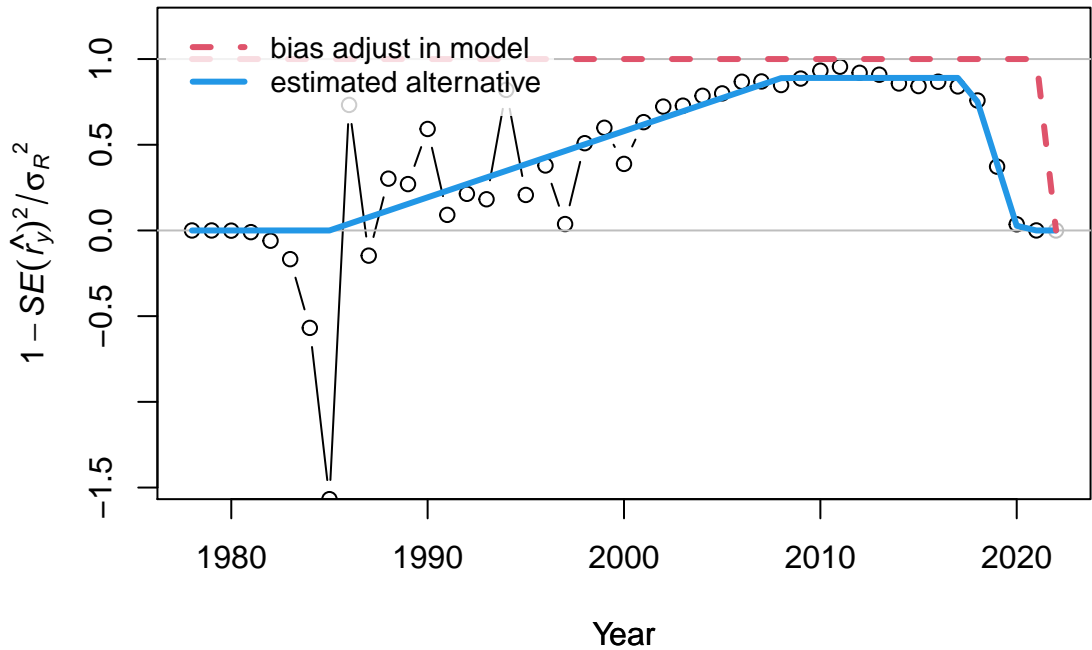


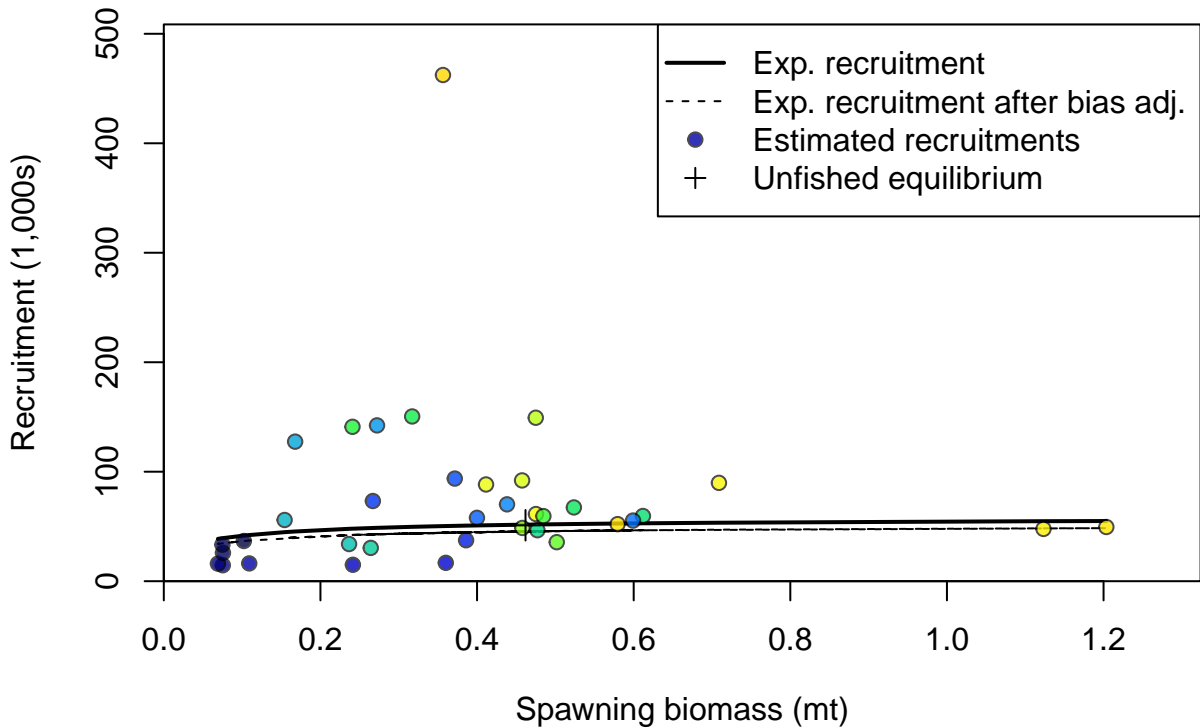
## Recruitment deviation variance

Asymptotic standard error estimate

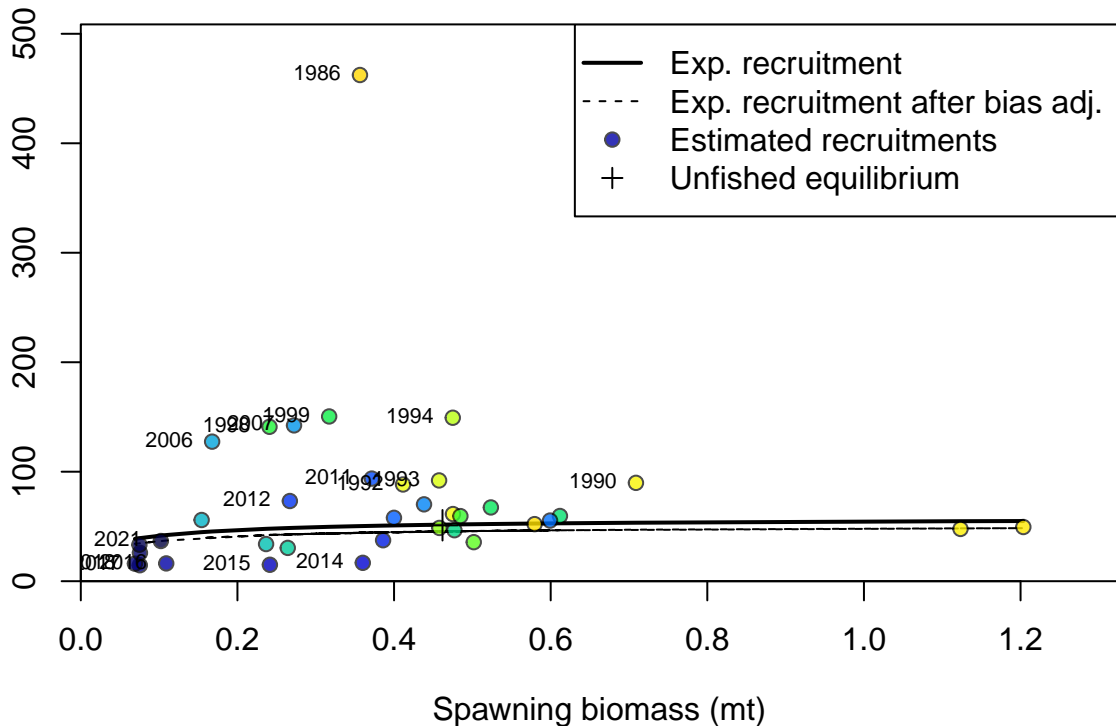




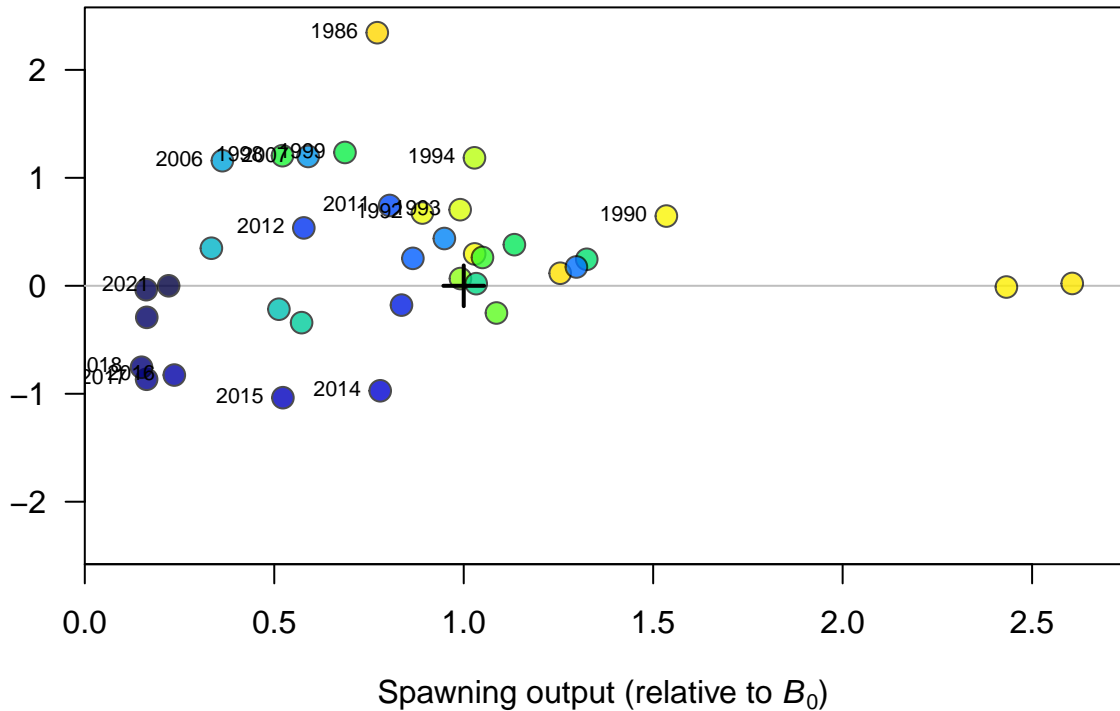


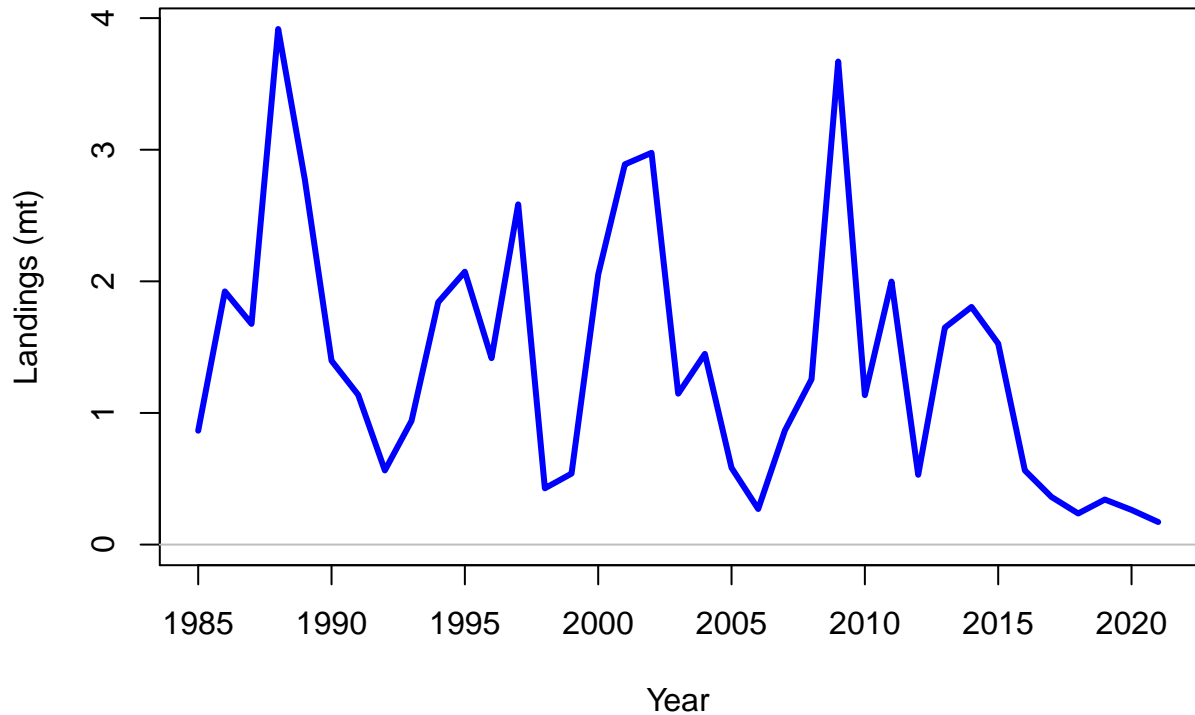


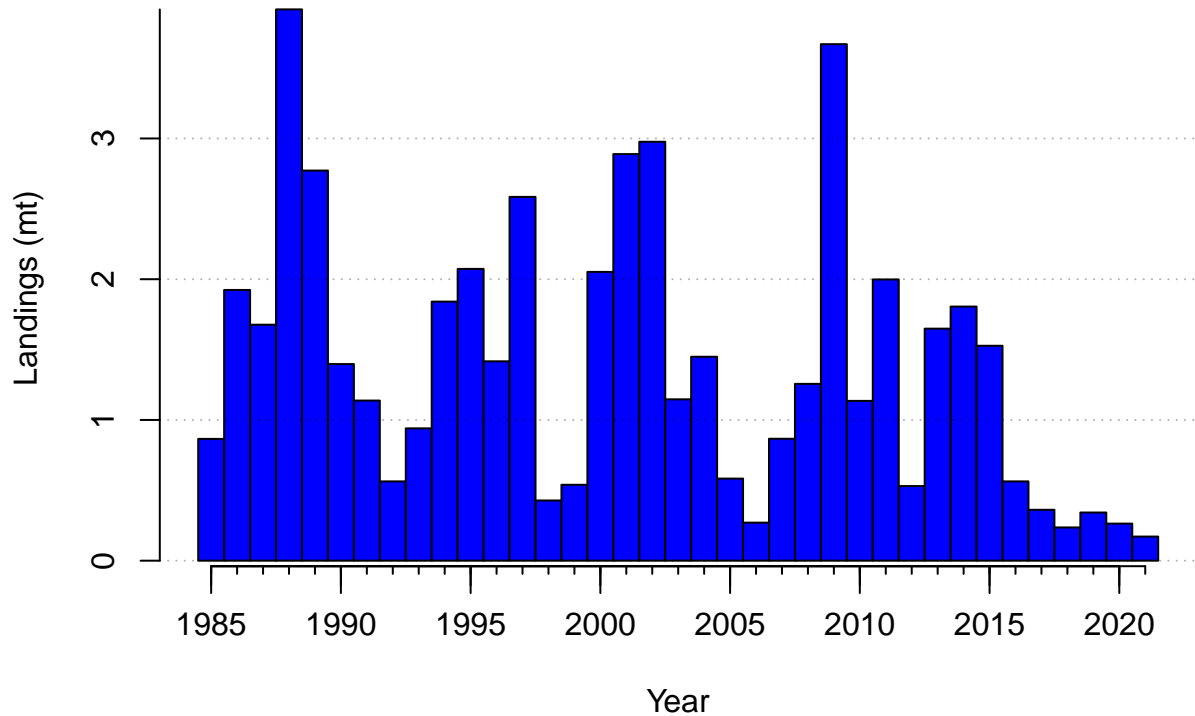
Recruitment (1,000s)



