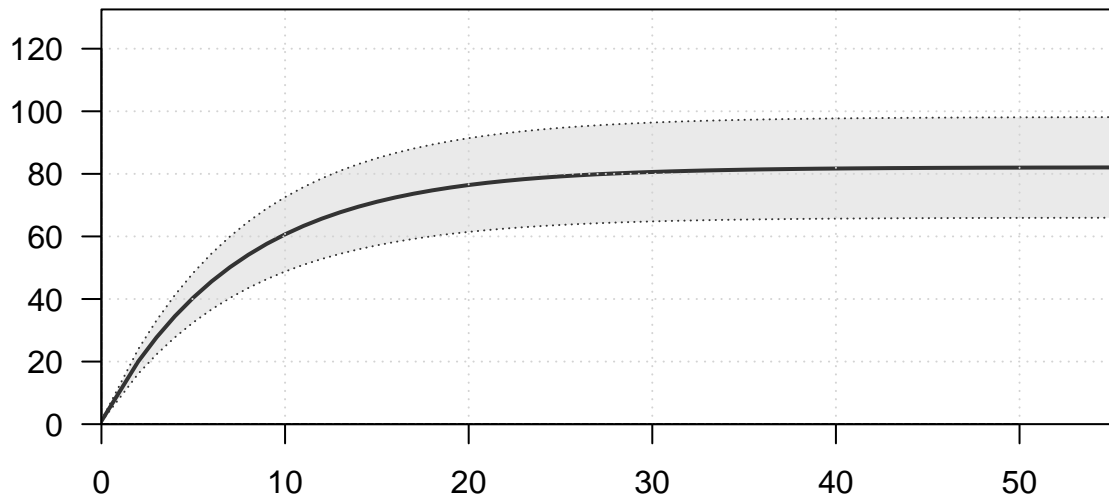
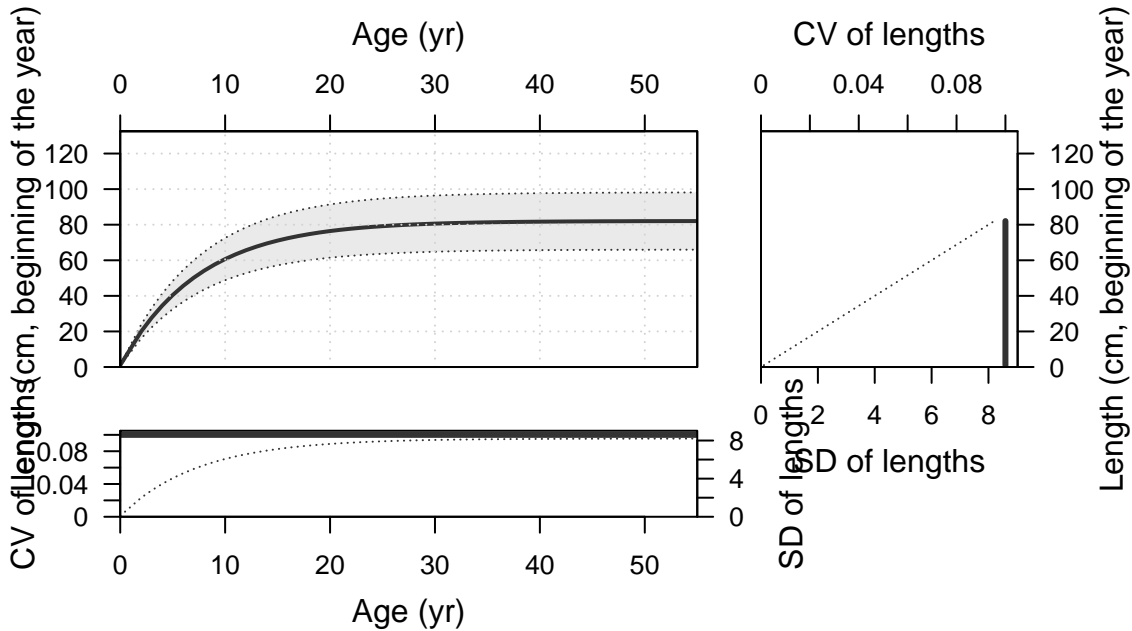


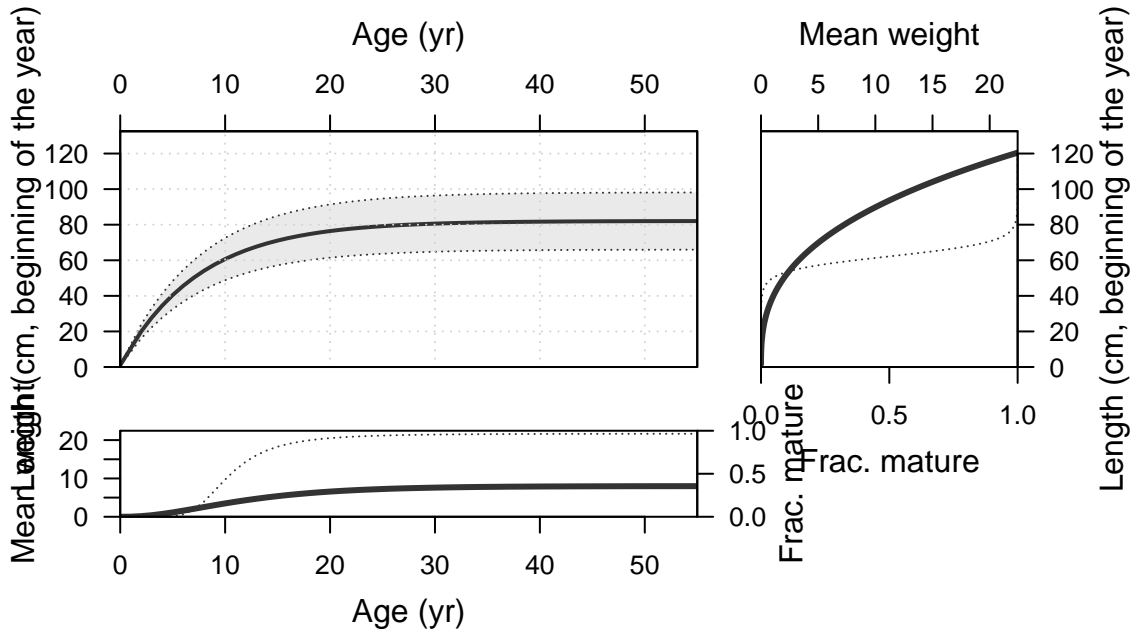
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Wed Jul 06 10:10:47 2022  
Data\_File: data.ss  
Control\_File: control.ss

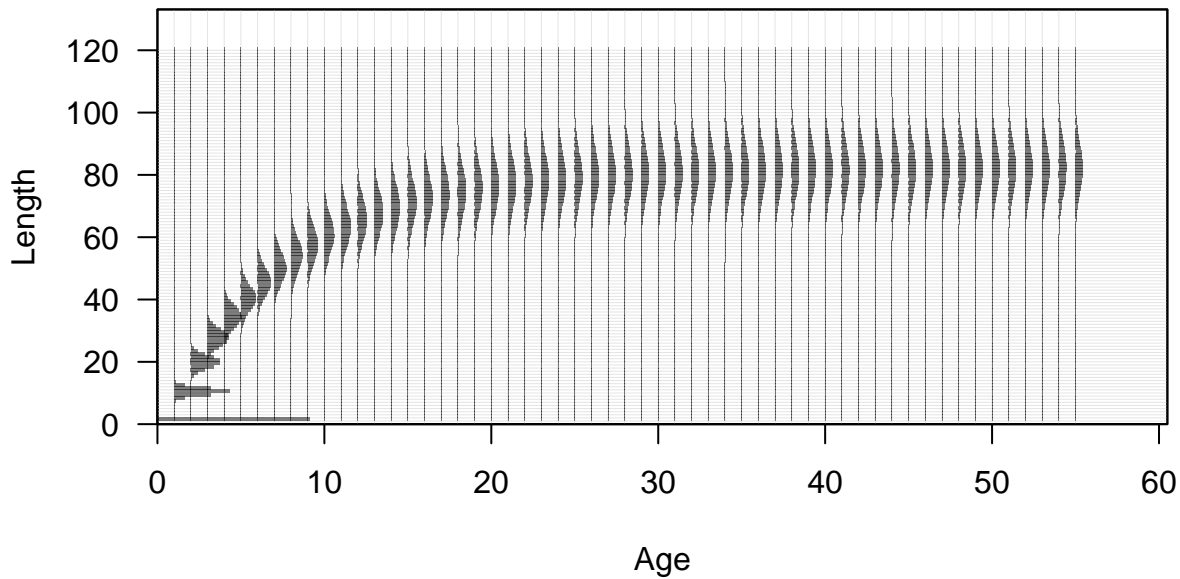
Length (cm, beginning of the year)

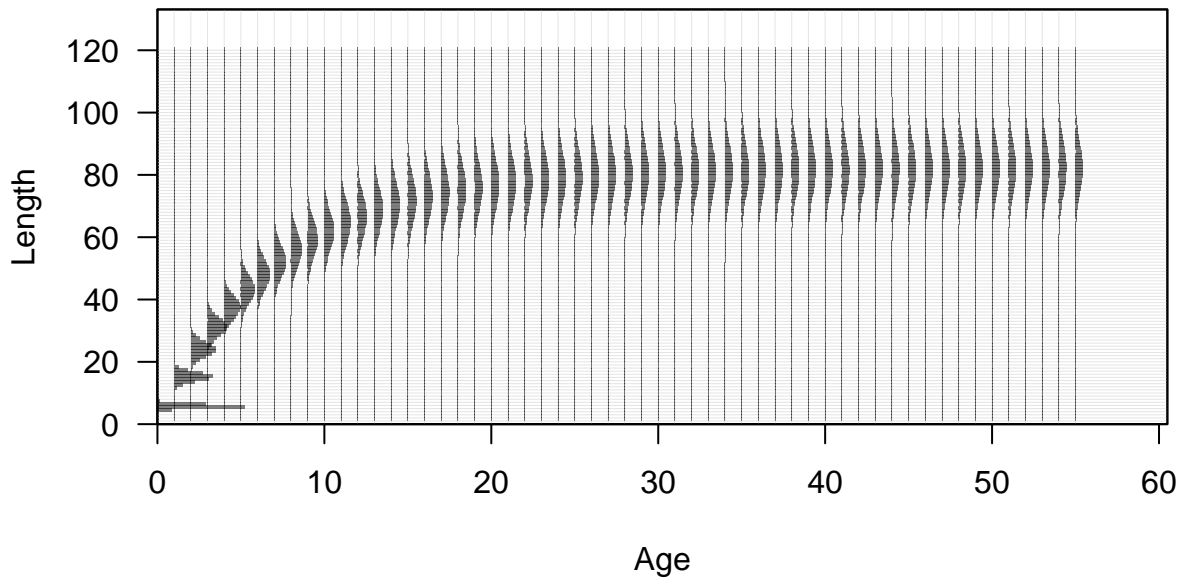


Age (yr)