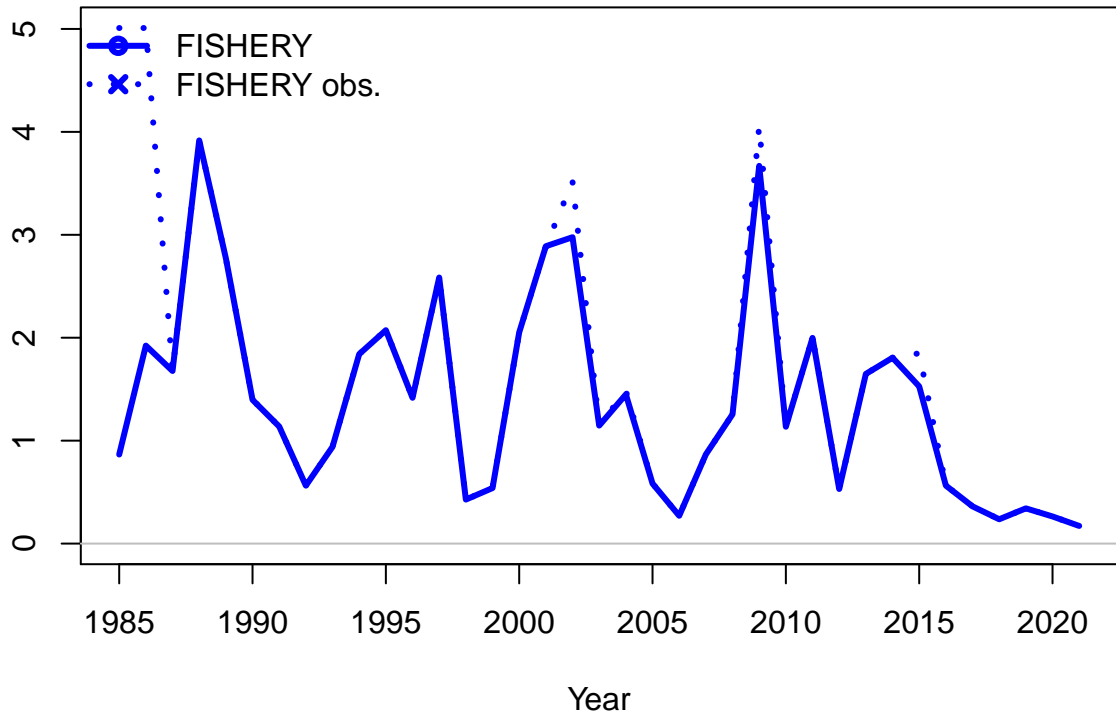
Log recruitment deviation

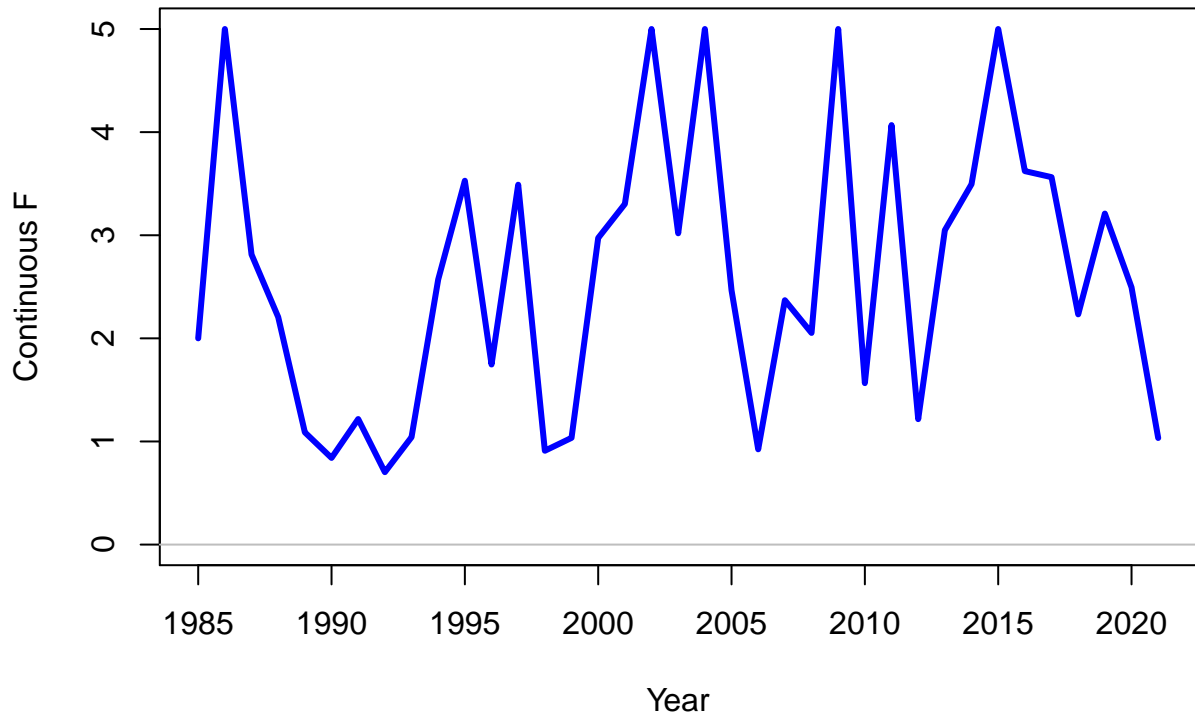






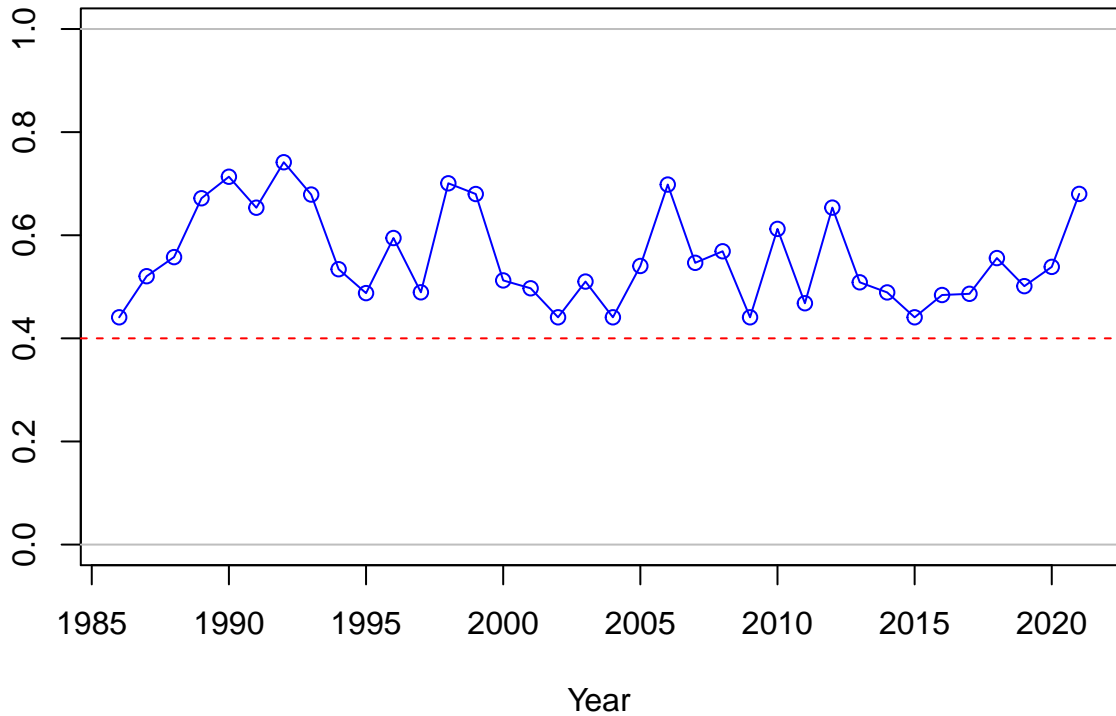
Observed and expected Landings (mt)



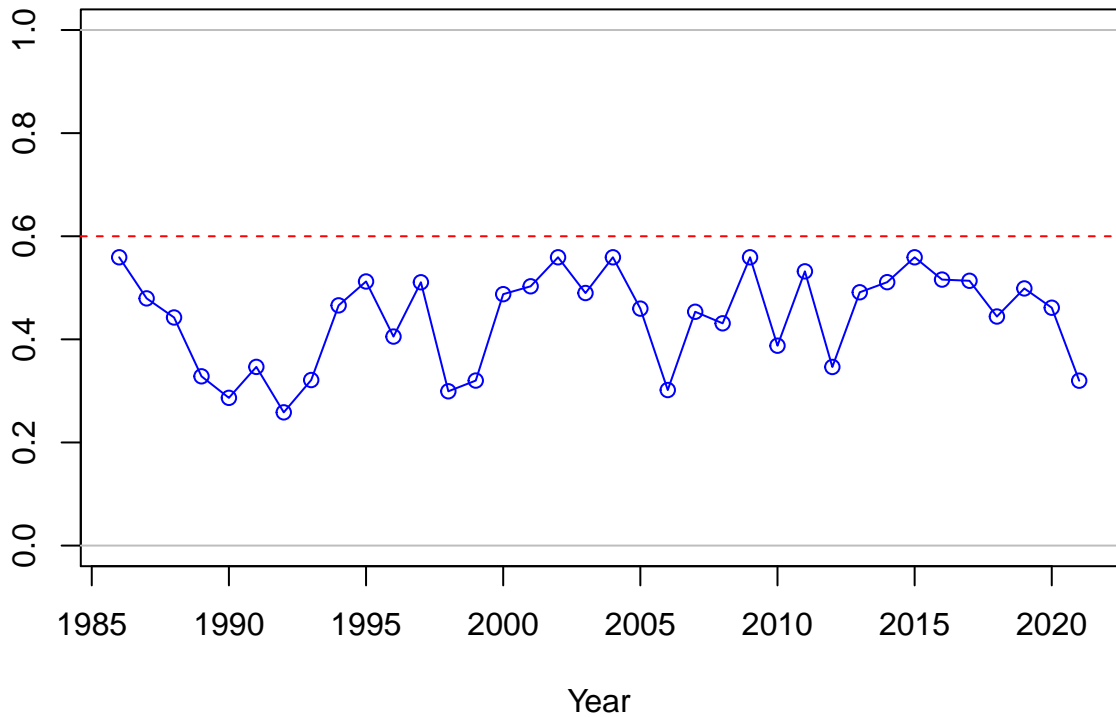




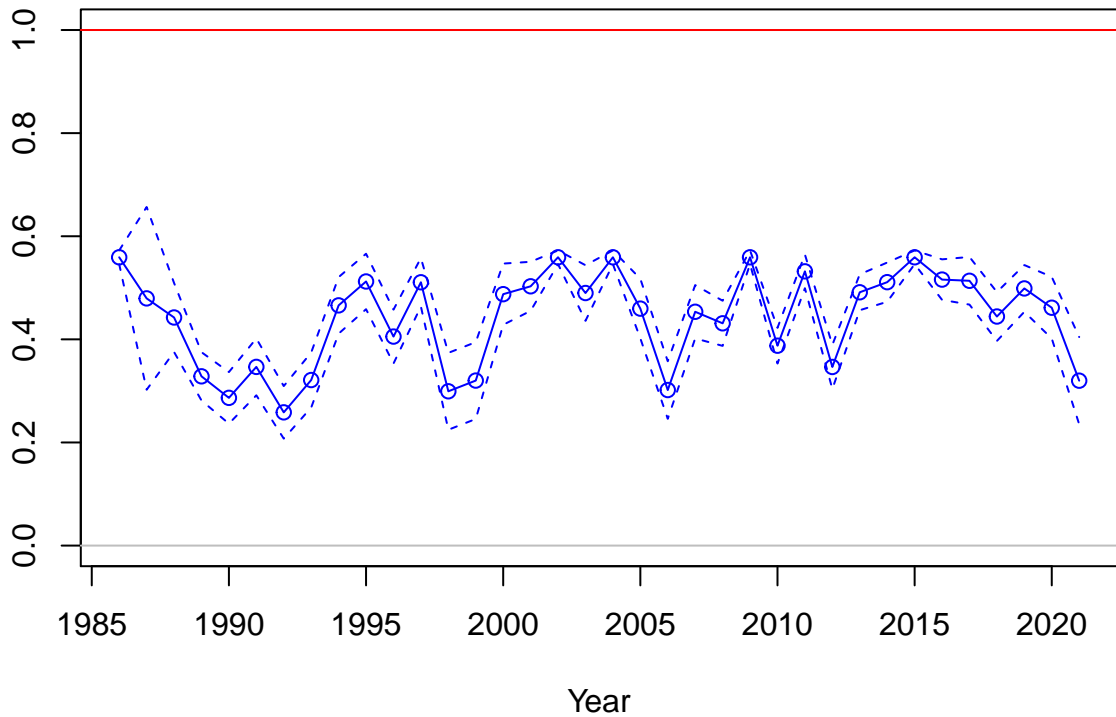
SPR



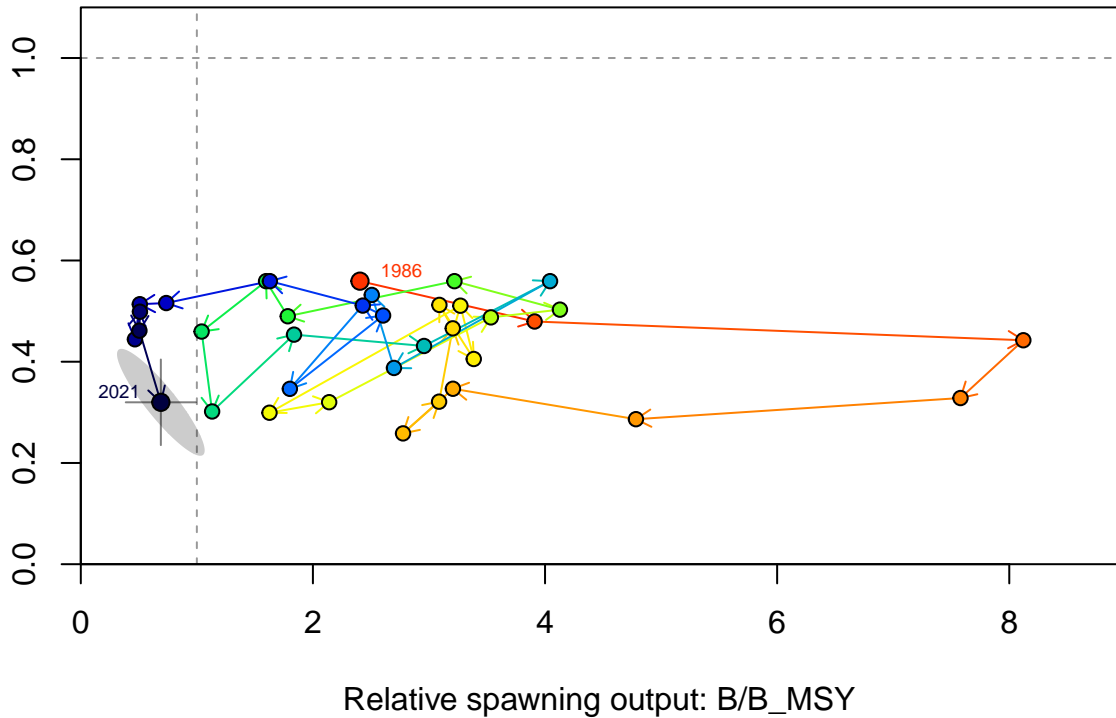
1-SPR



Fishing intensity: 1-SPR



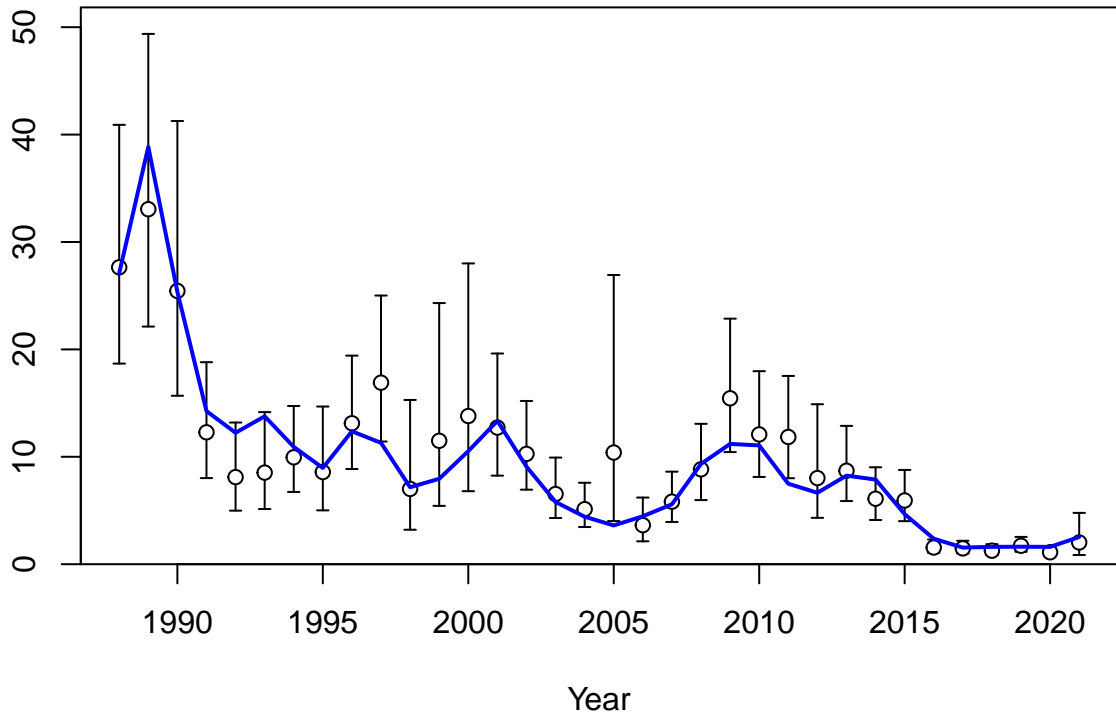
Fishing intensity: 1-SPR



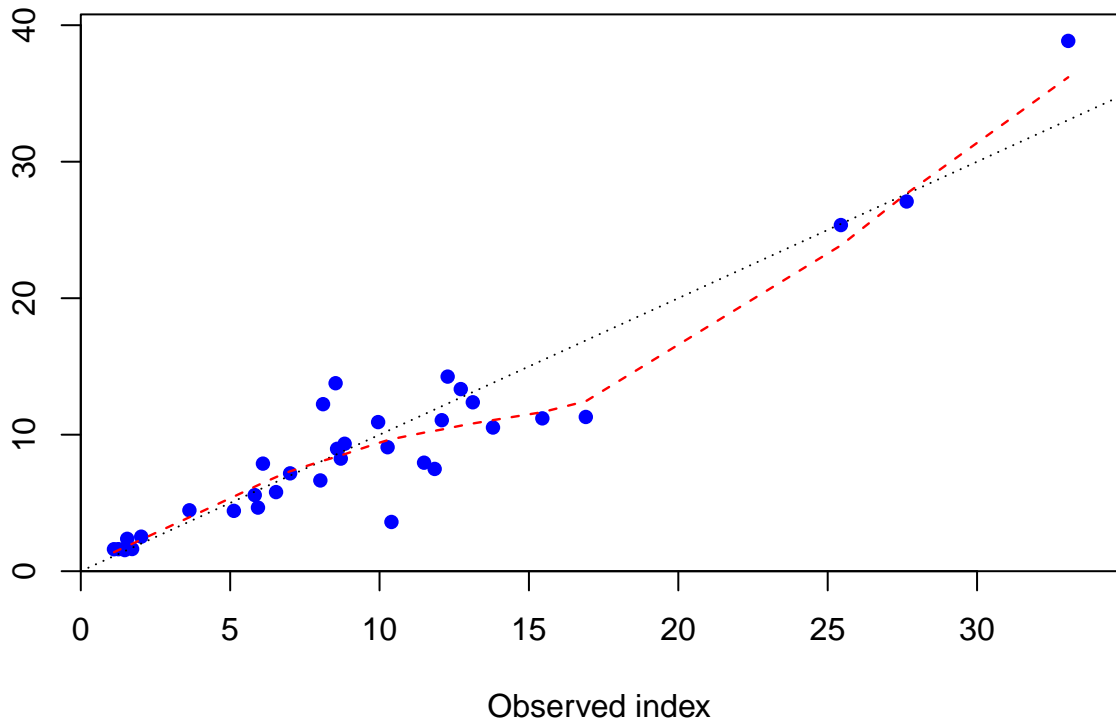
Index



Index



Expected index