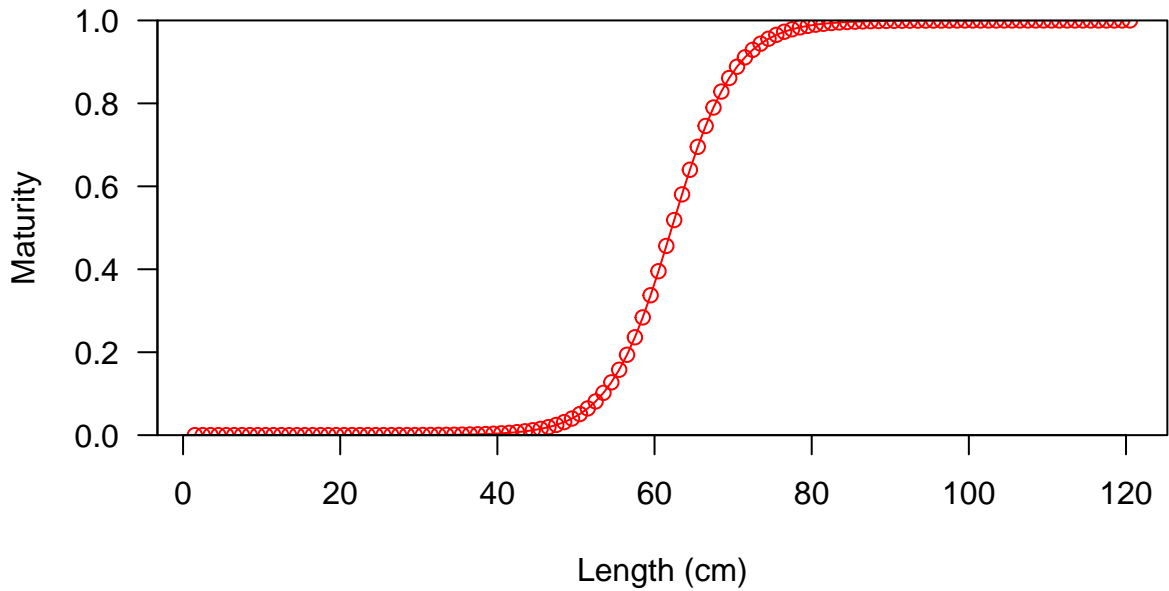
















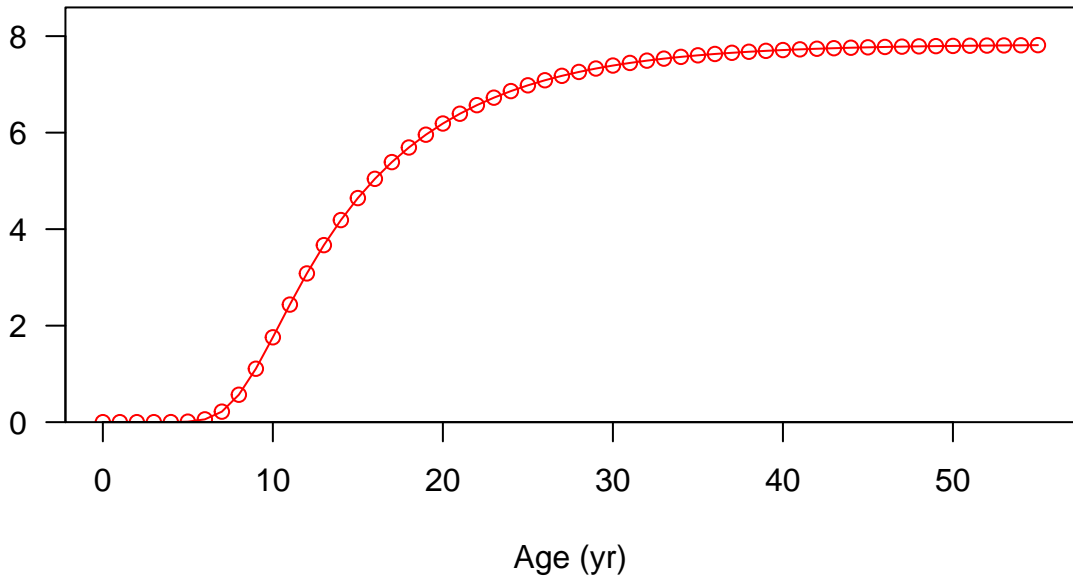


Fecundity

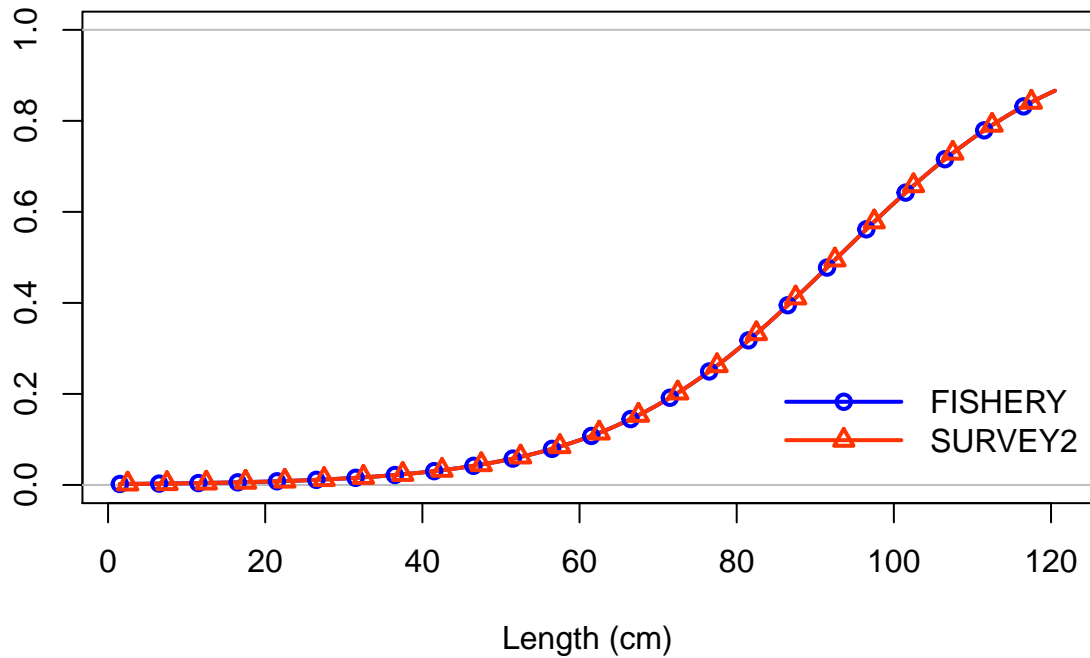




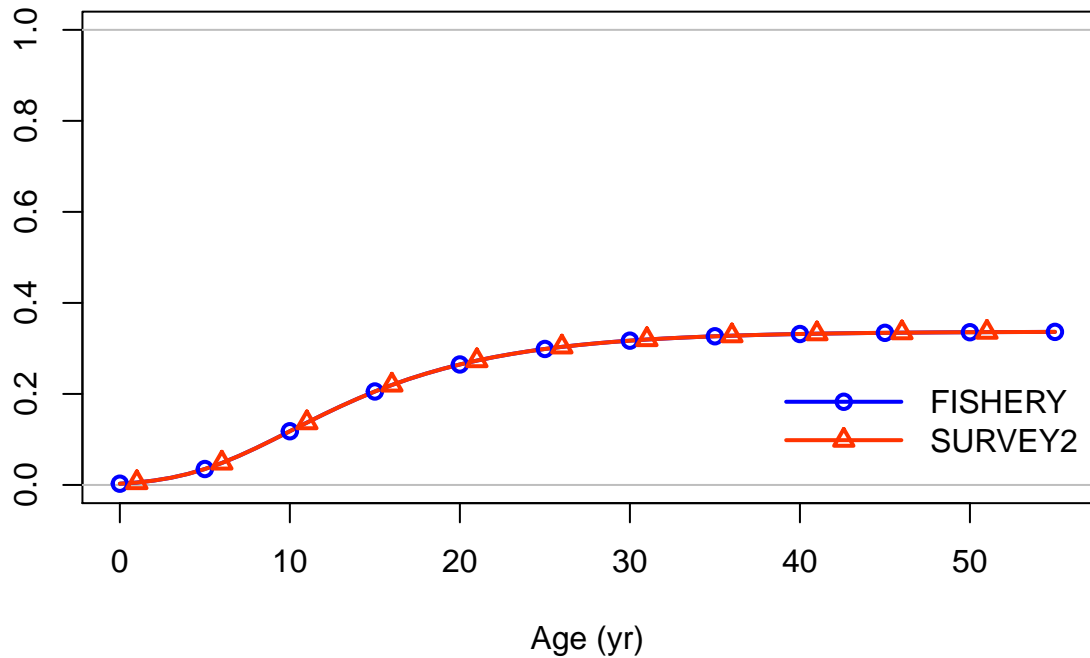
Spawning output



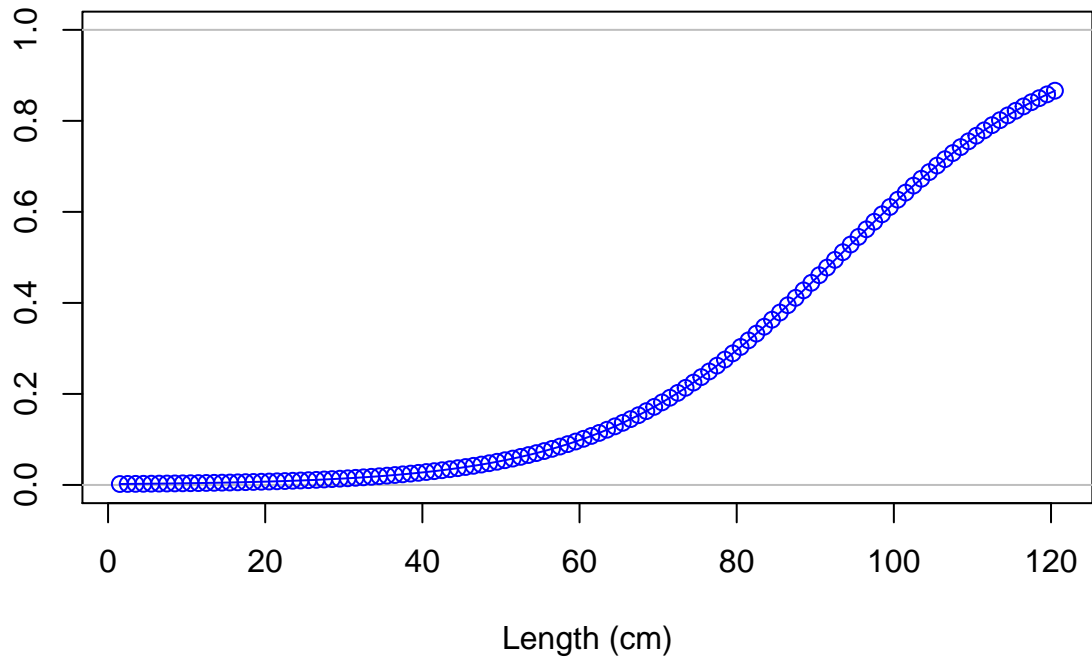
Selectivity



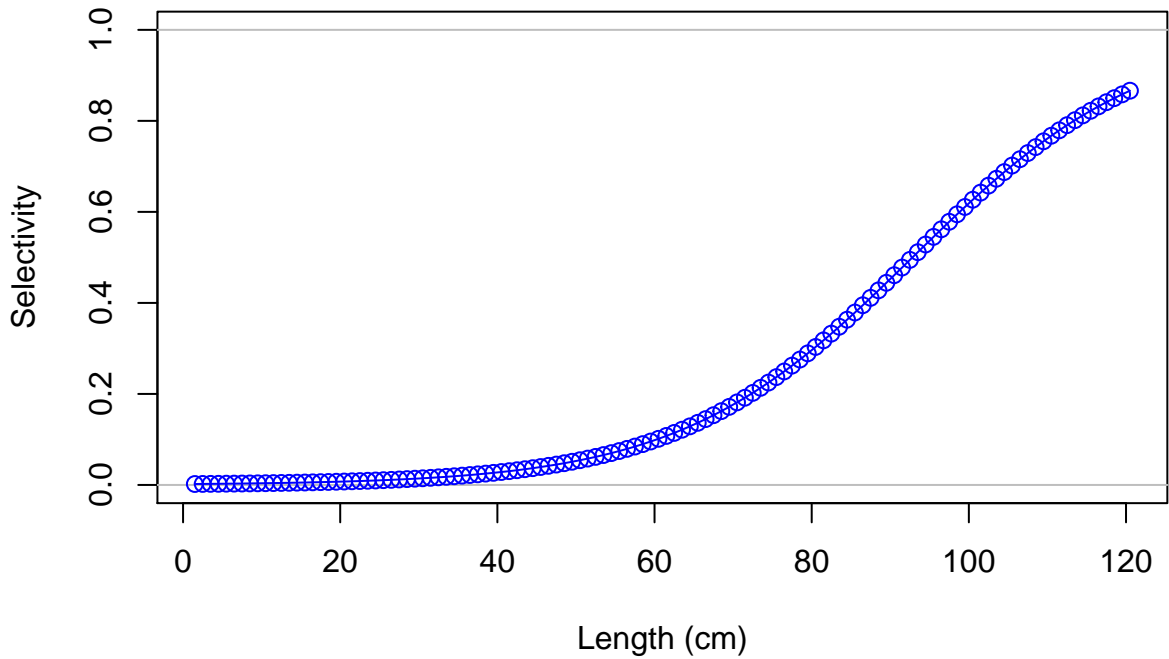
Selectivity

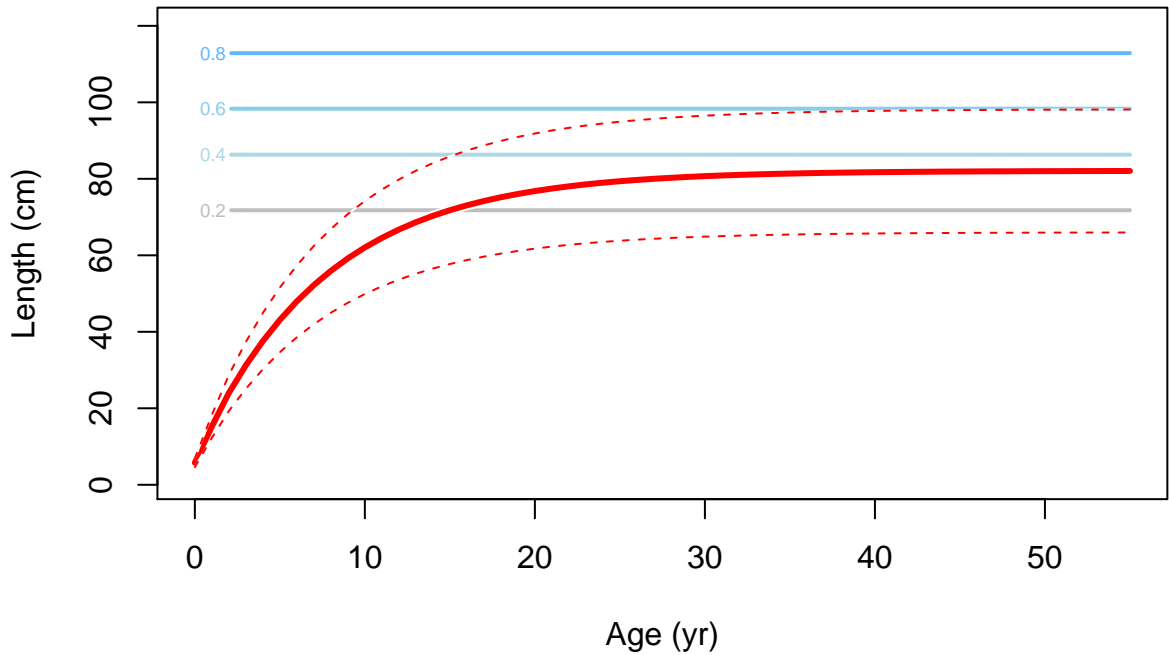


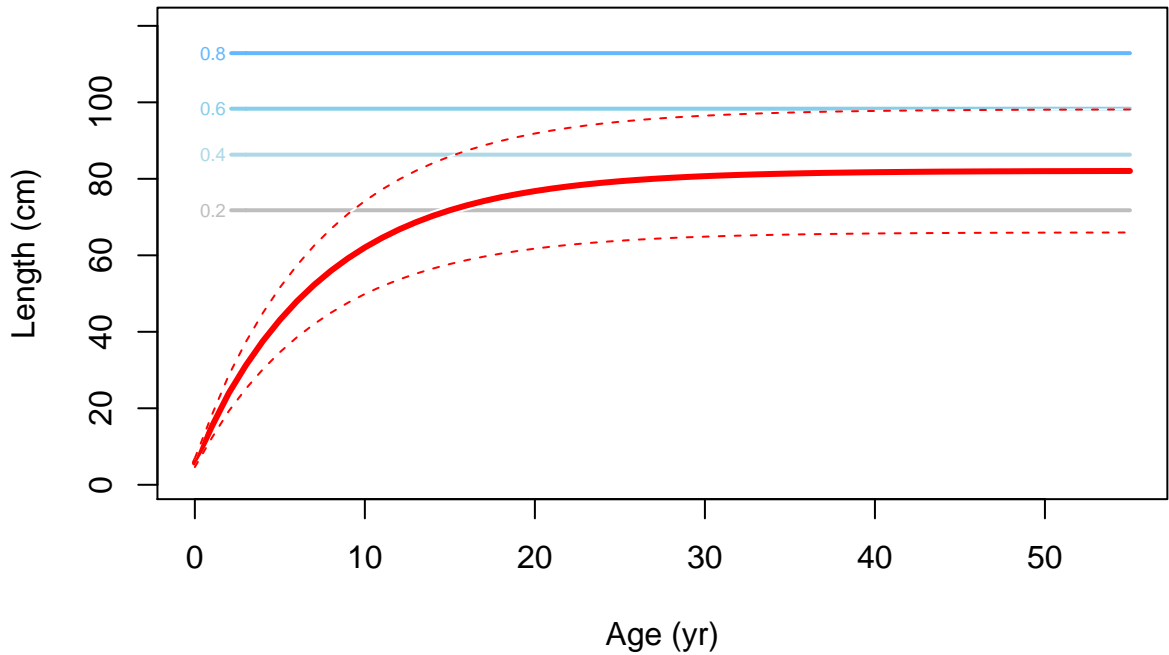