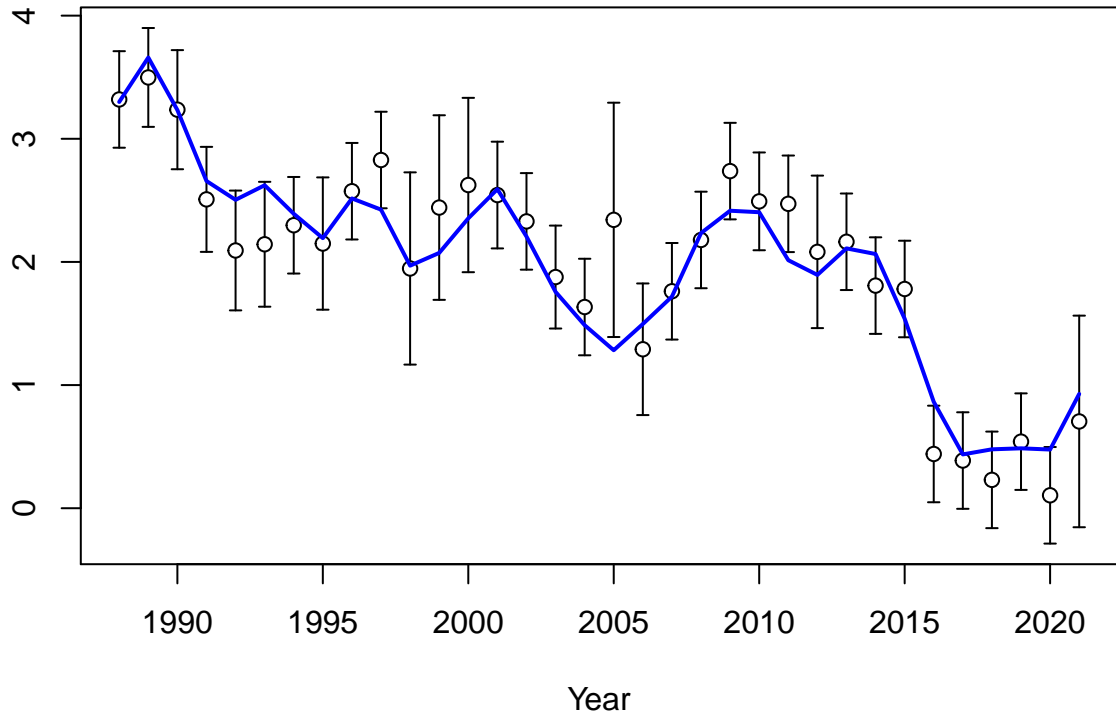


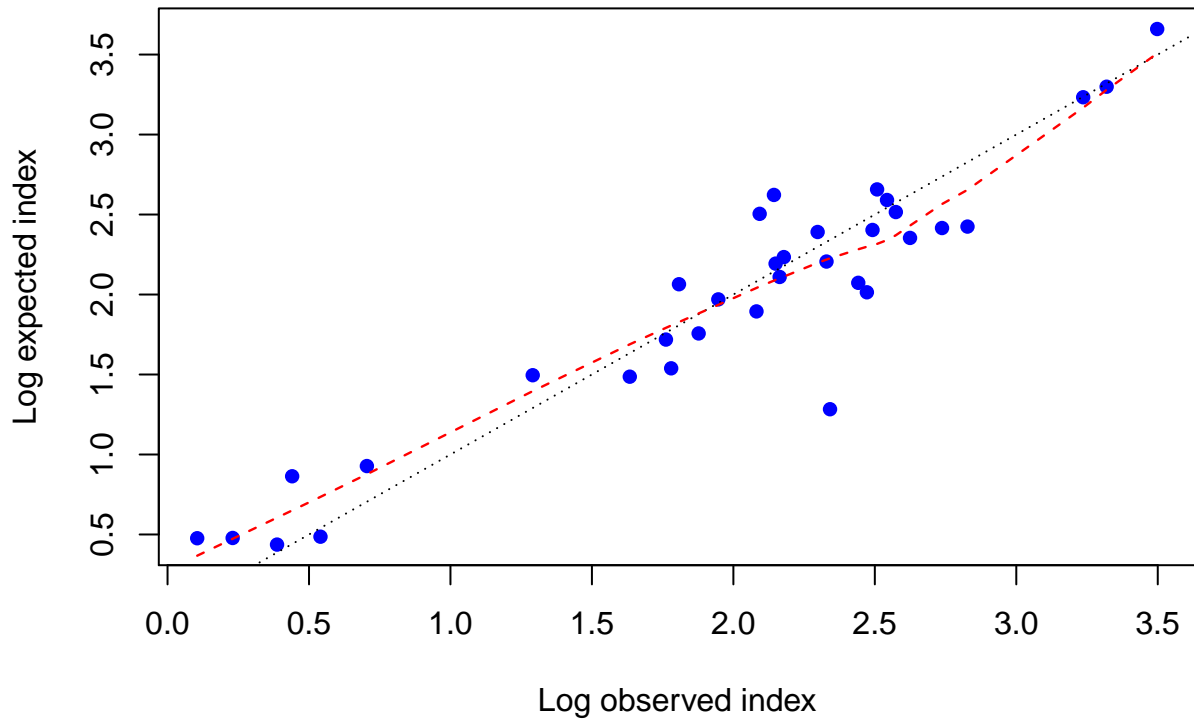
Log index

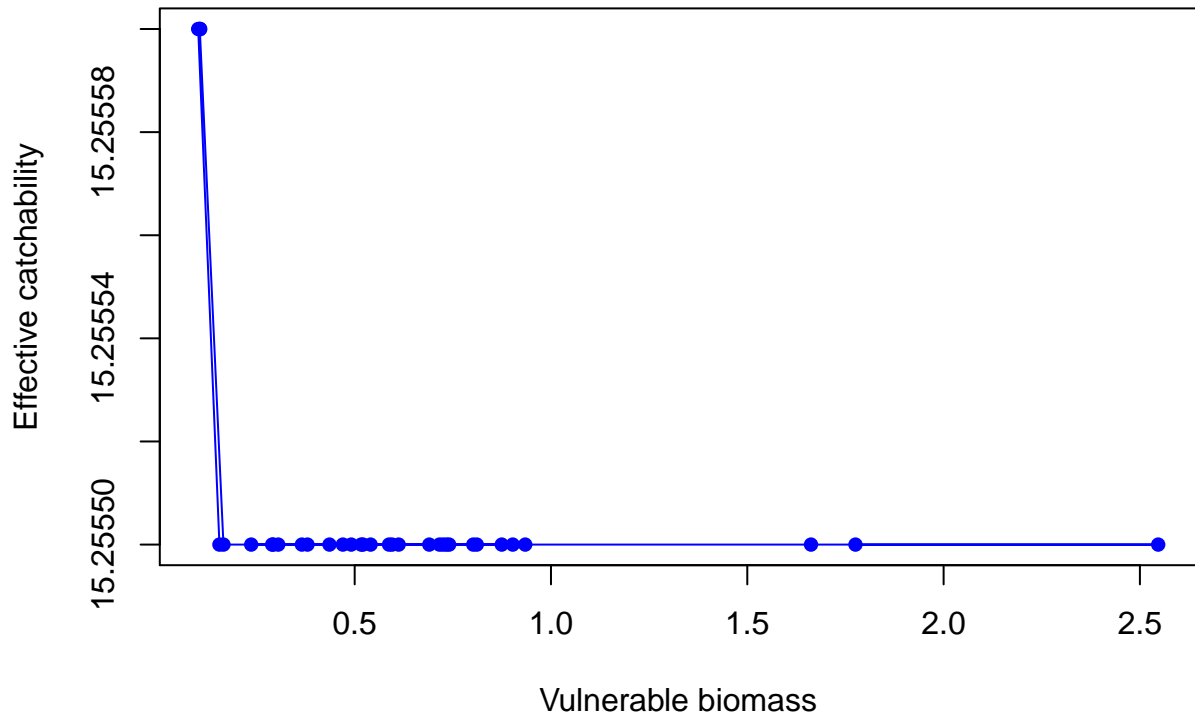


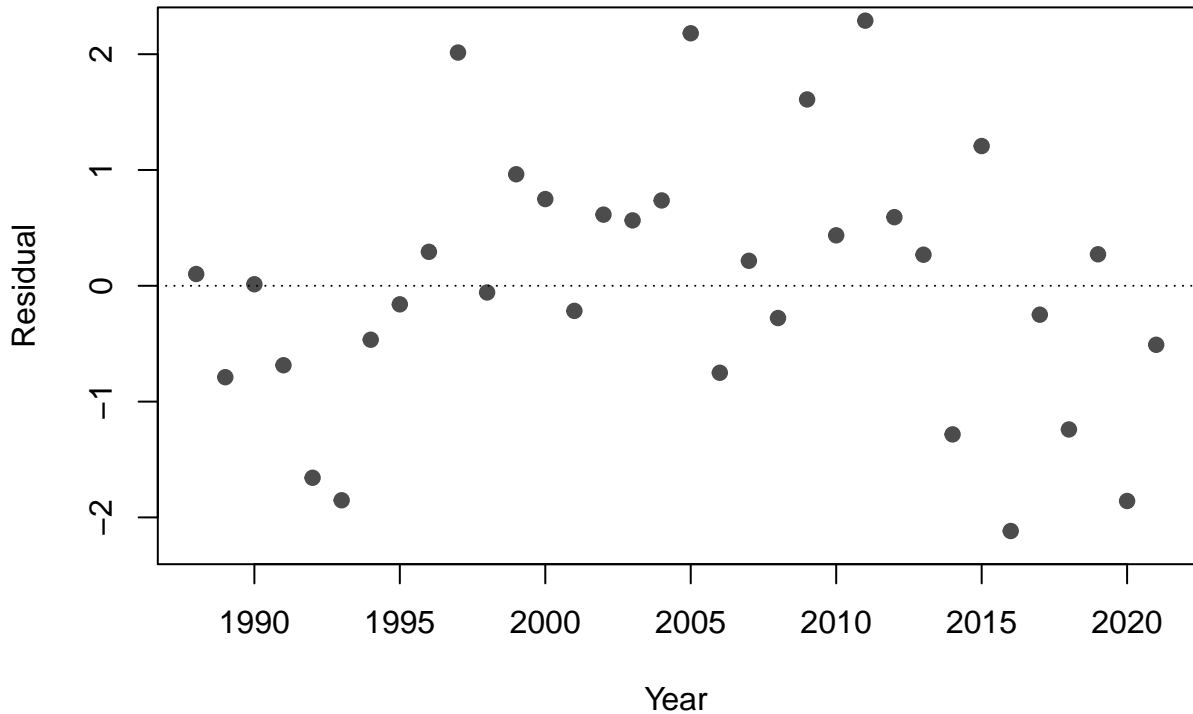


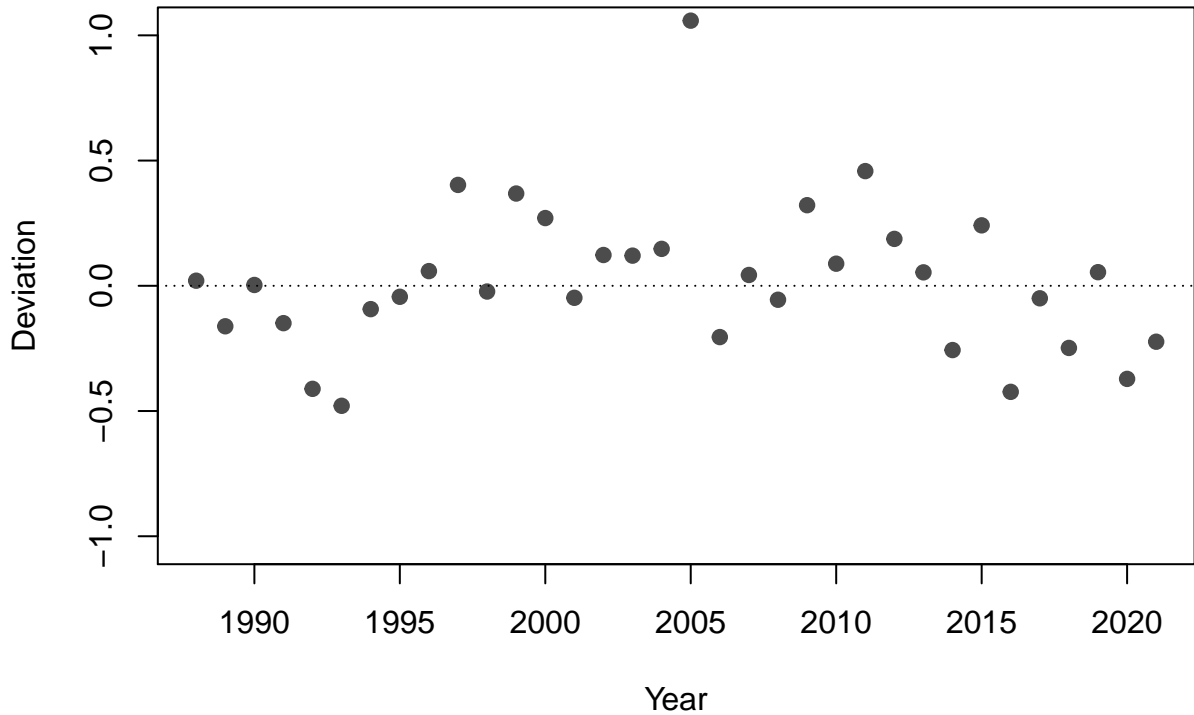
Log index

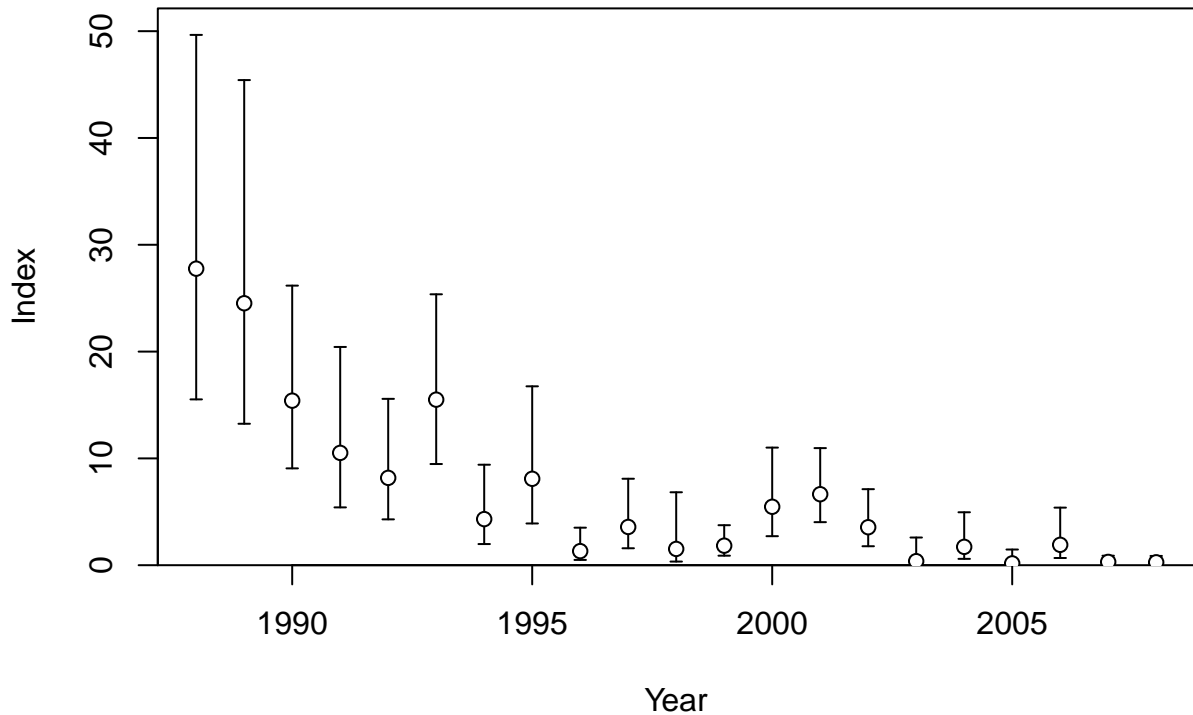


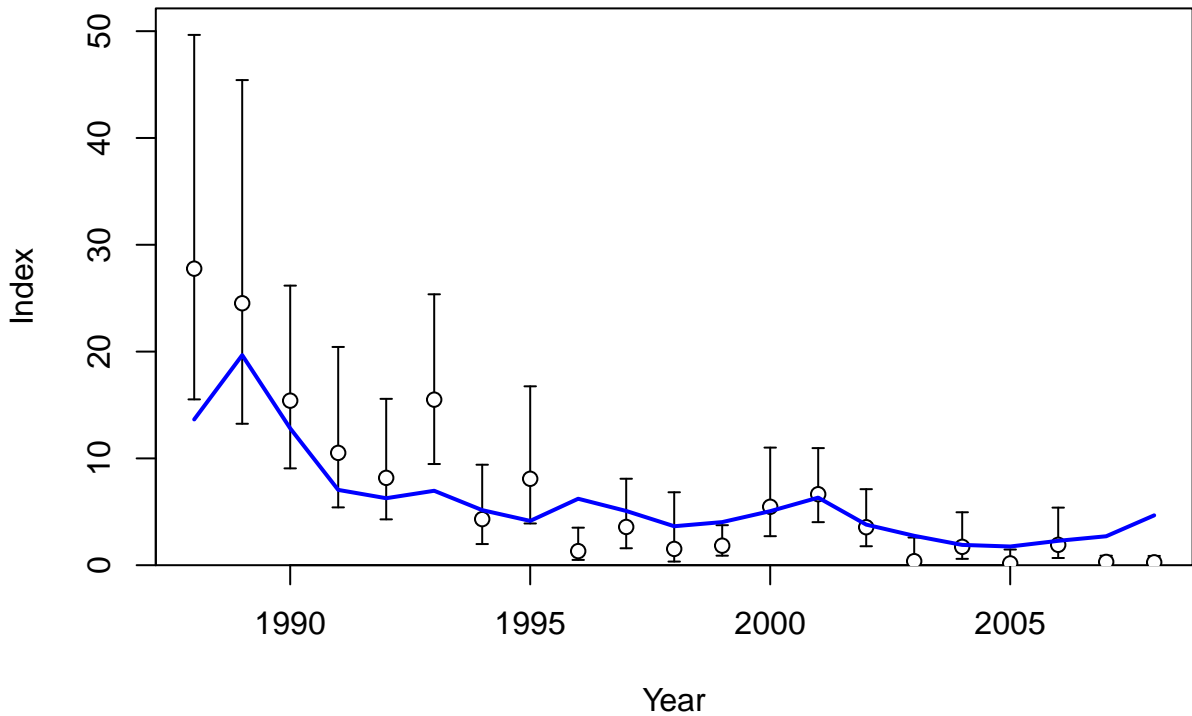


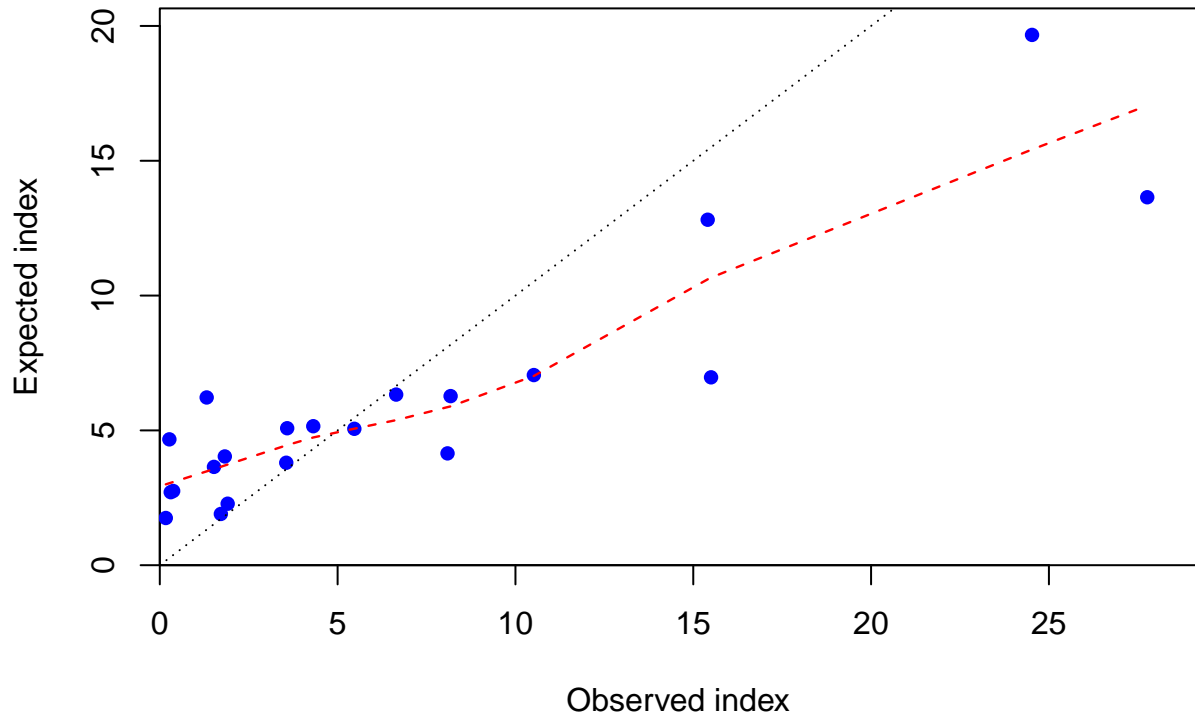






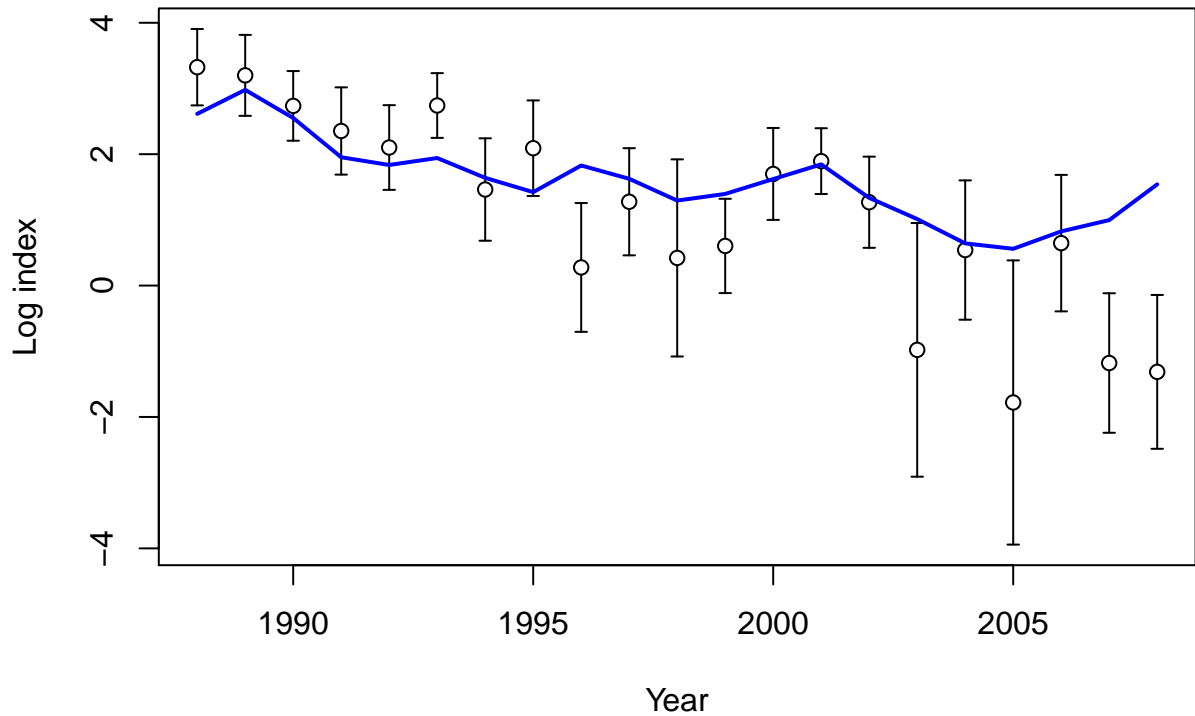


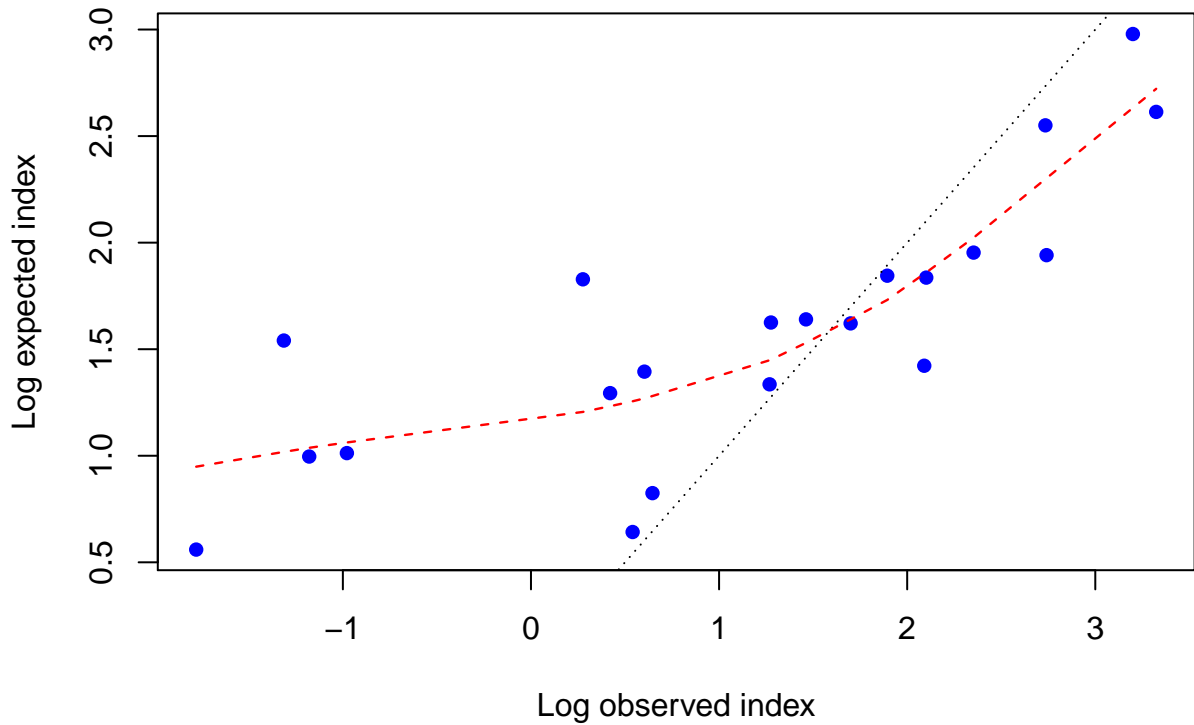




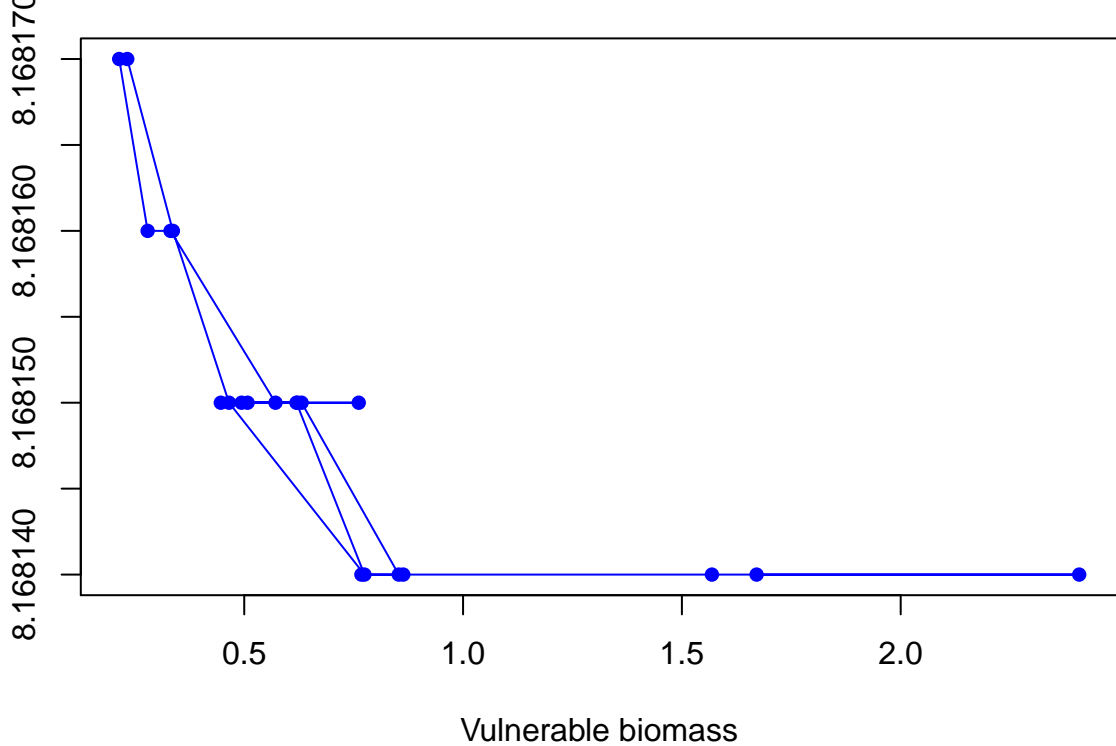


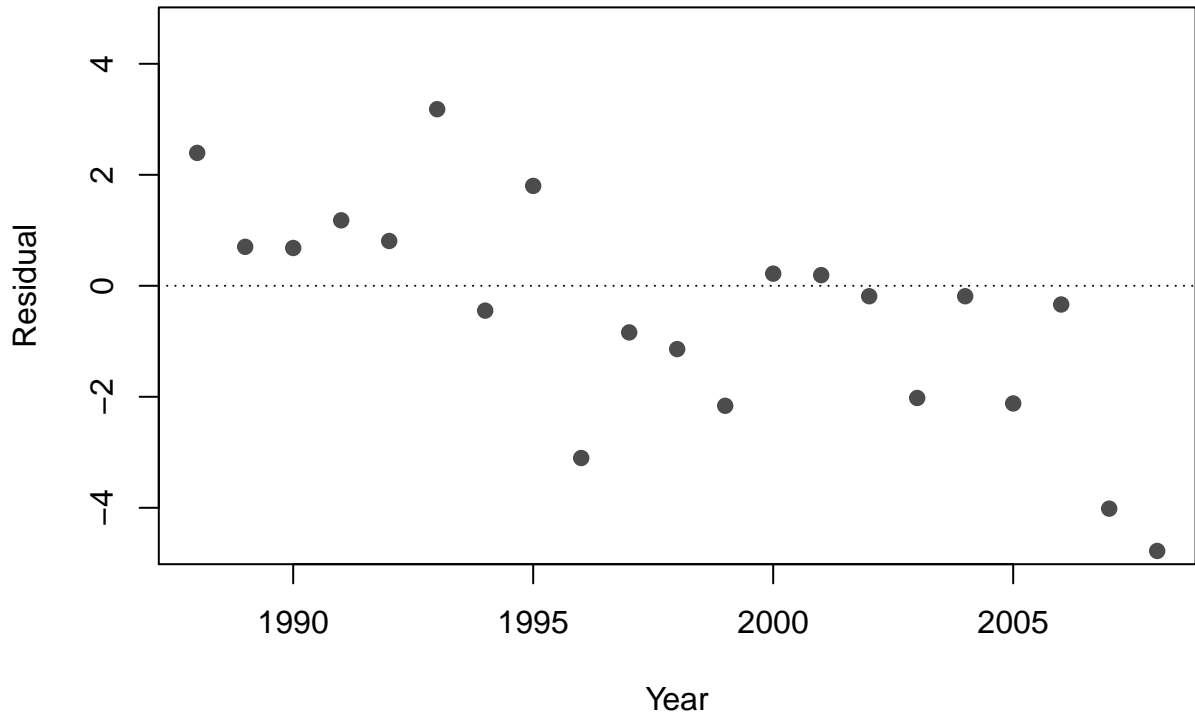


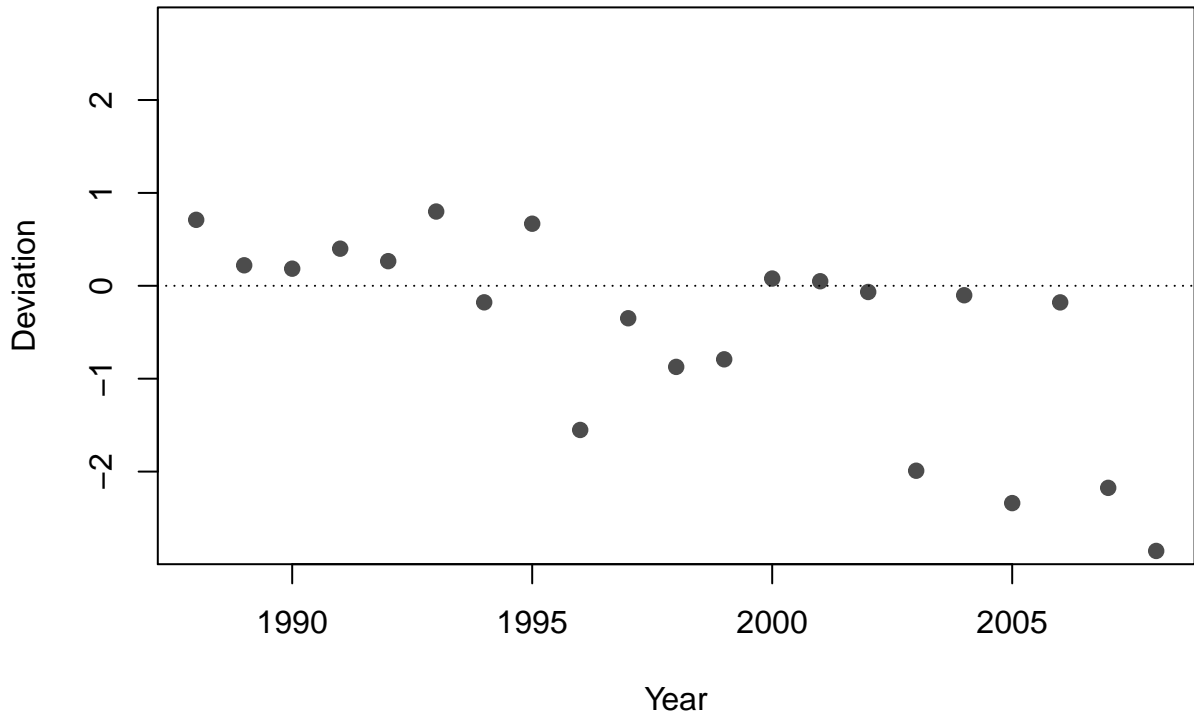




Effective catchability

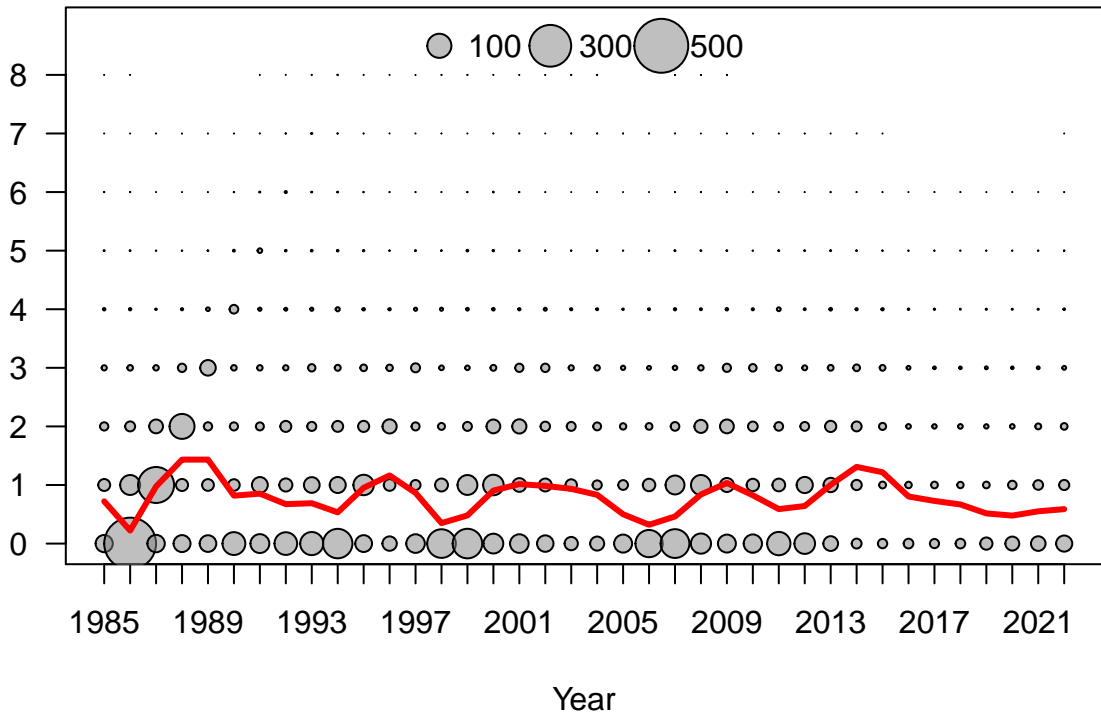