Selectivity

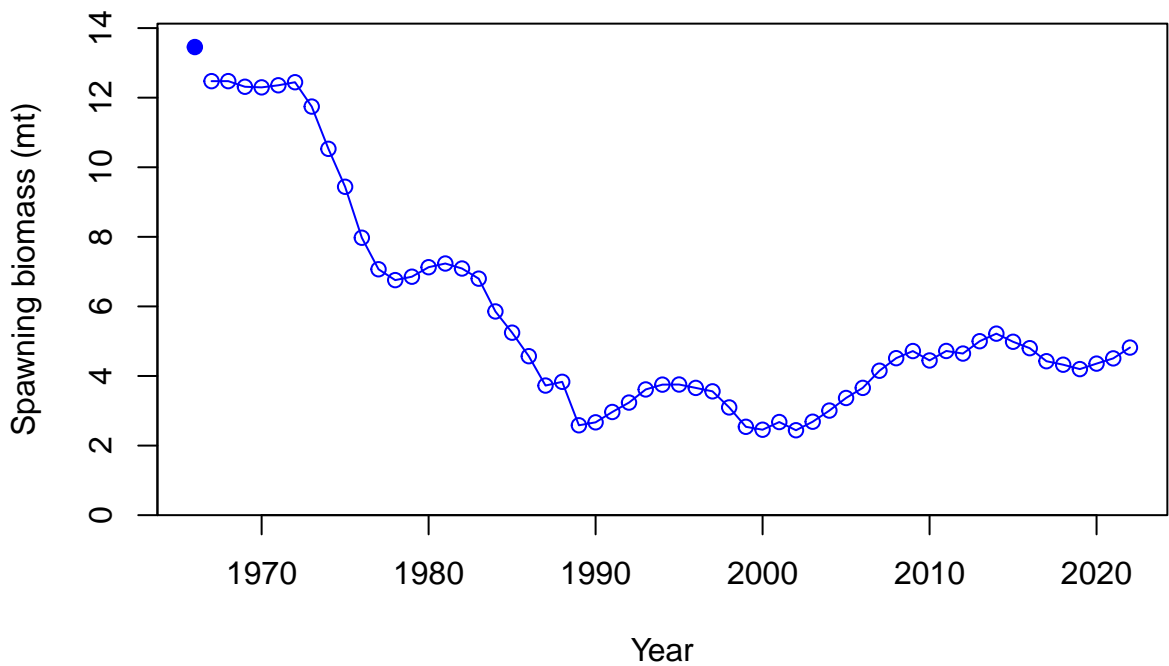




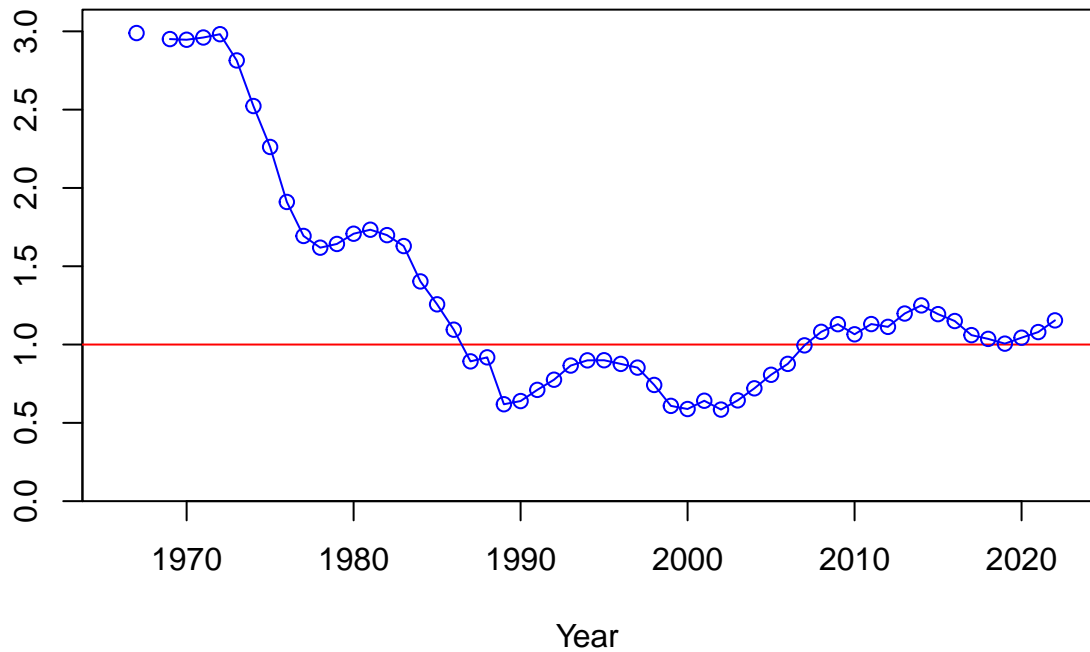


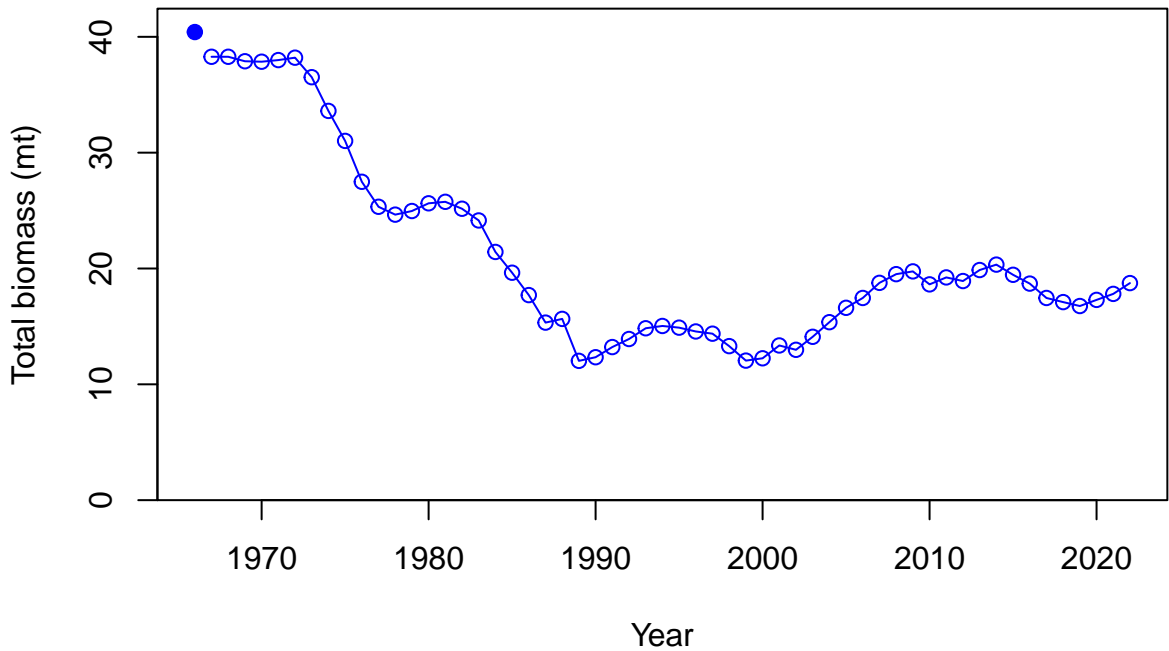


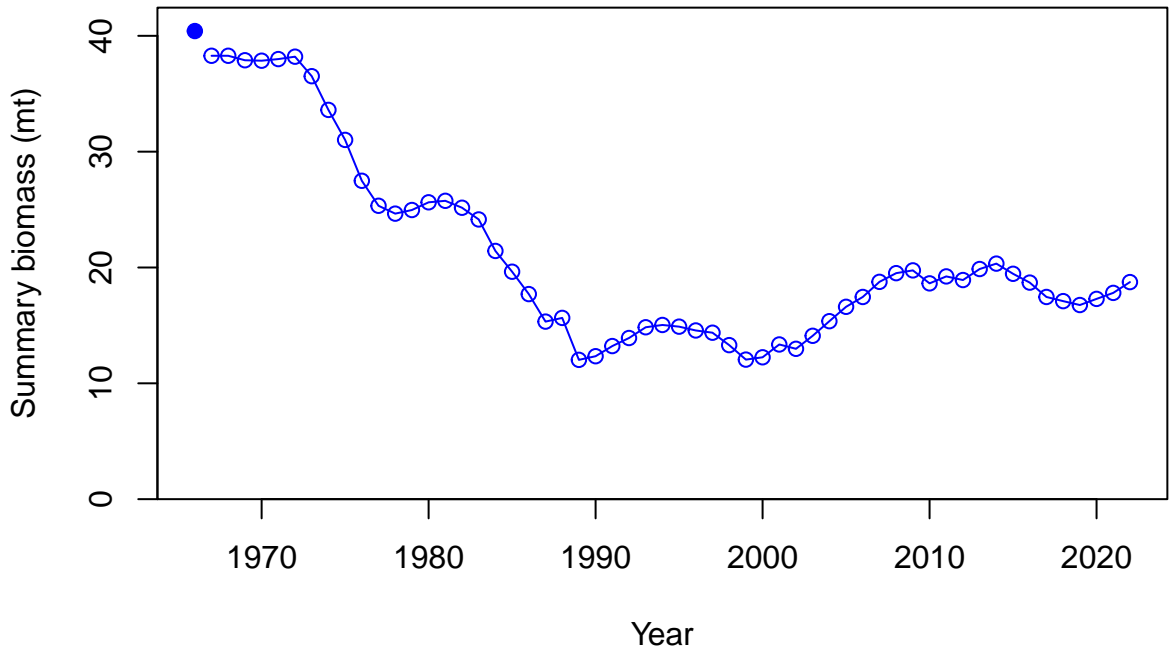




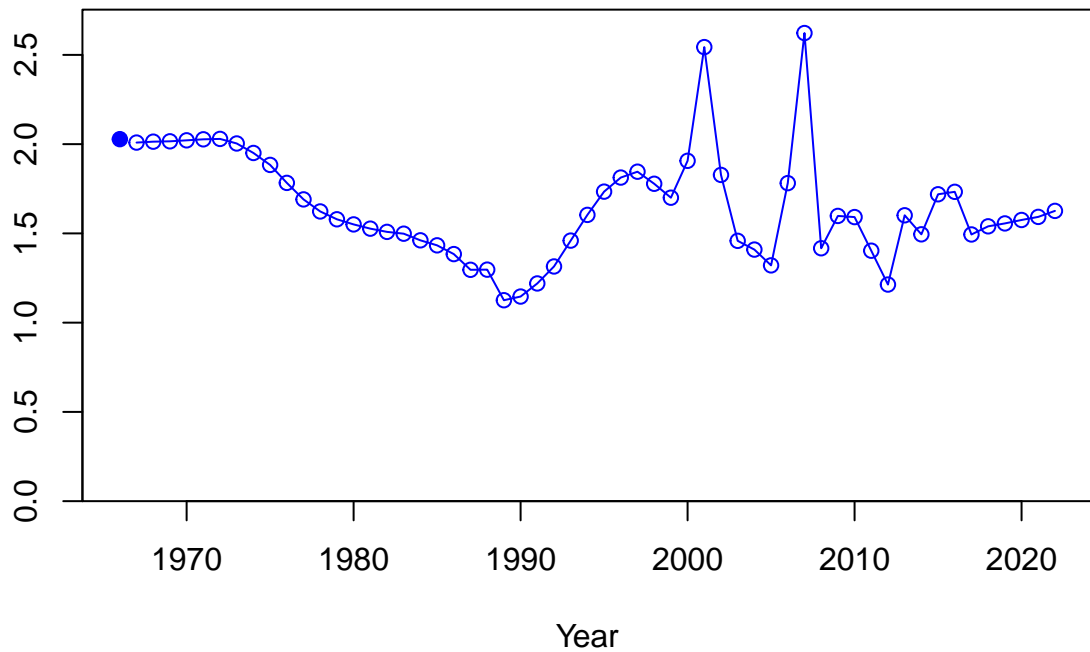
Relative spawning biomass:  $B/B_{MSY}$





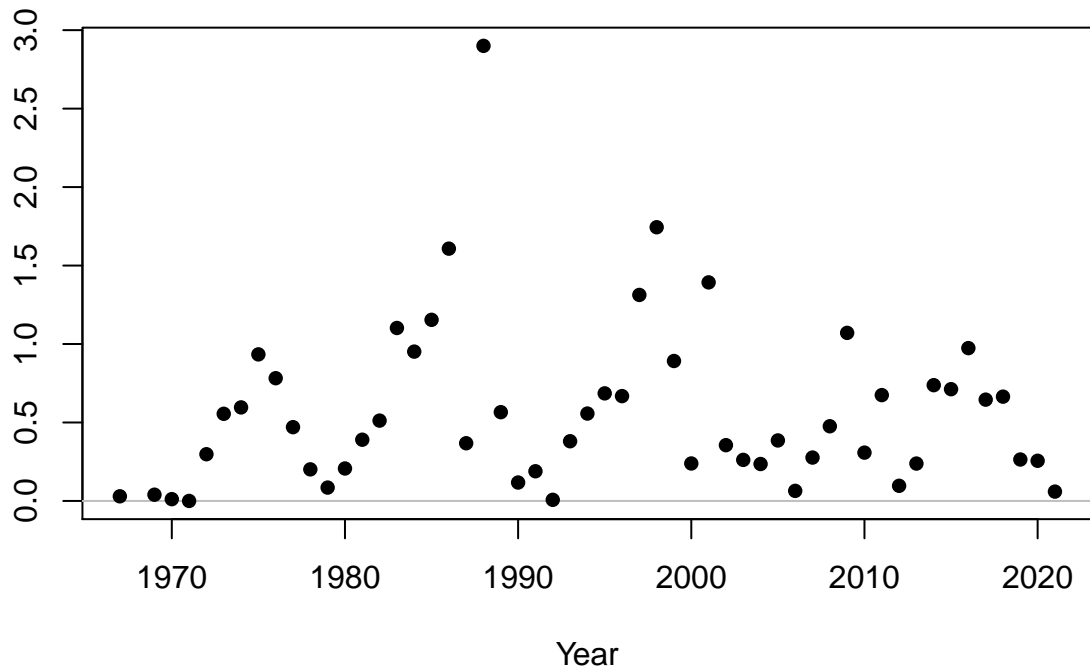


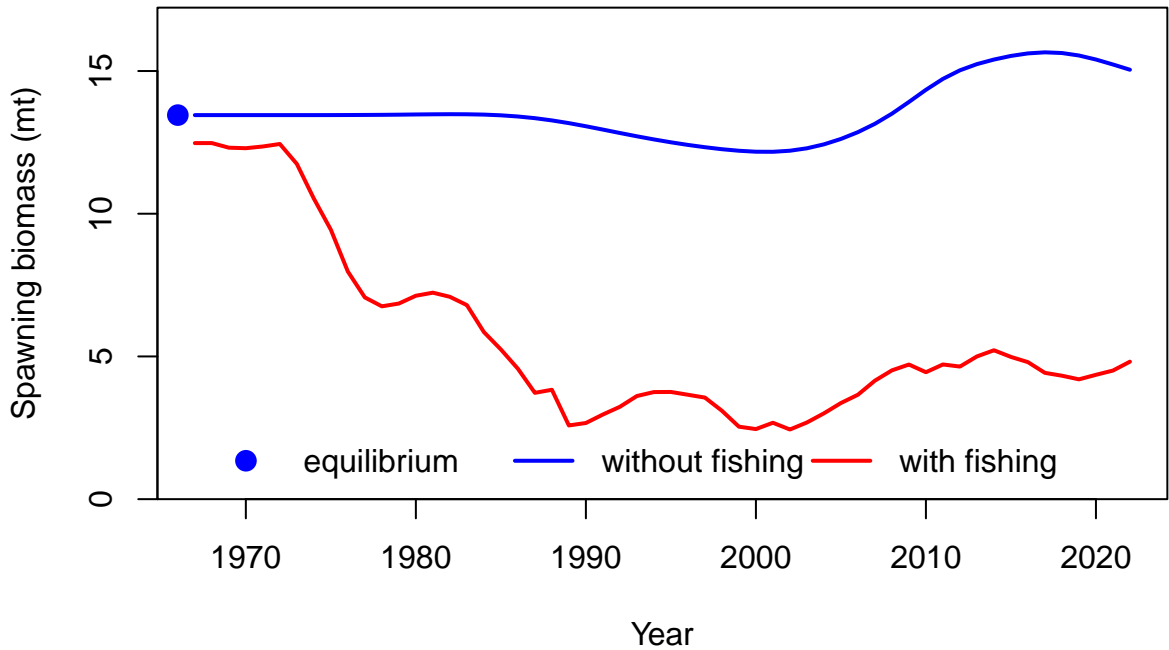
Age-0 recruits (1,000s)



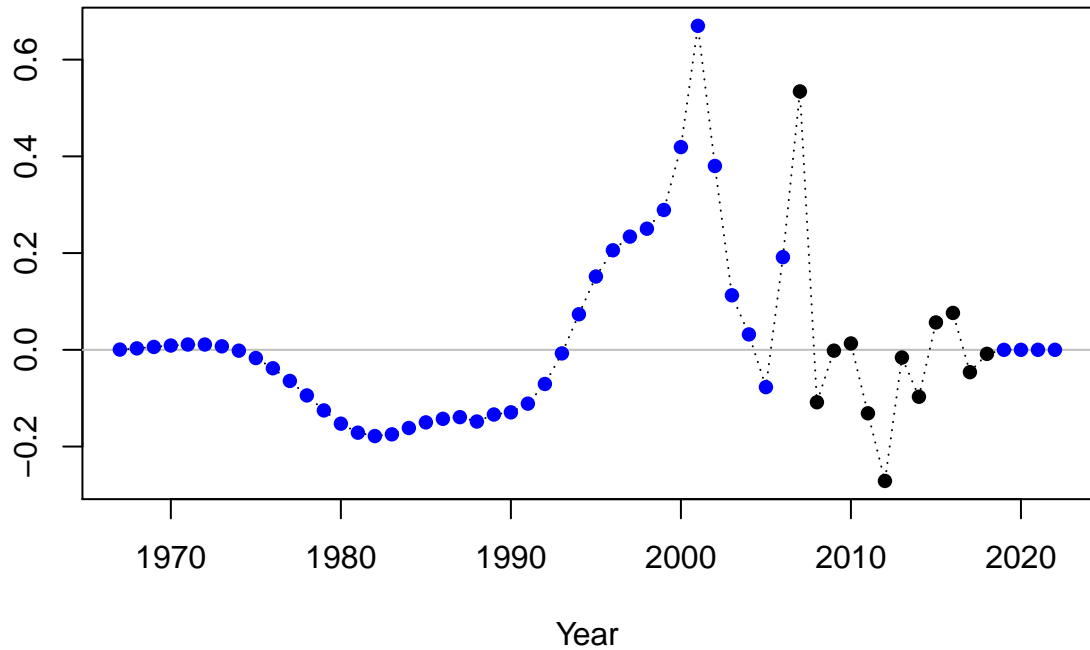


Summary Fishing Mortality

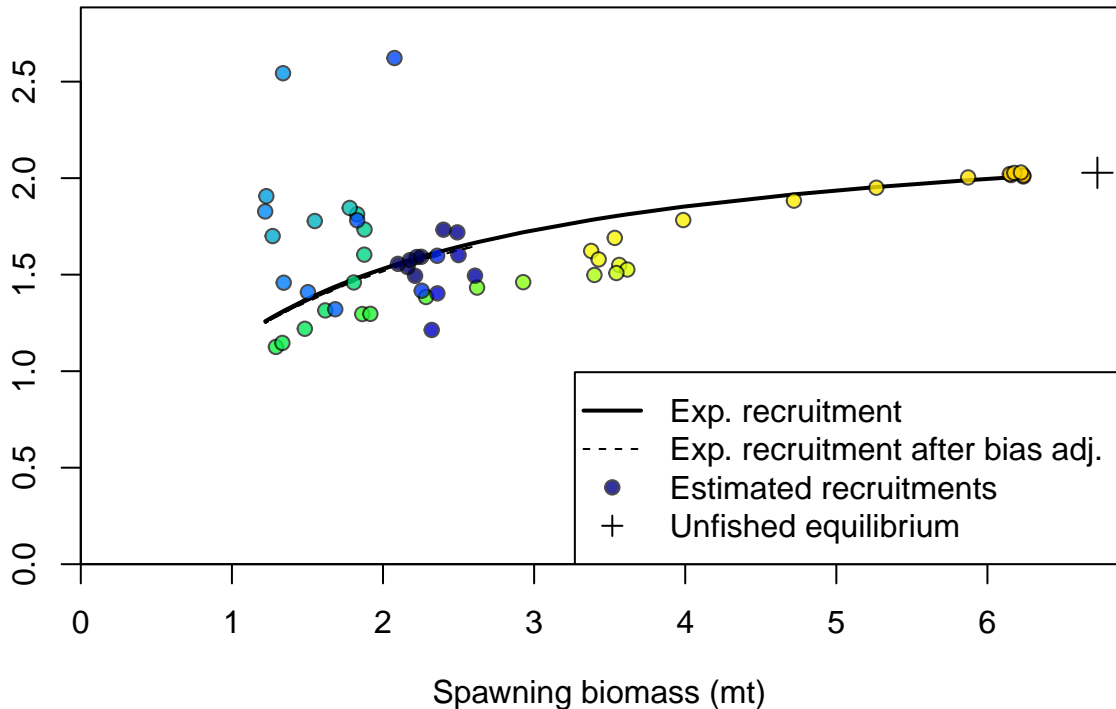


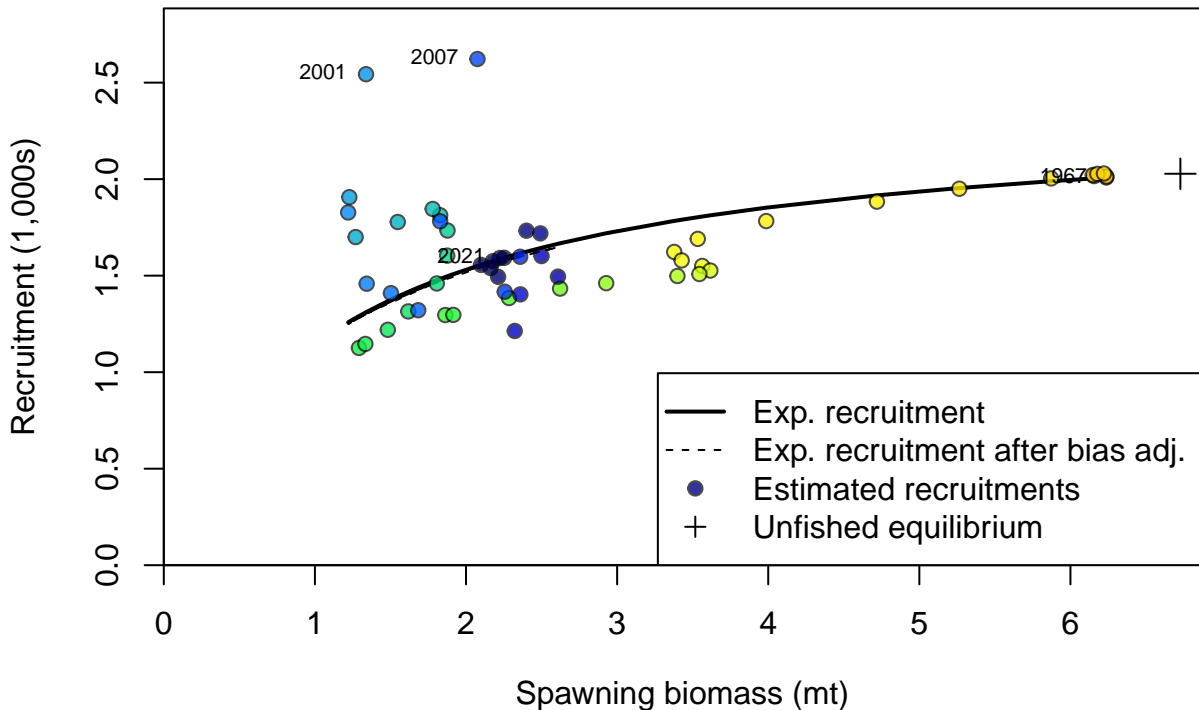


Log recruitment deviation

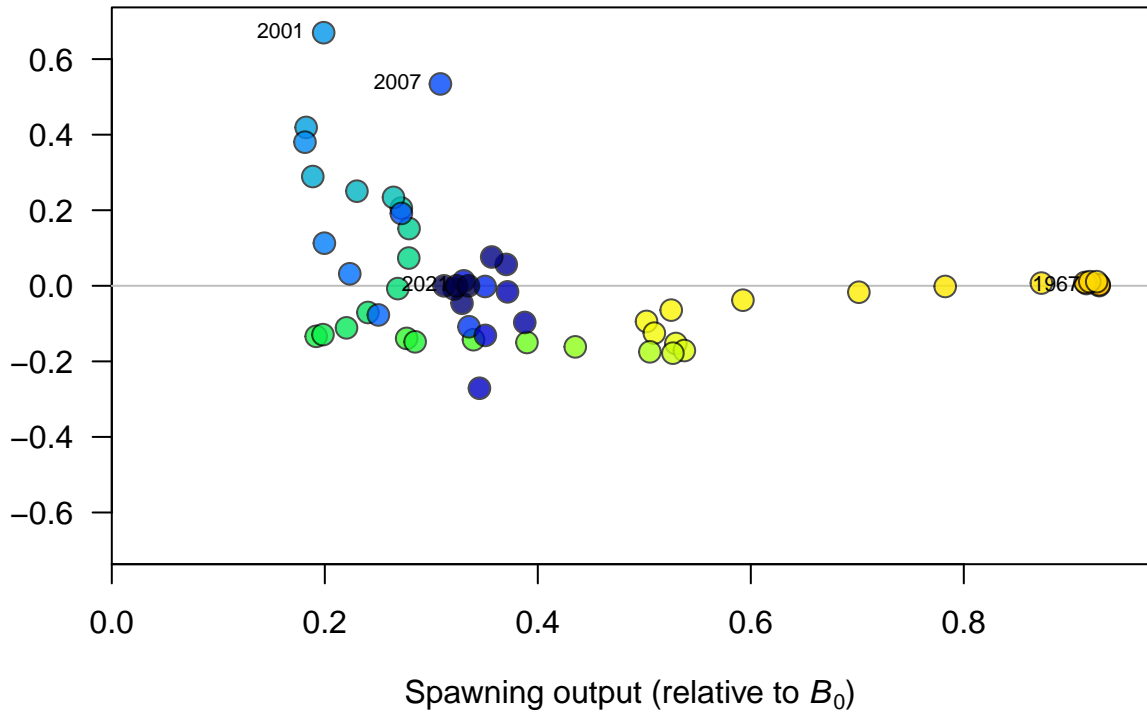


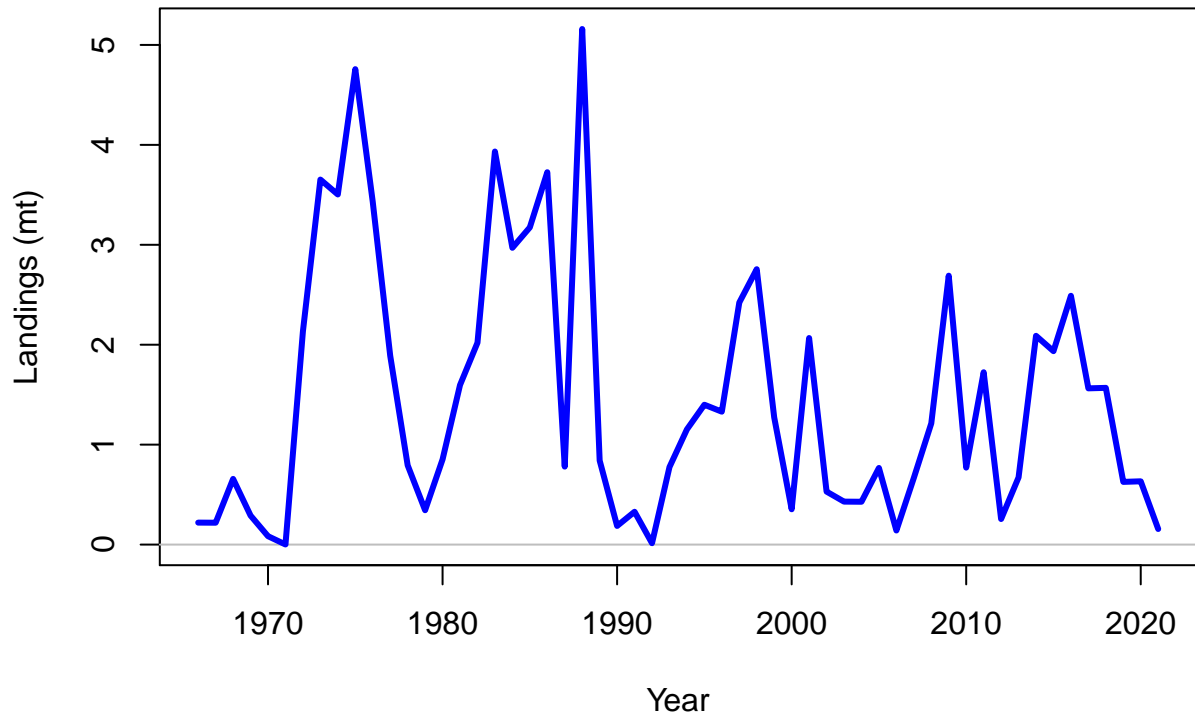
Recruitment (1,000s)