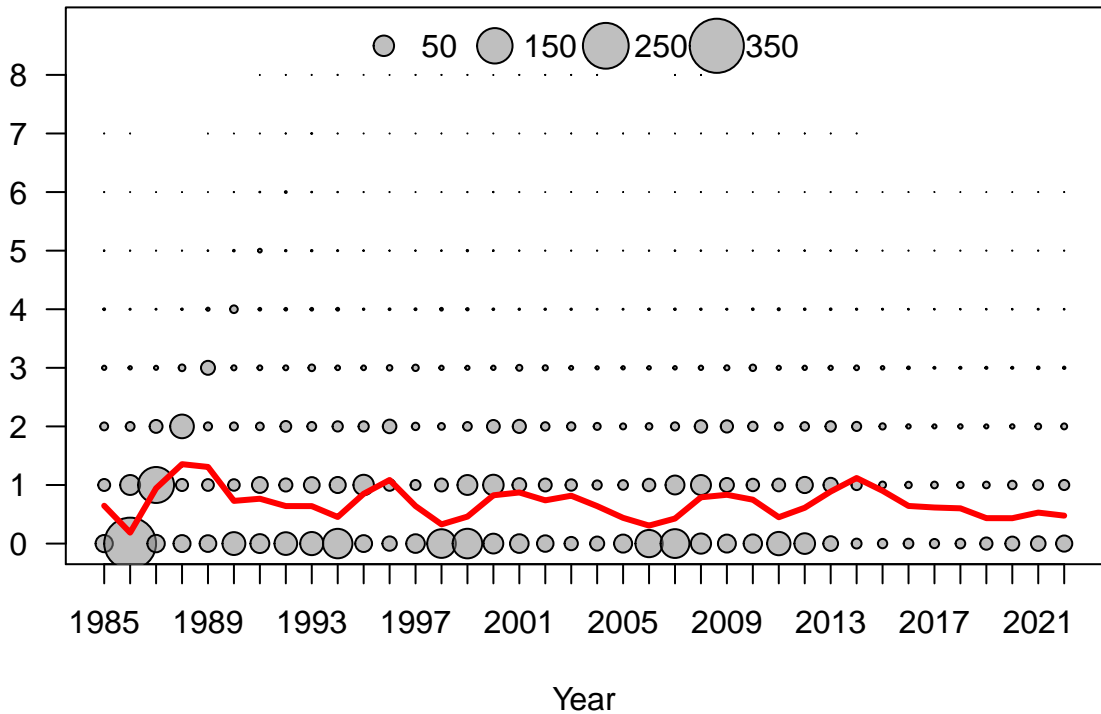


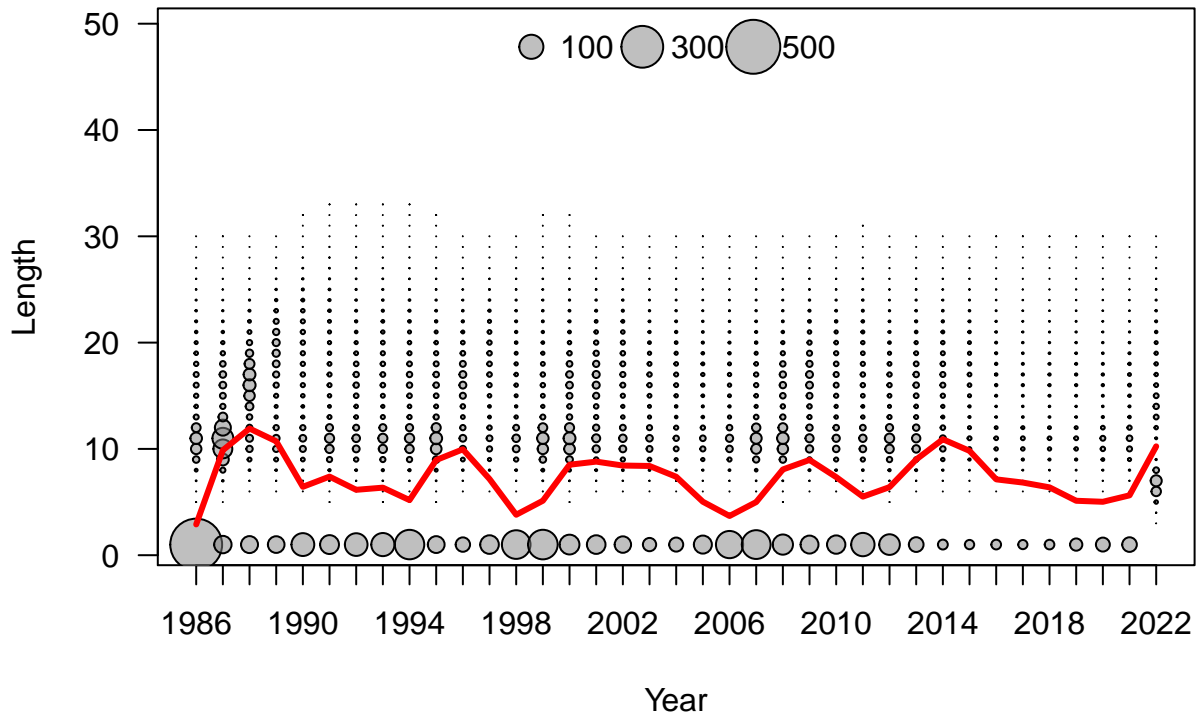
Age



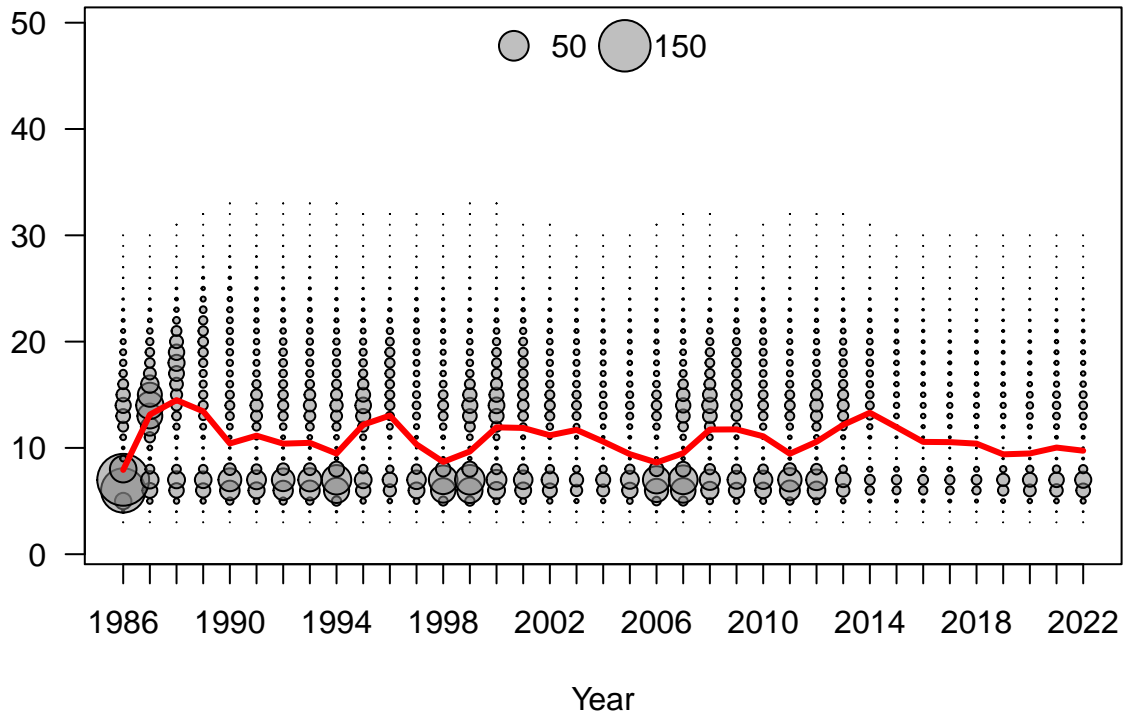


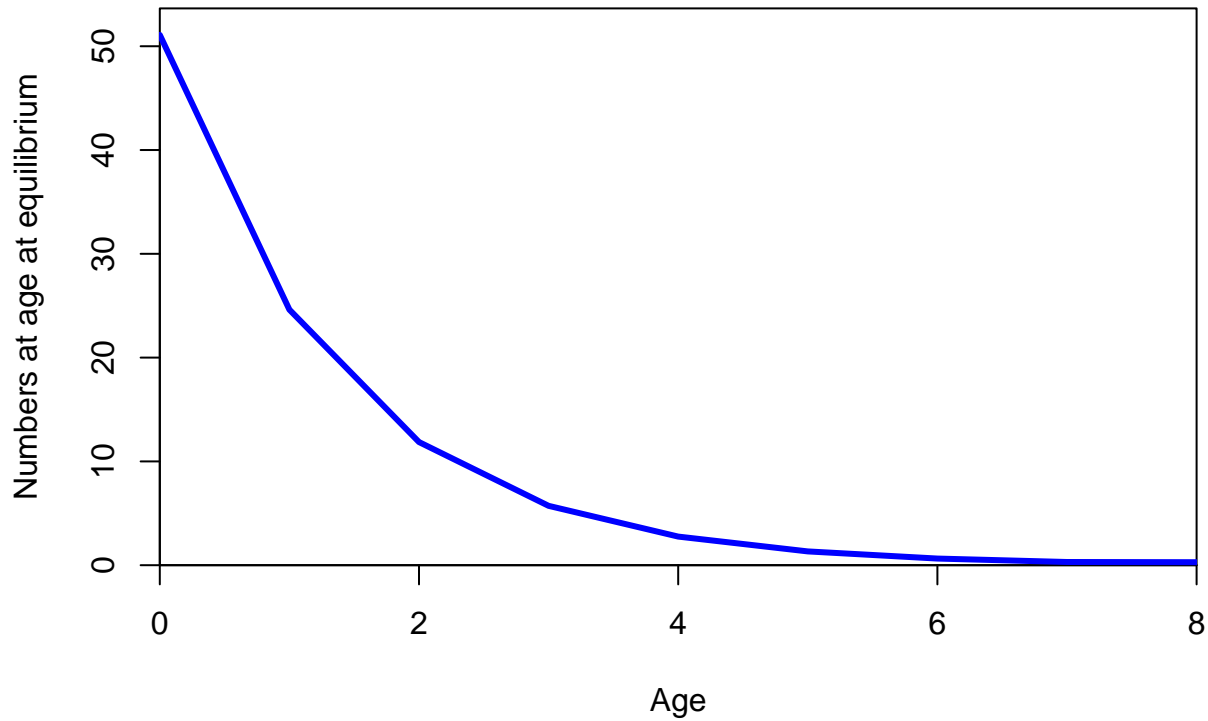
Age





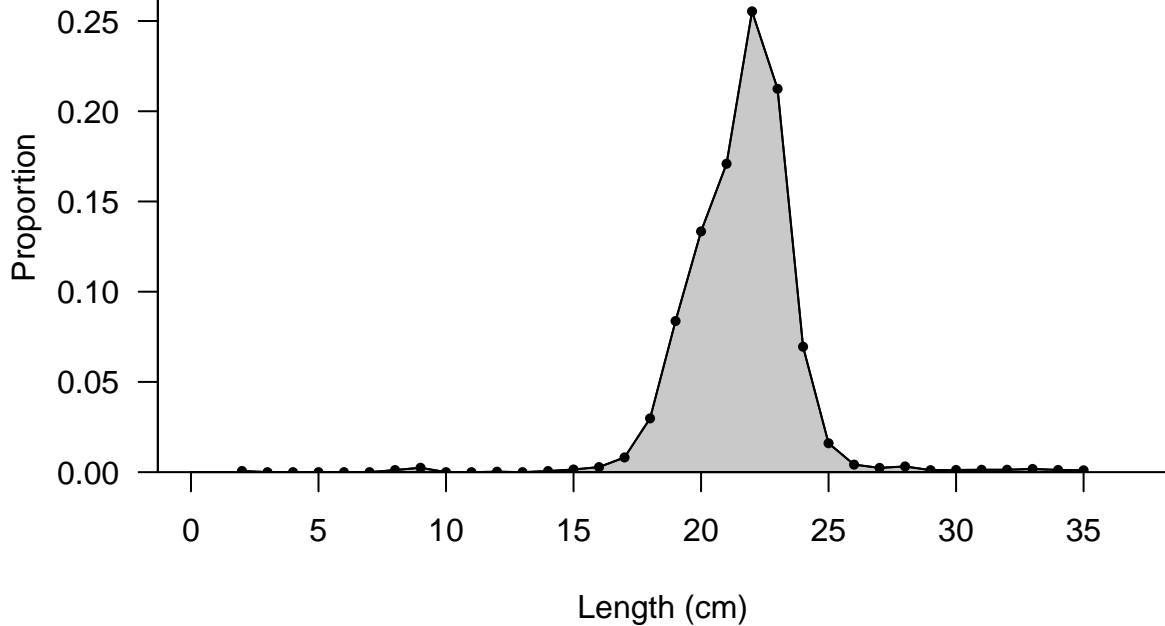
Length

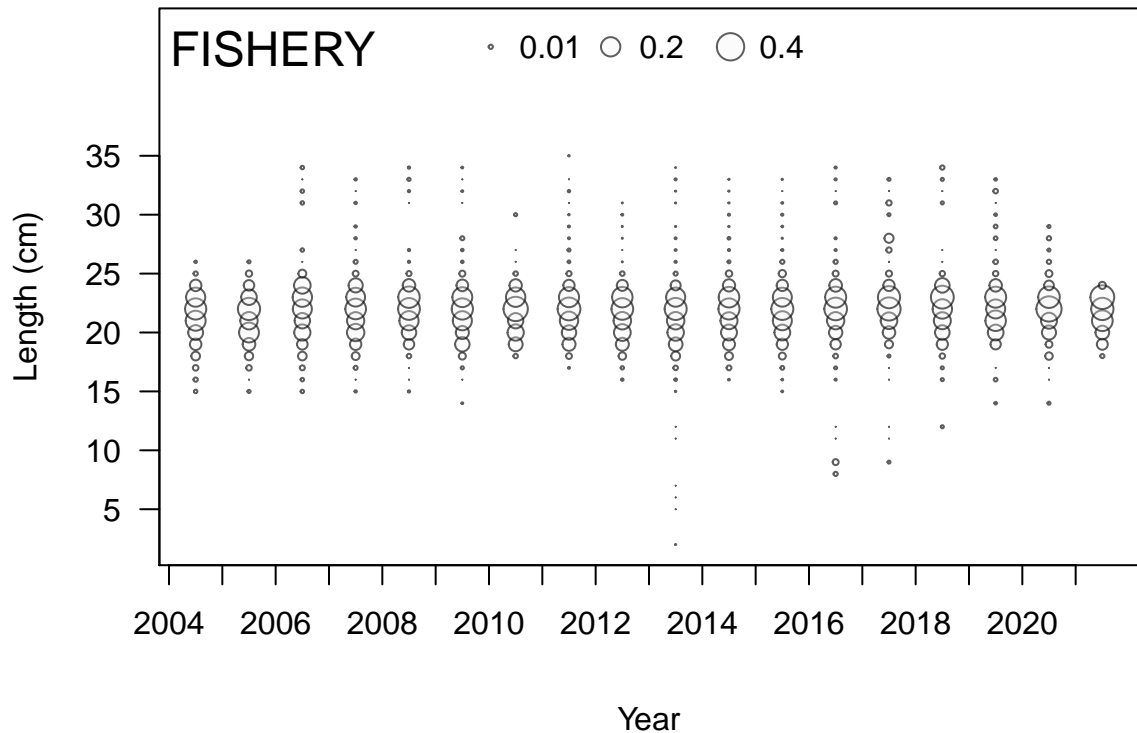


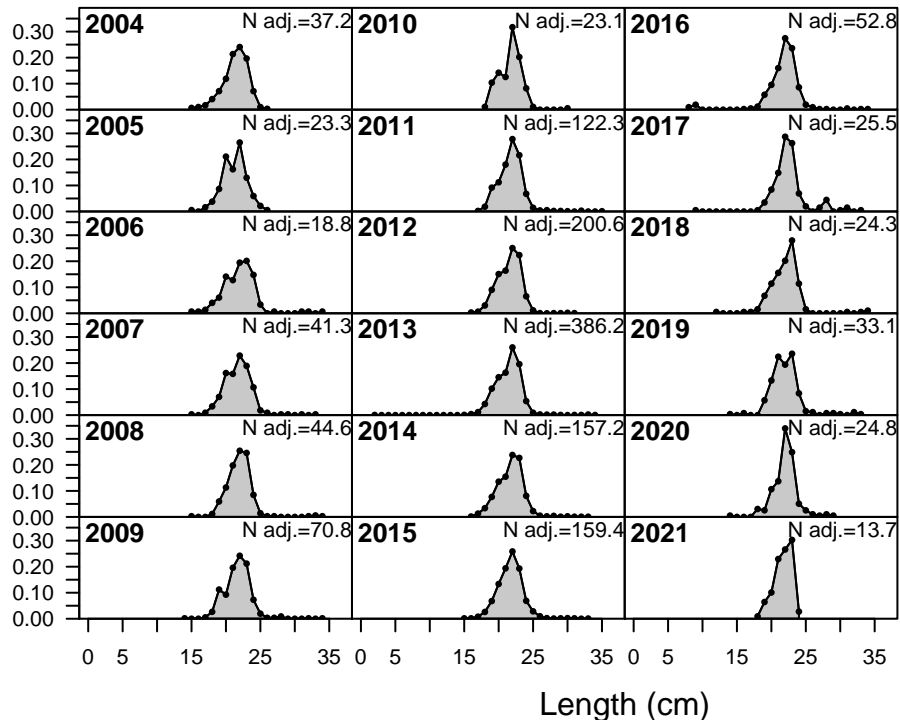