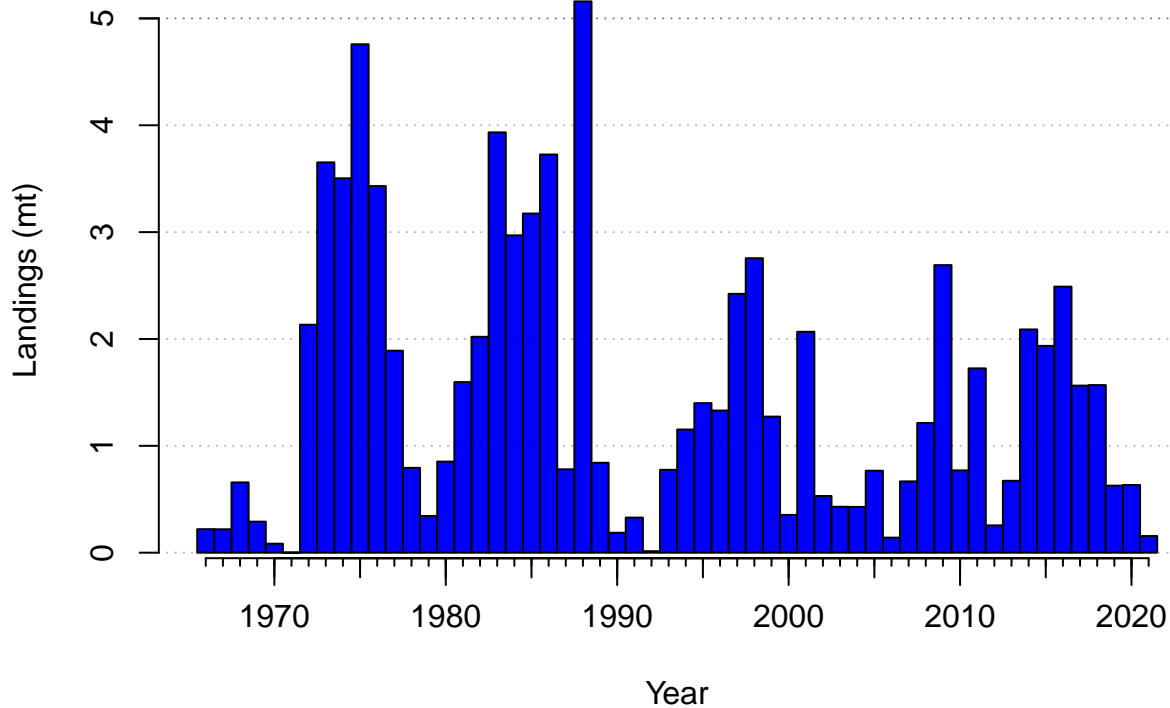




Log recruitment deviation

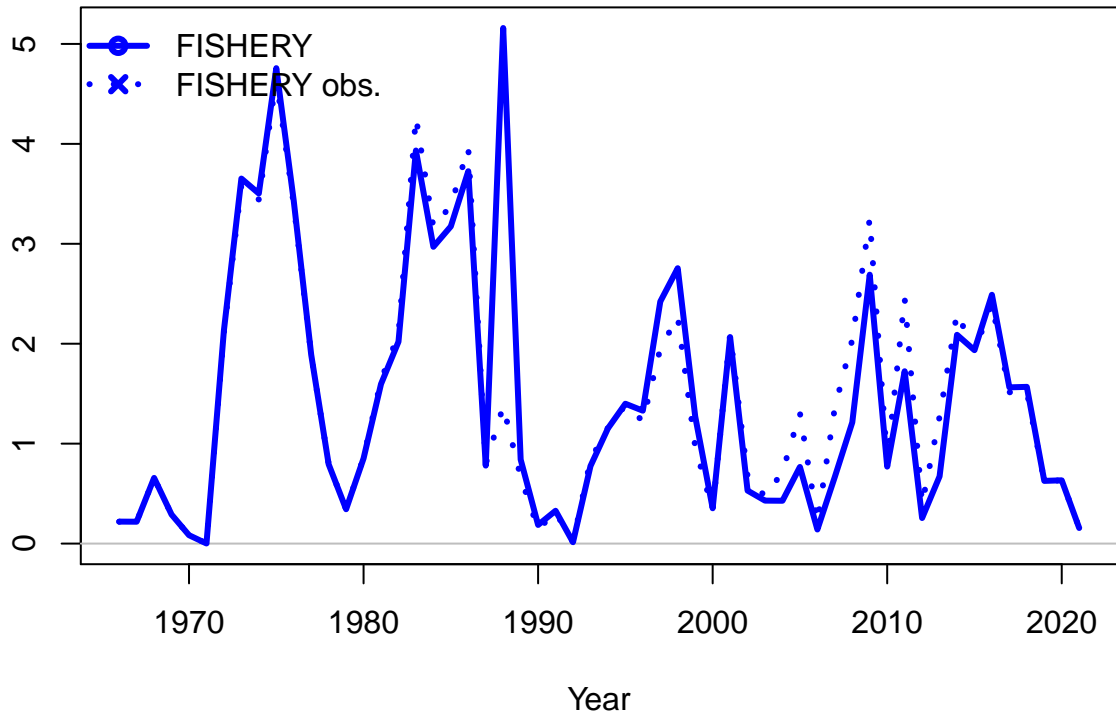


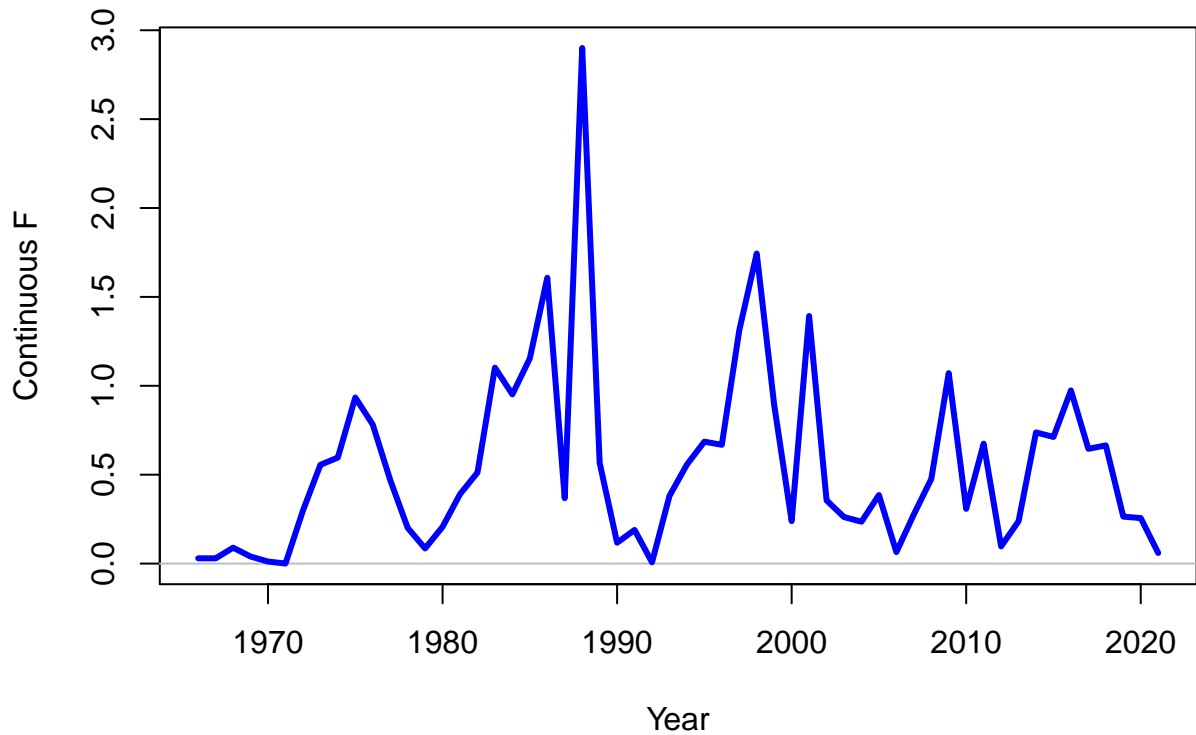




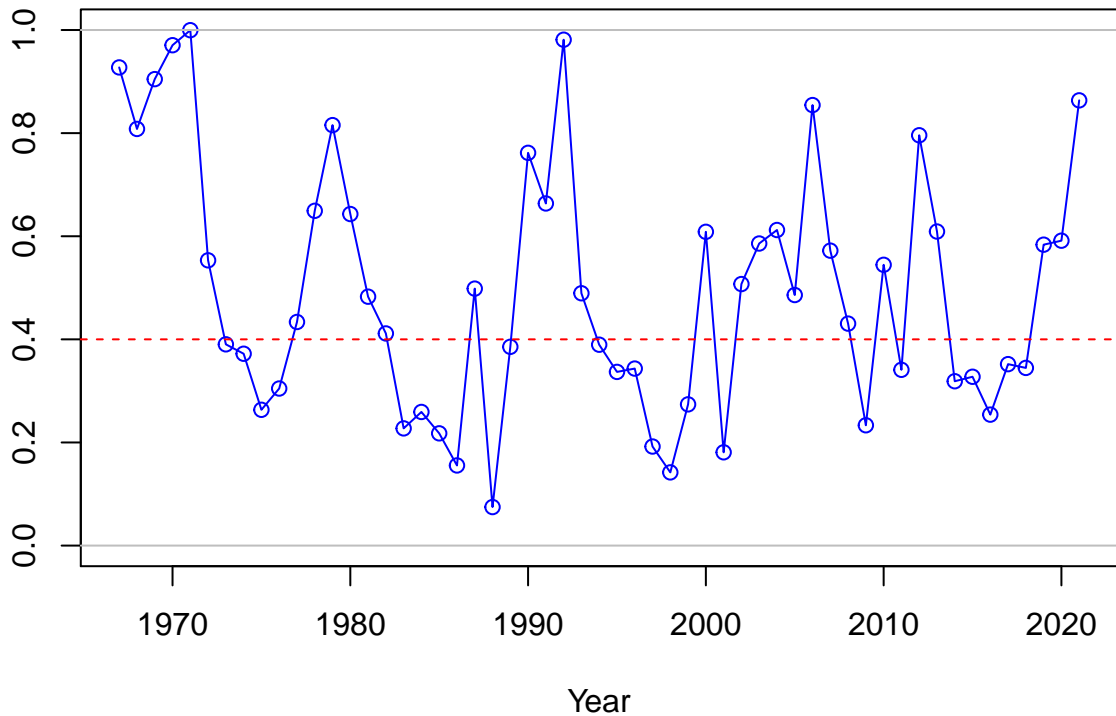


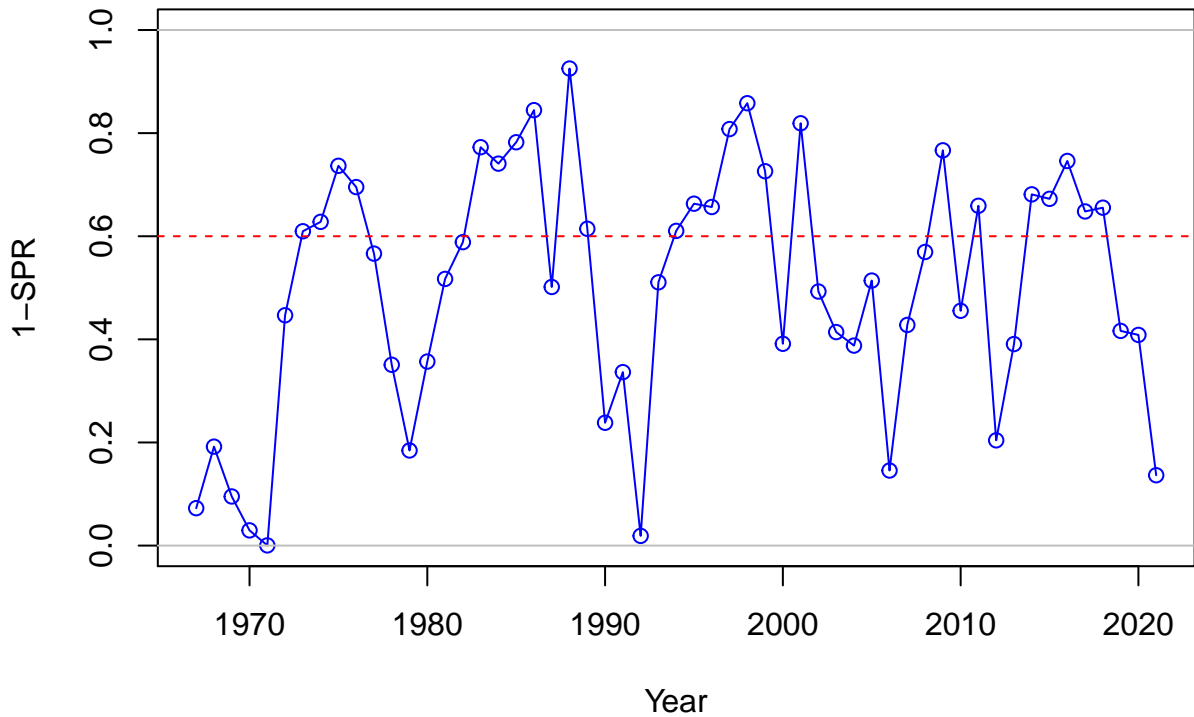
Observed and expected Landings (mt)



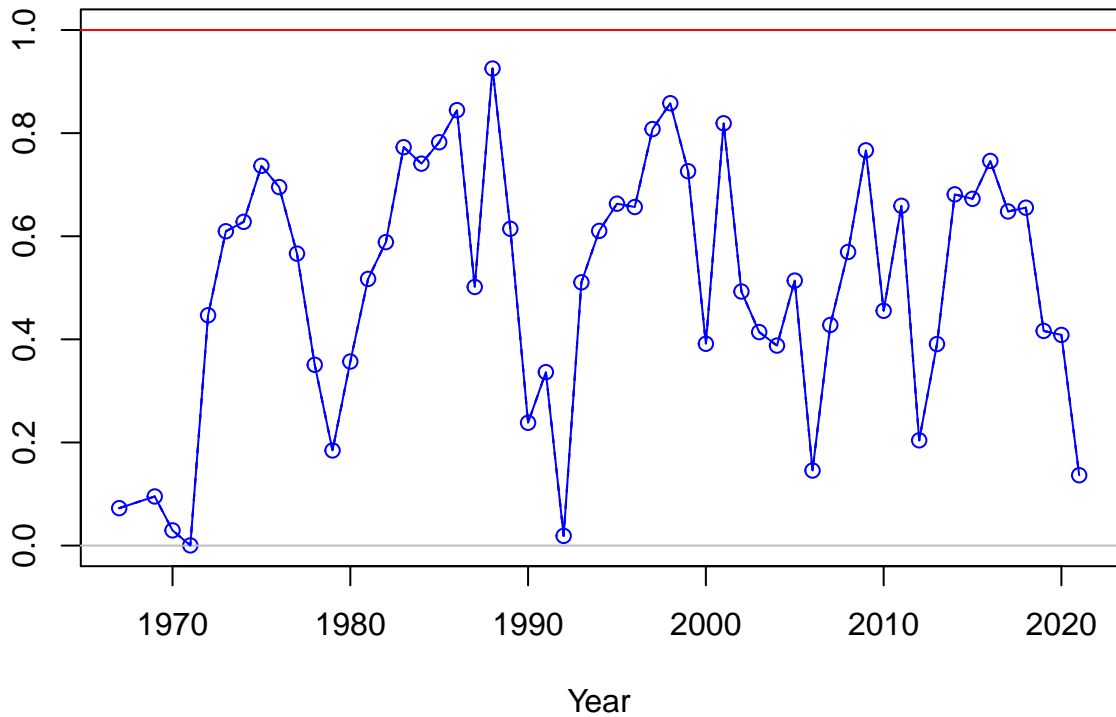


SPR

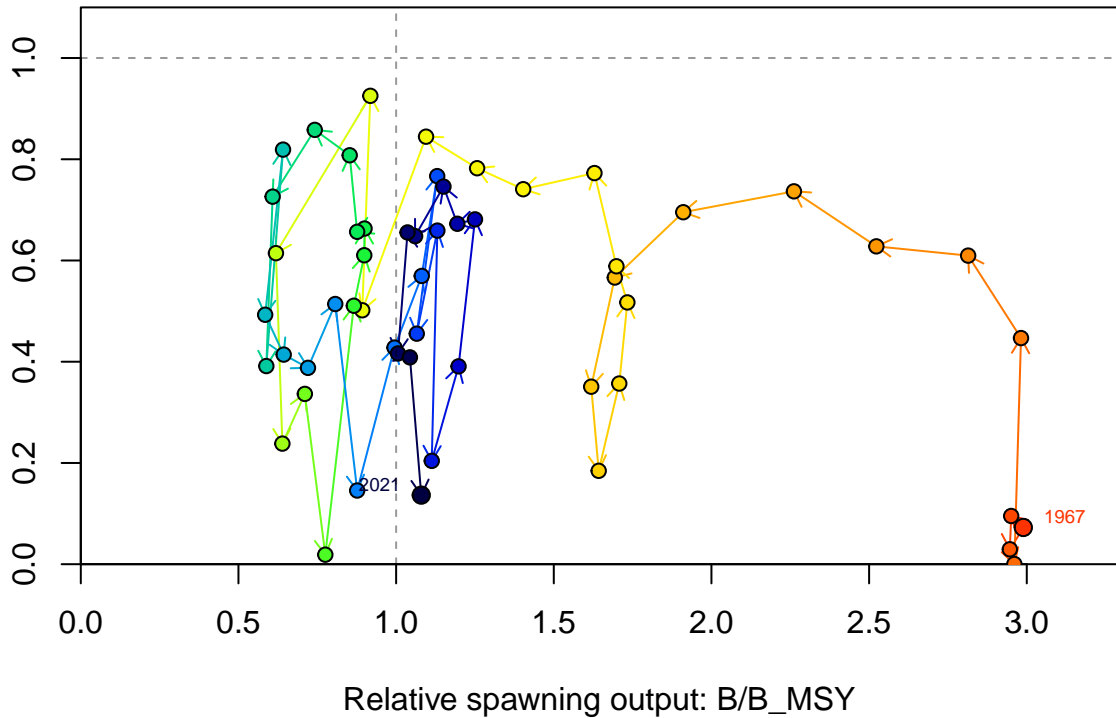




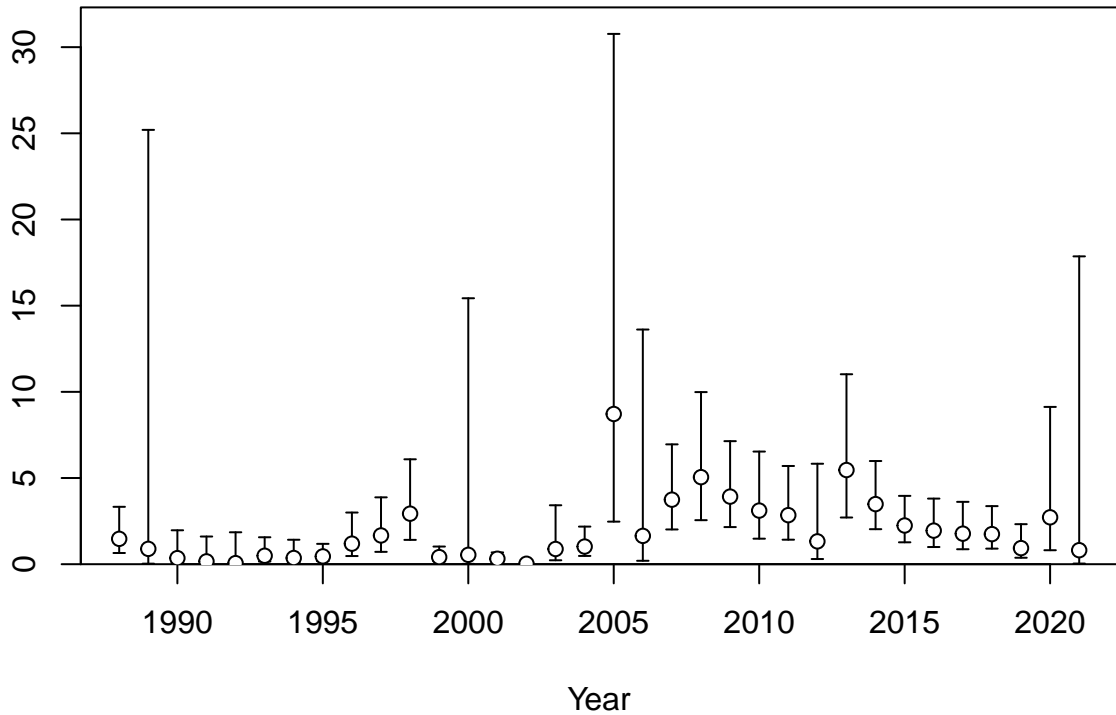
Fishing intensity: 1-SPR



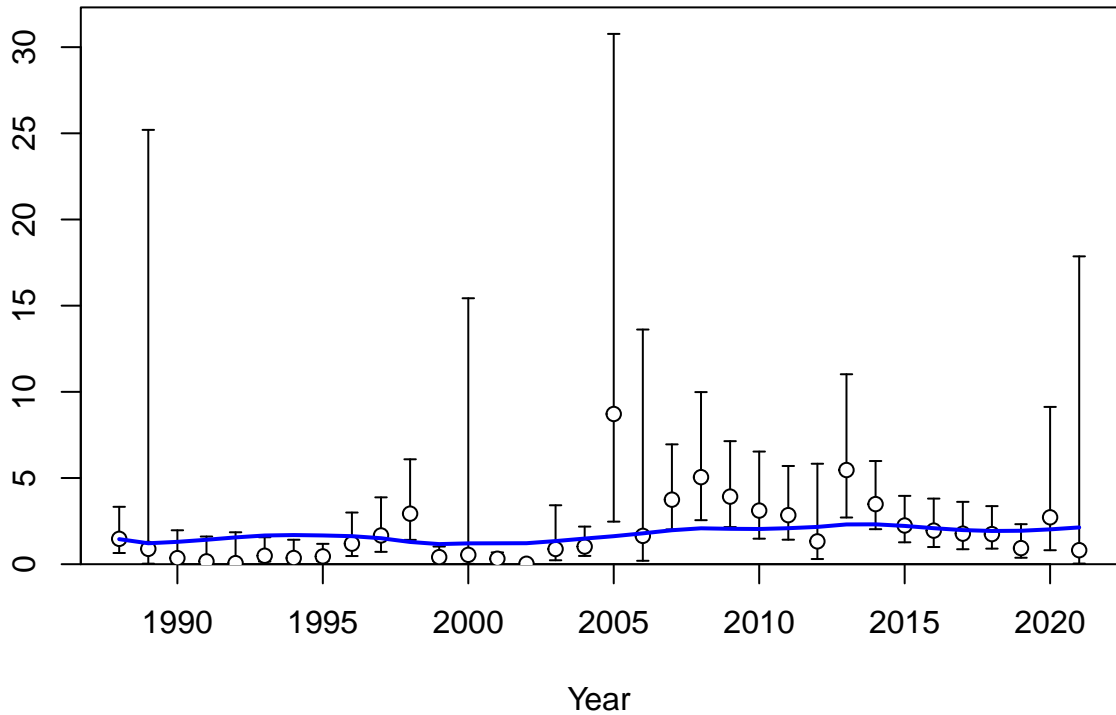
Fishing intensity: 1-SPR