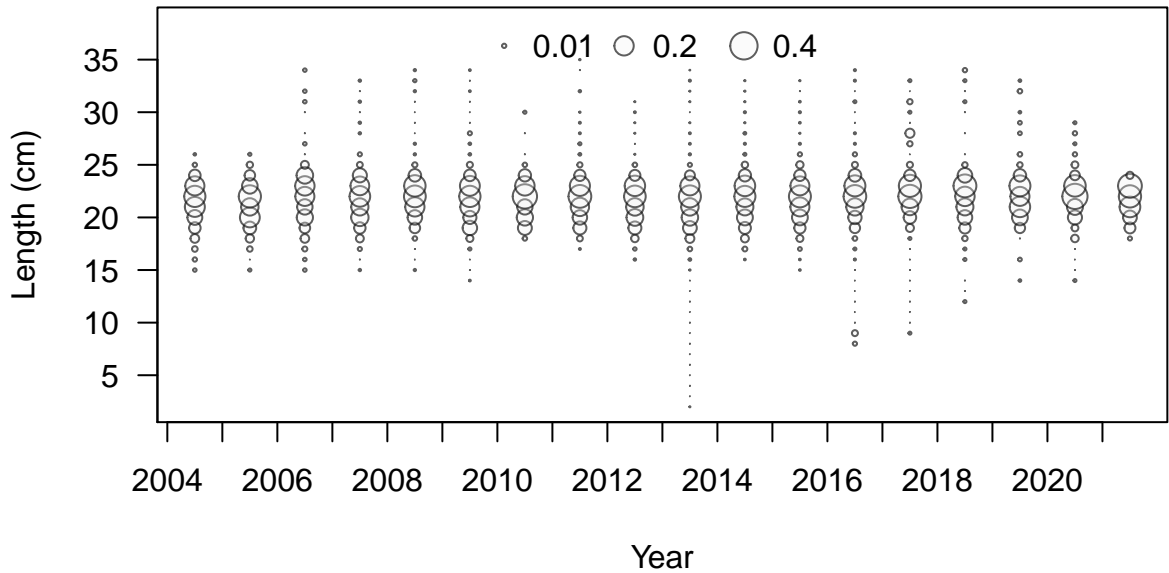
# FISHERY

Sum of N adj.=1459.1



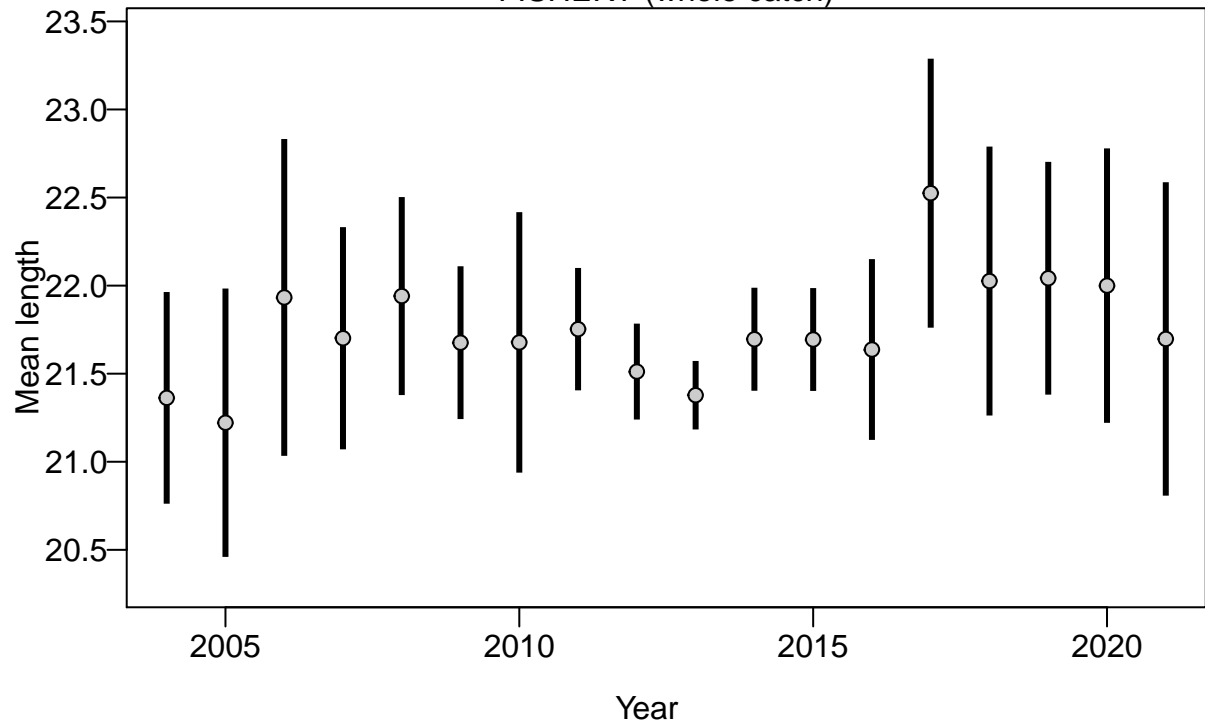


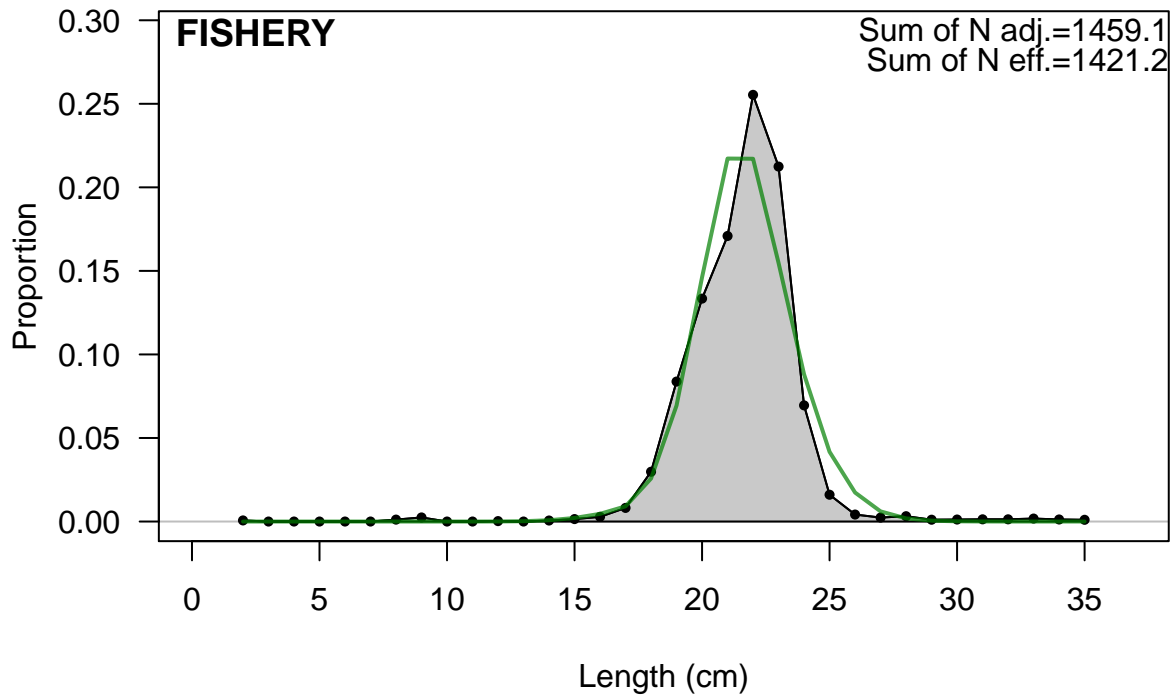


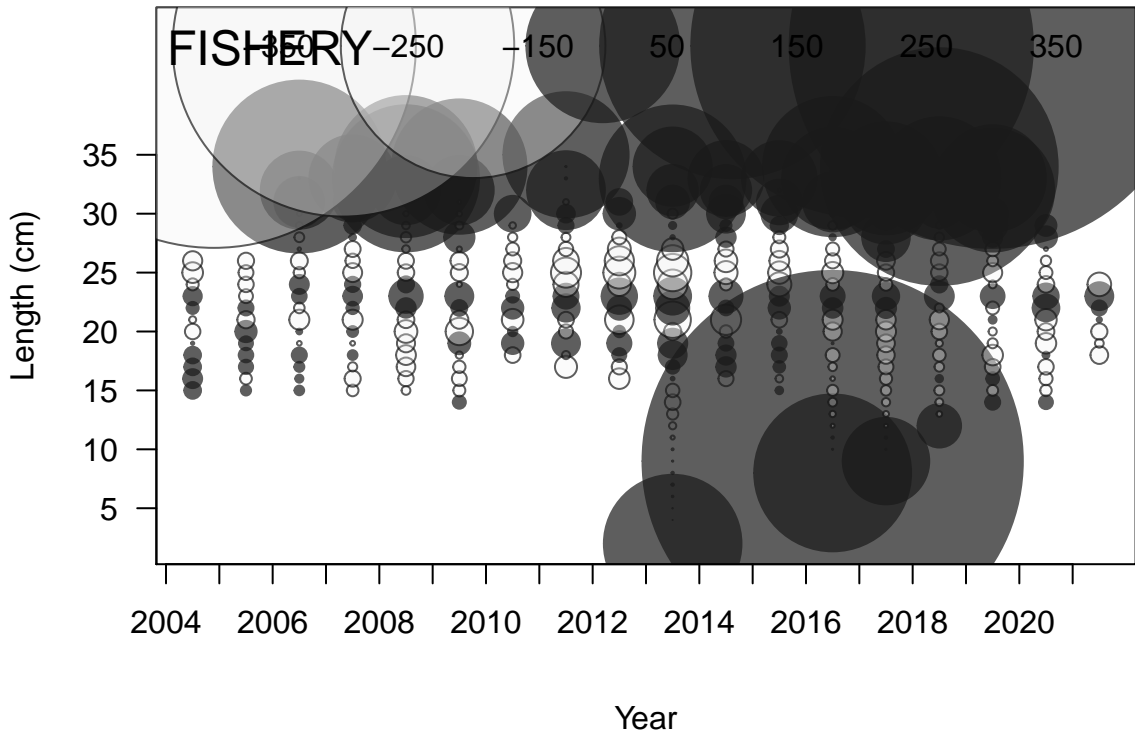


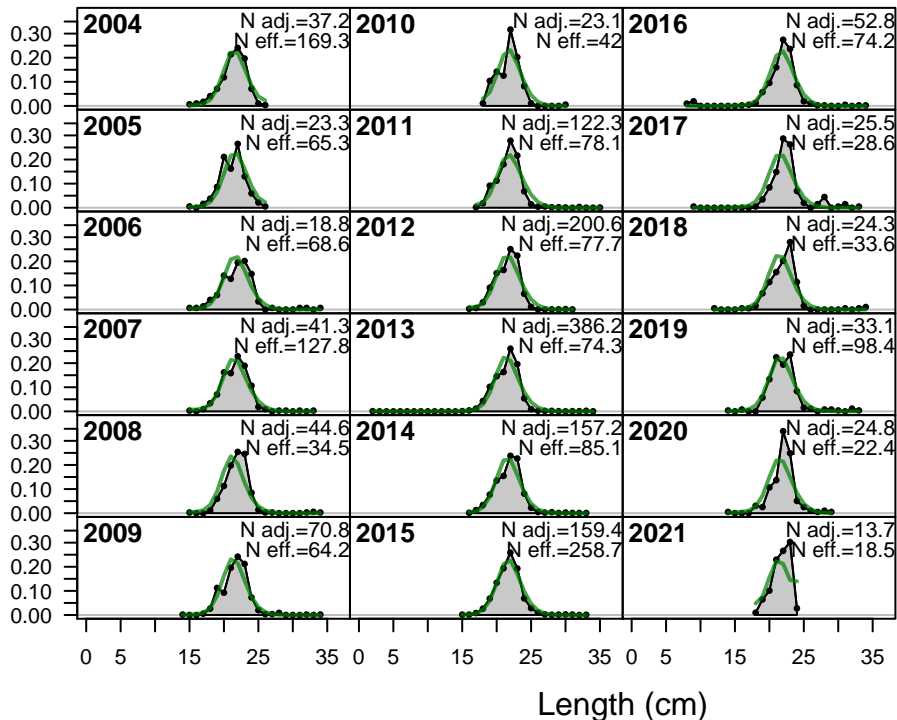


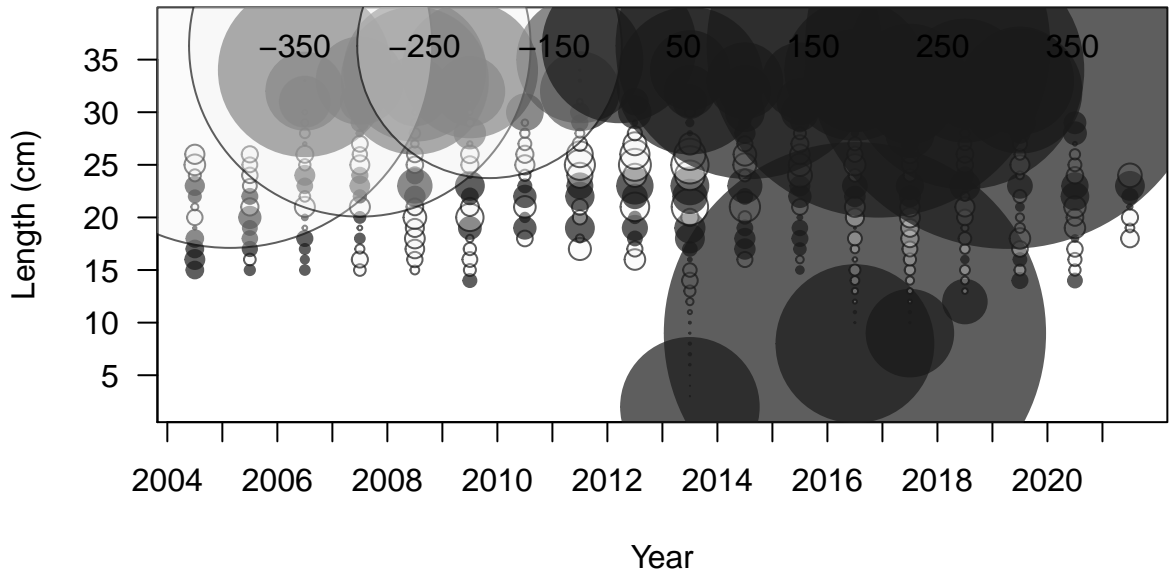
FISHERY (whole catch)



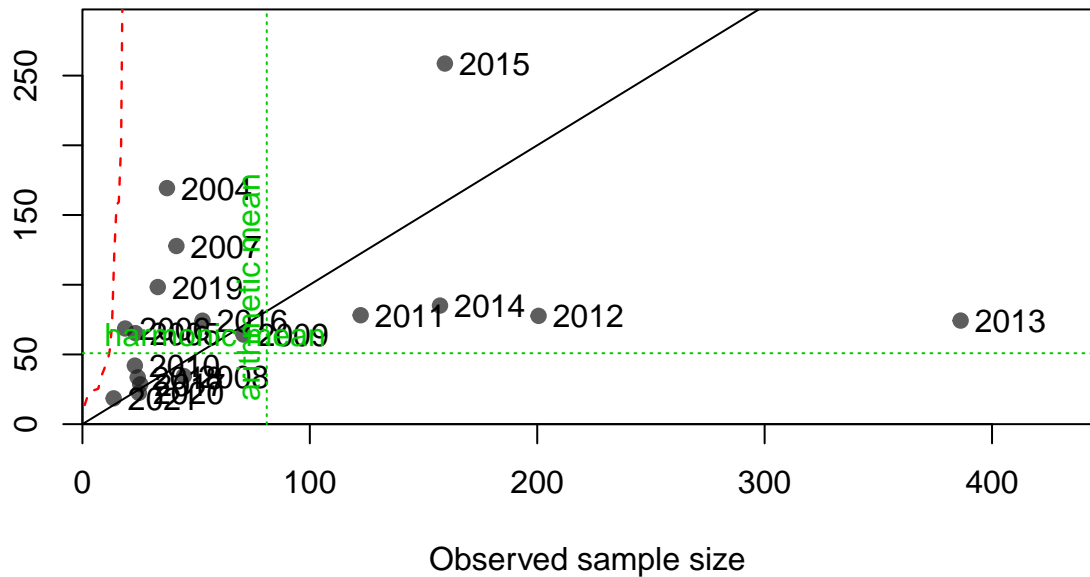




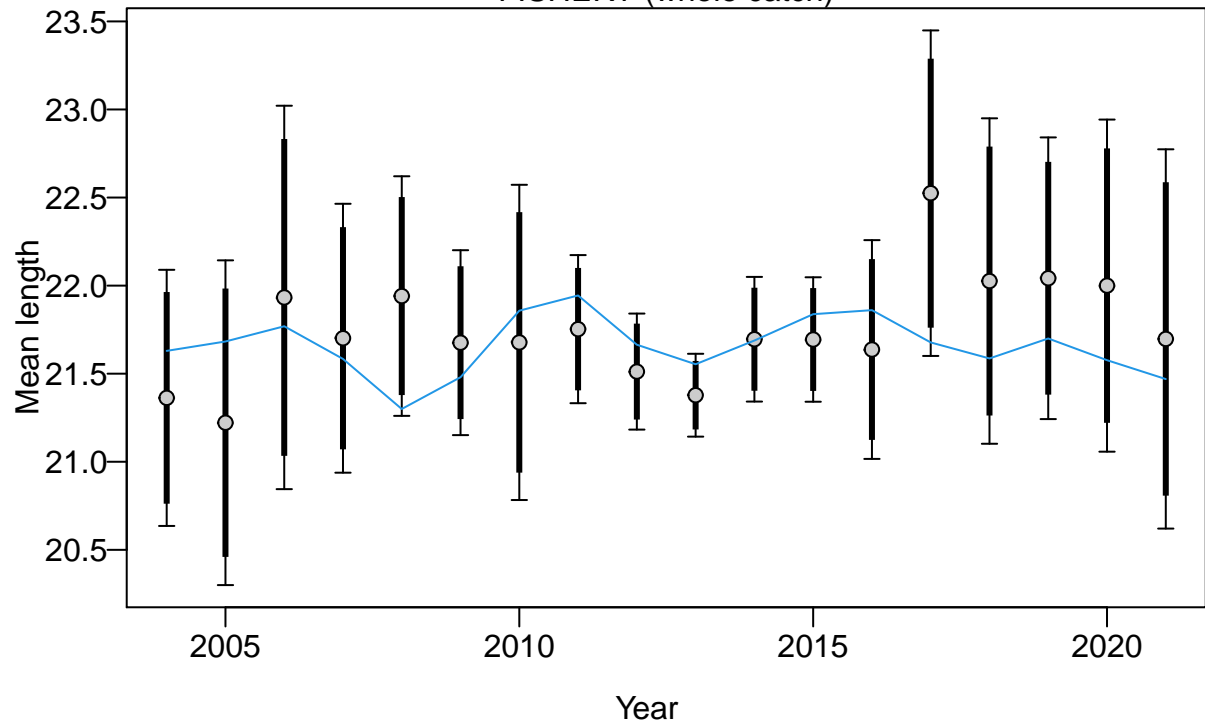


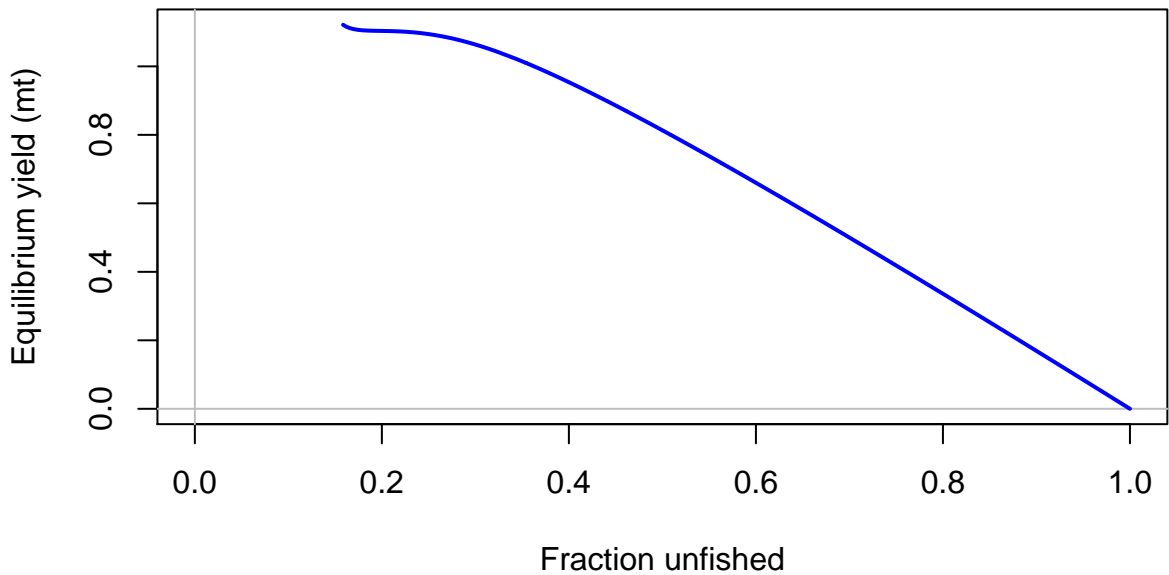


Effective sample size

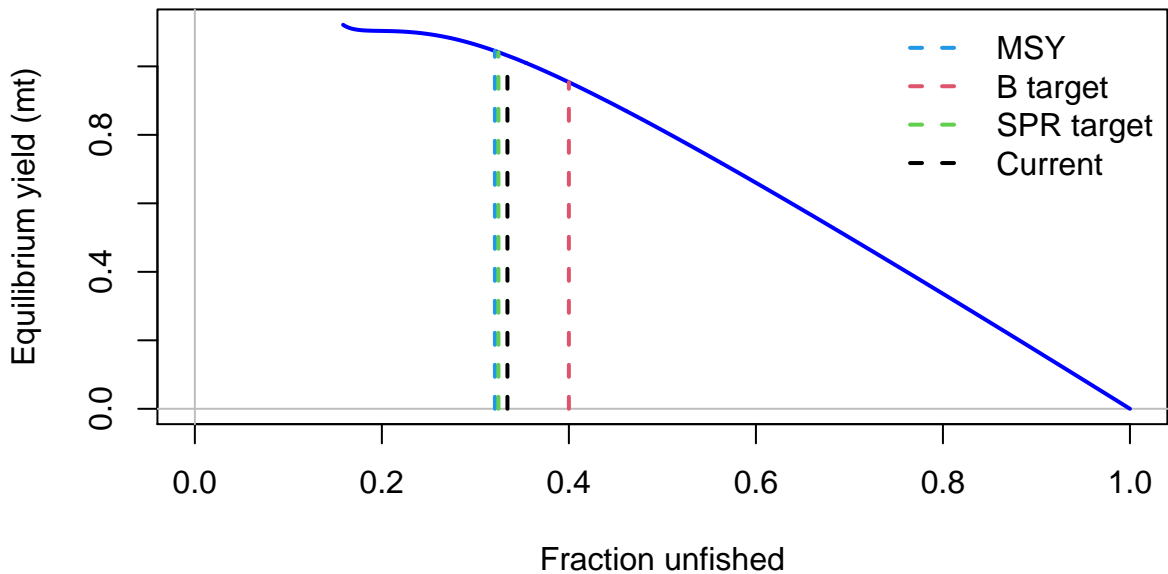


FISHERY (whole catch)

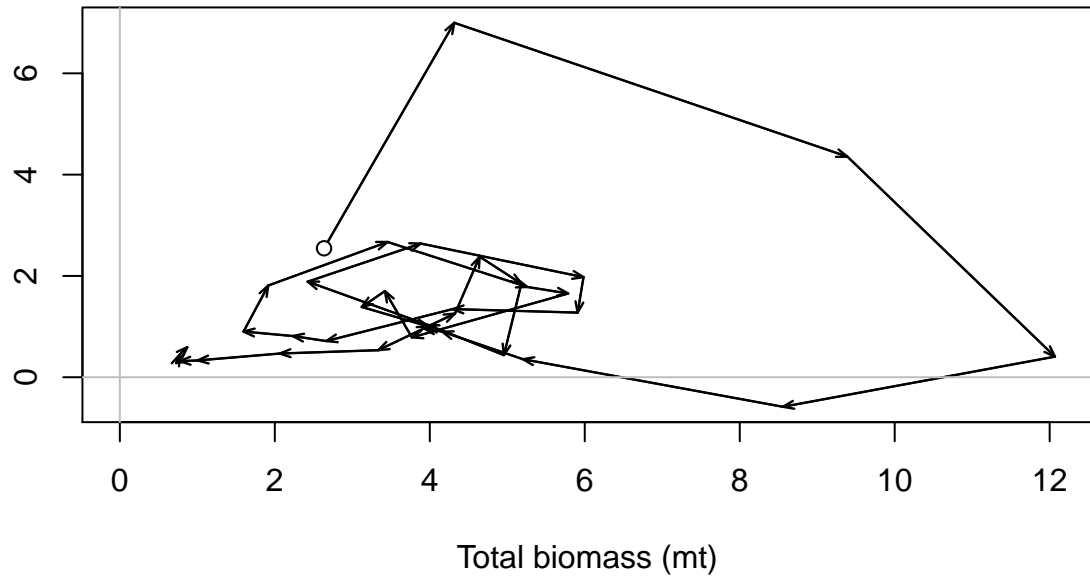


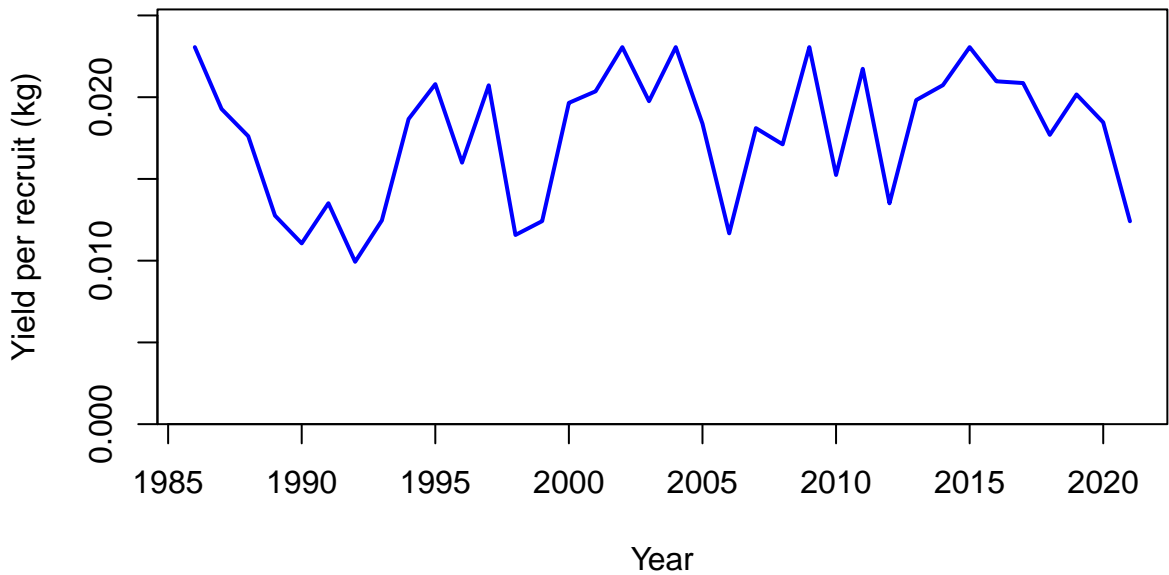


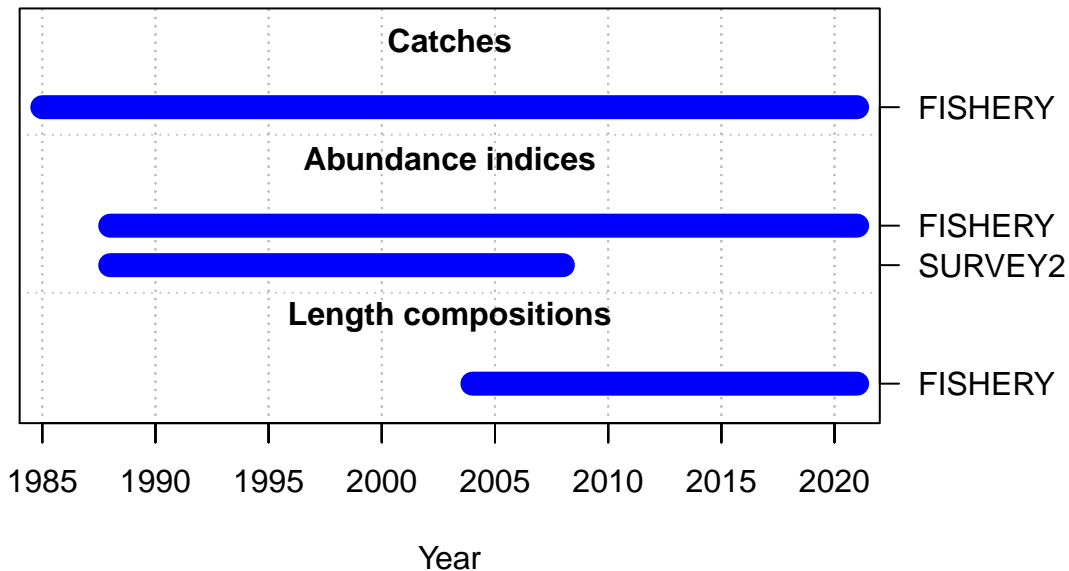


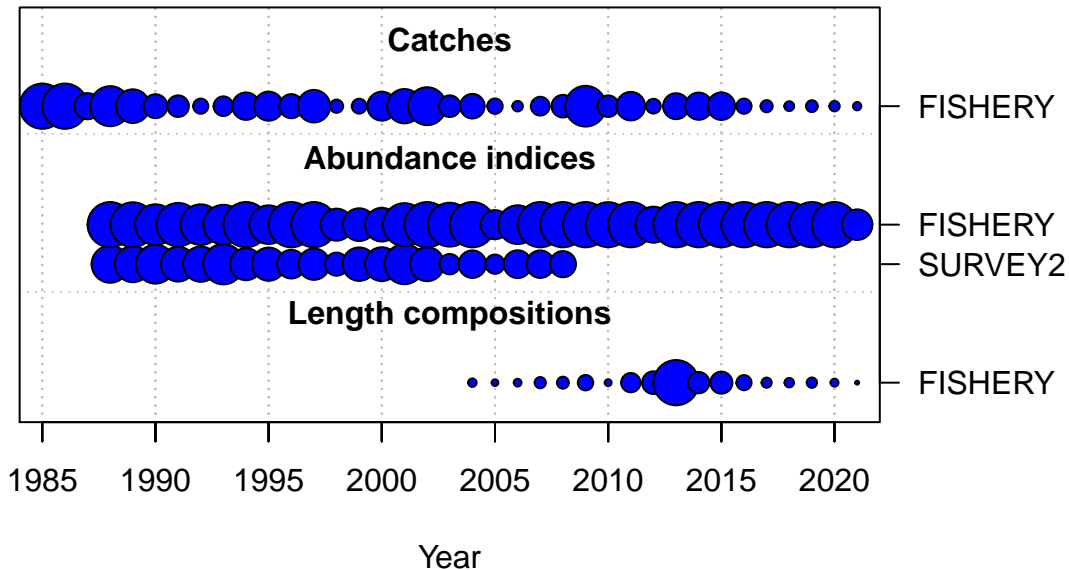


Surplus production (mt)

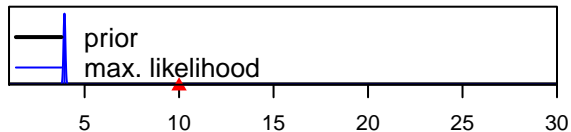




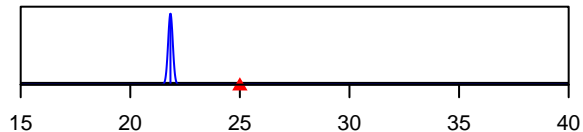




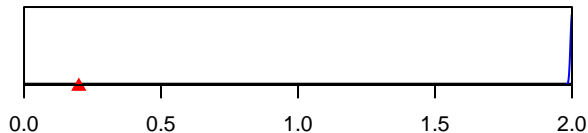
SR\_LN(R0)



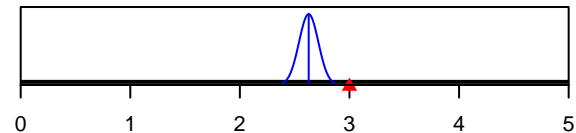
Size\_inflection\_FISHERY(1)



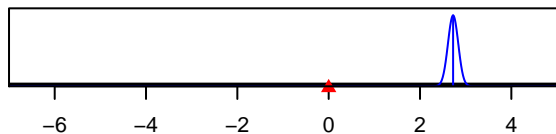
InitF\_seas\_1flt\_1FISHERY



Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)