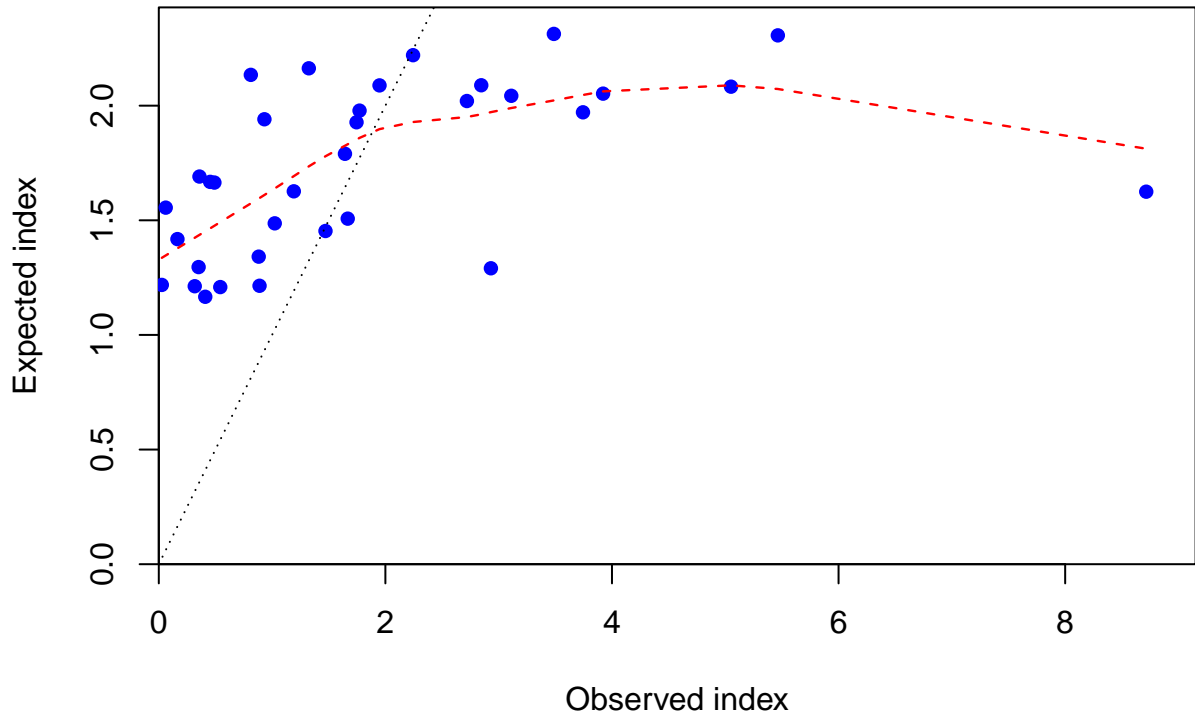
Index



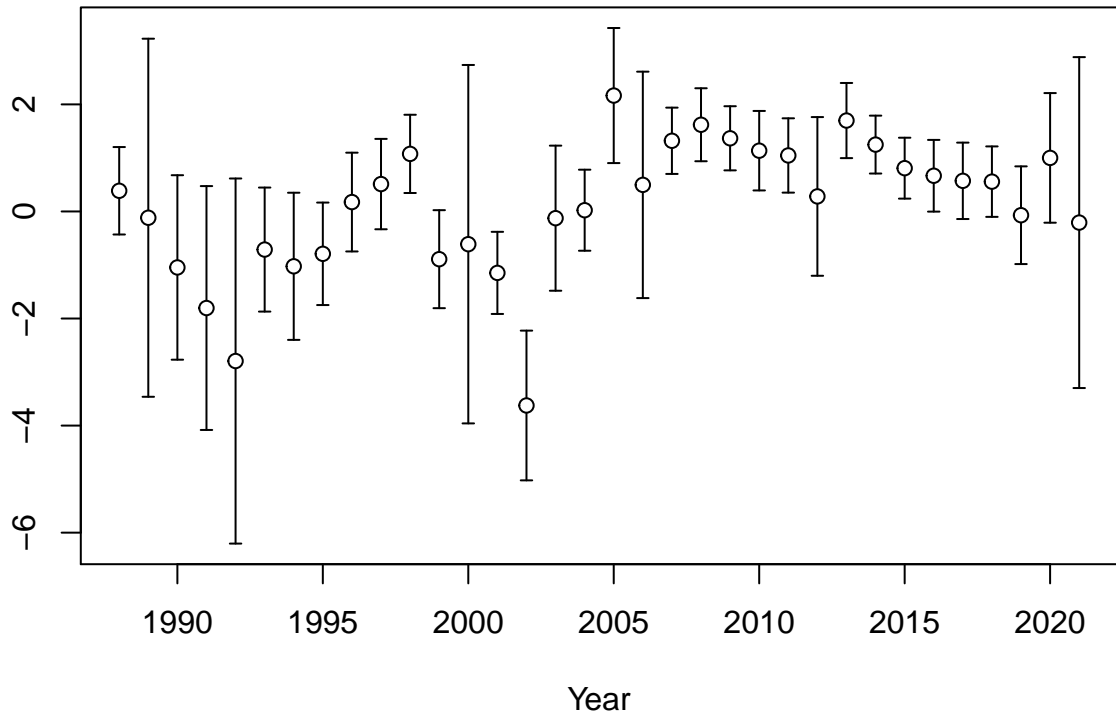
Index



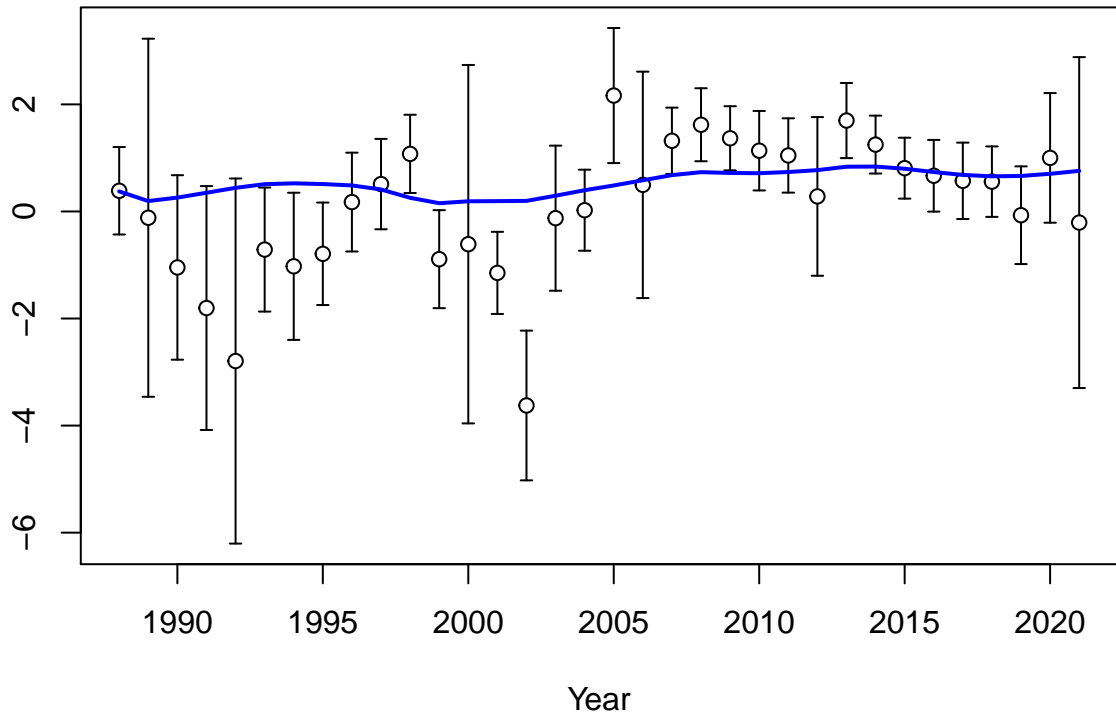


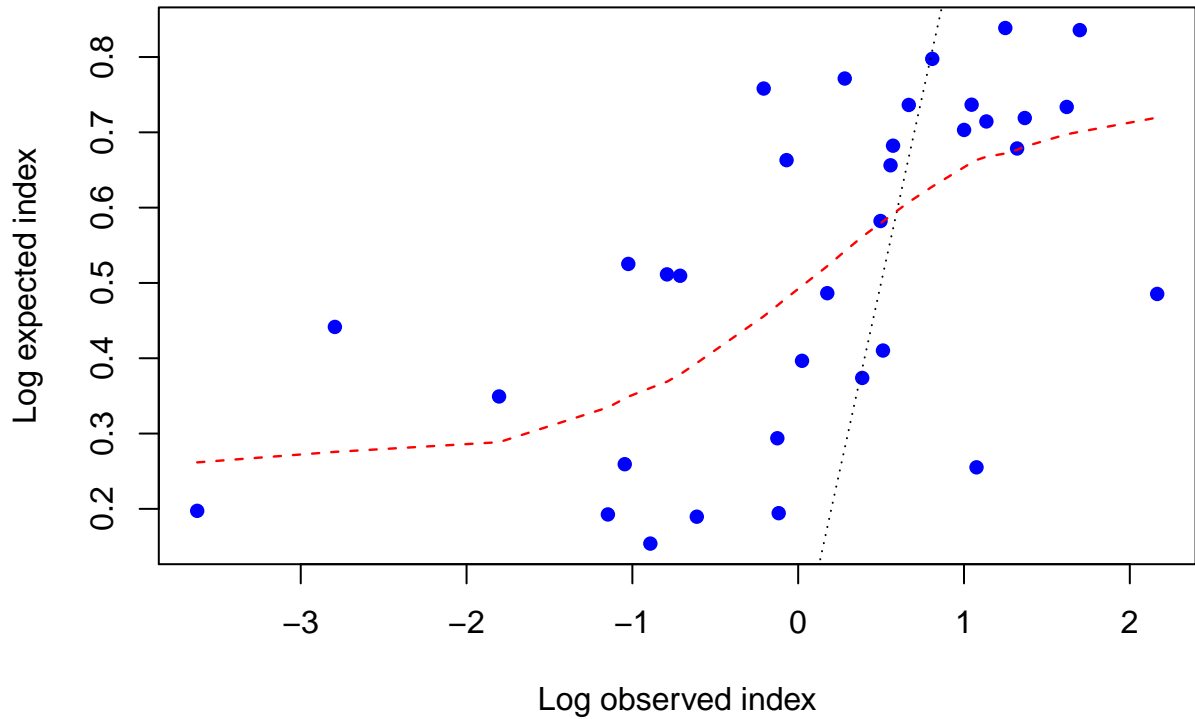


Log index

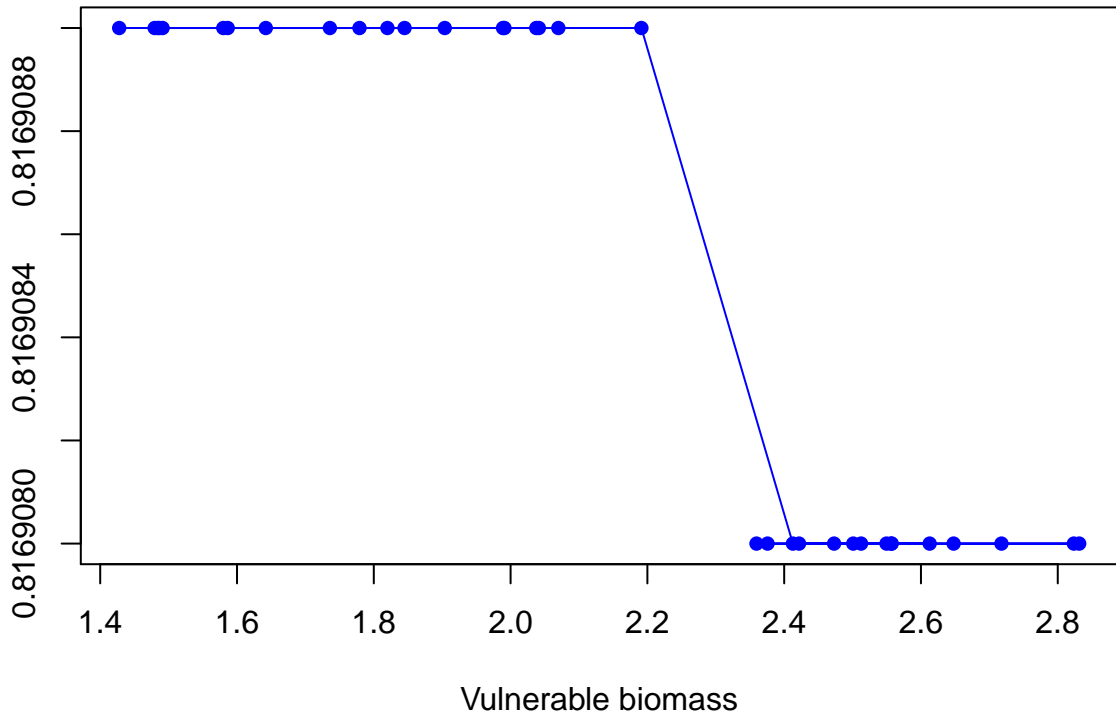


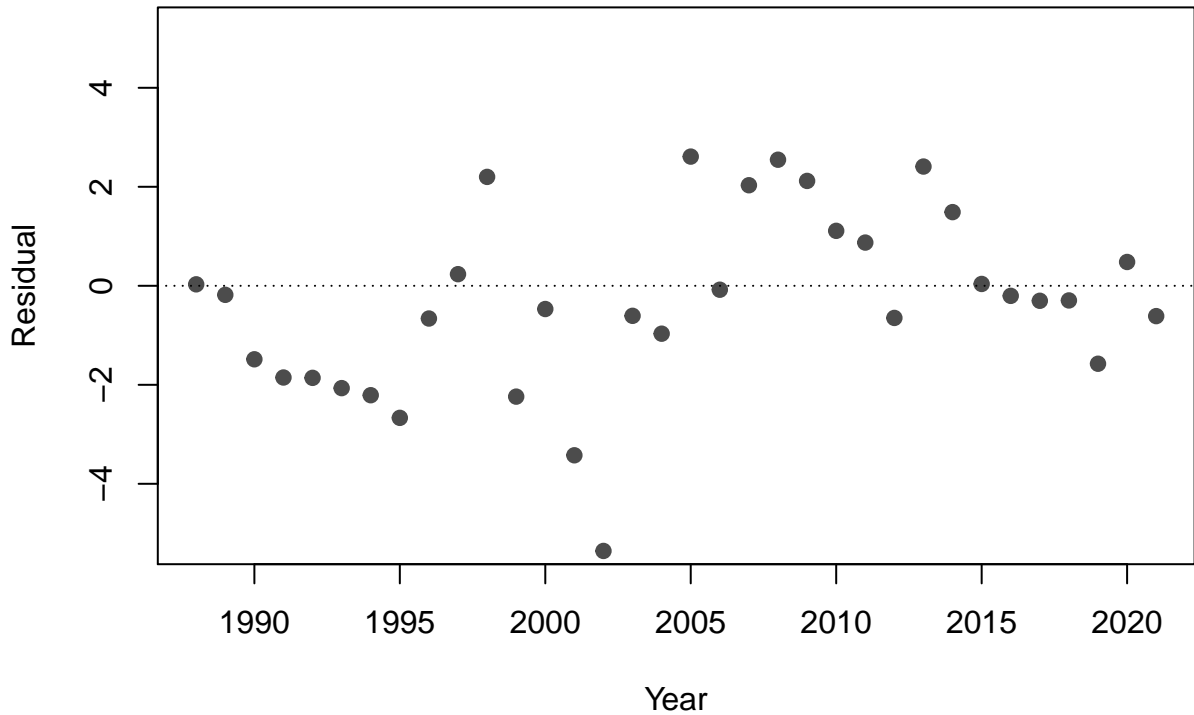
Log index



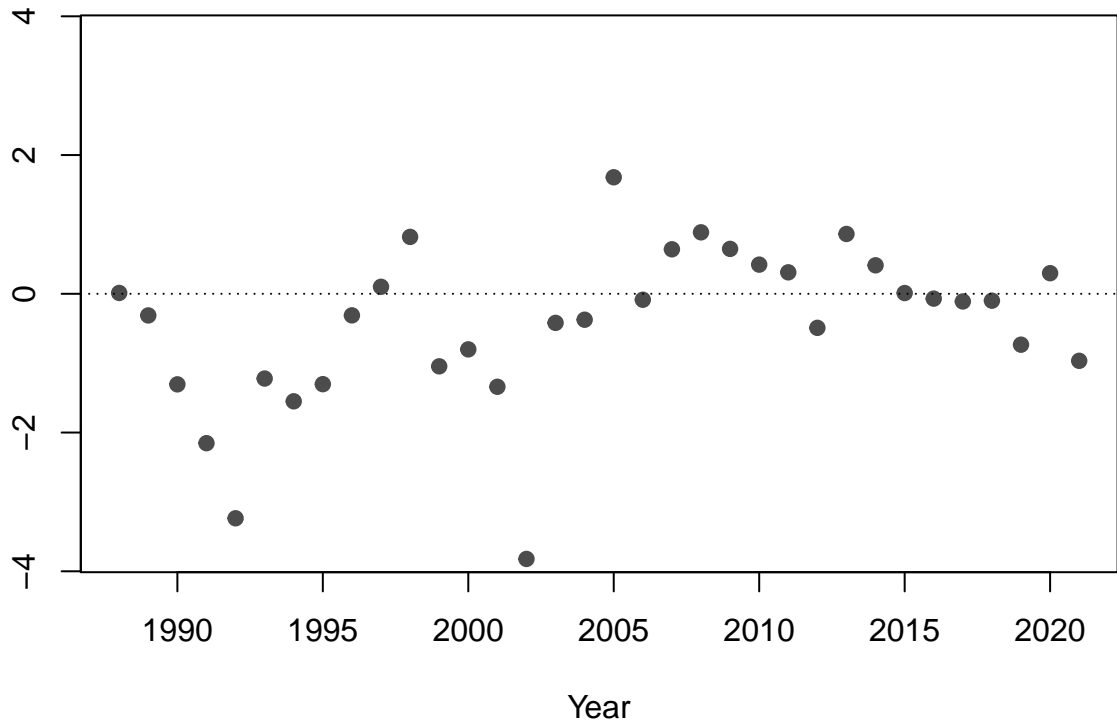


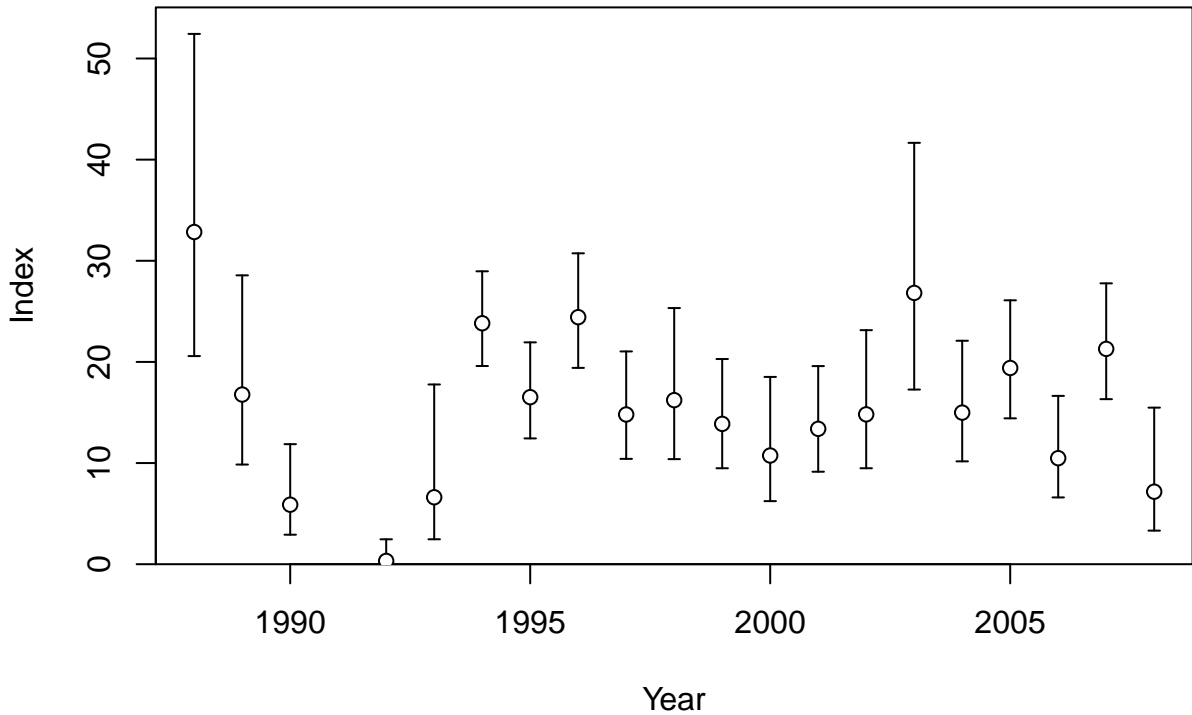
Effective catchability



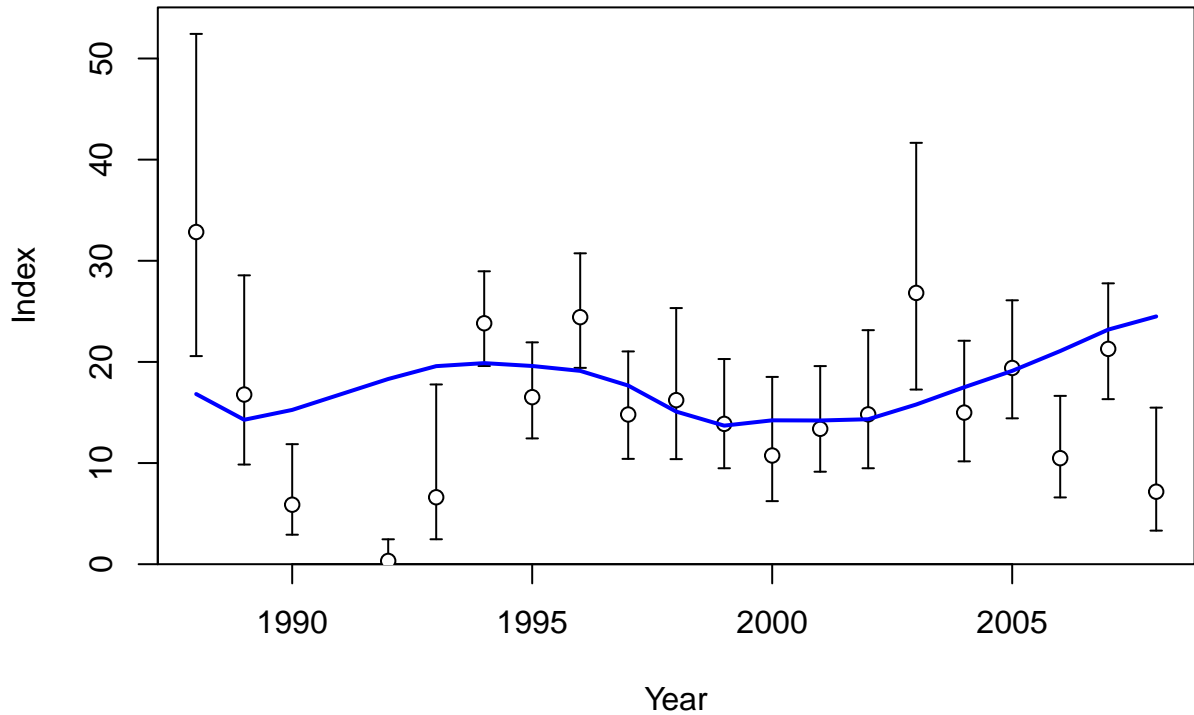


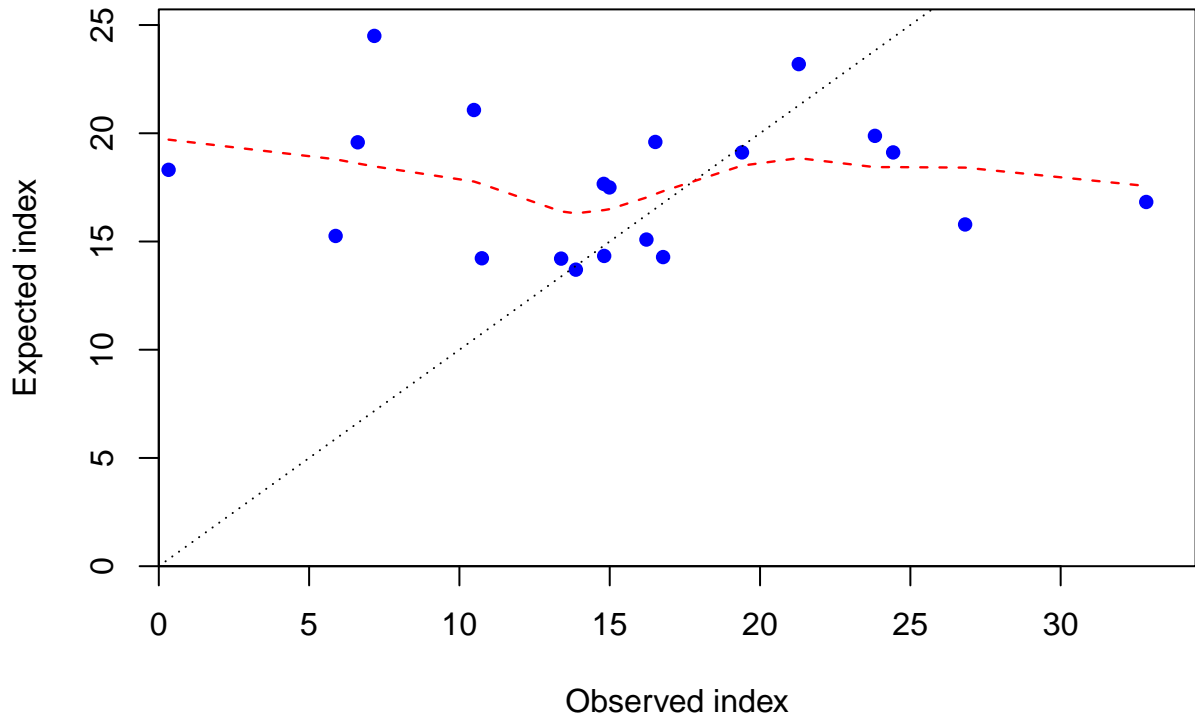
Deviation



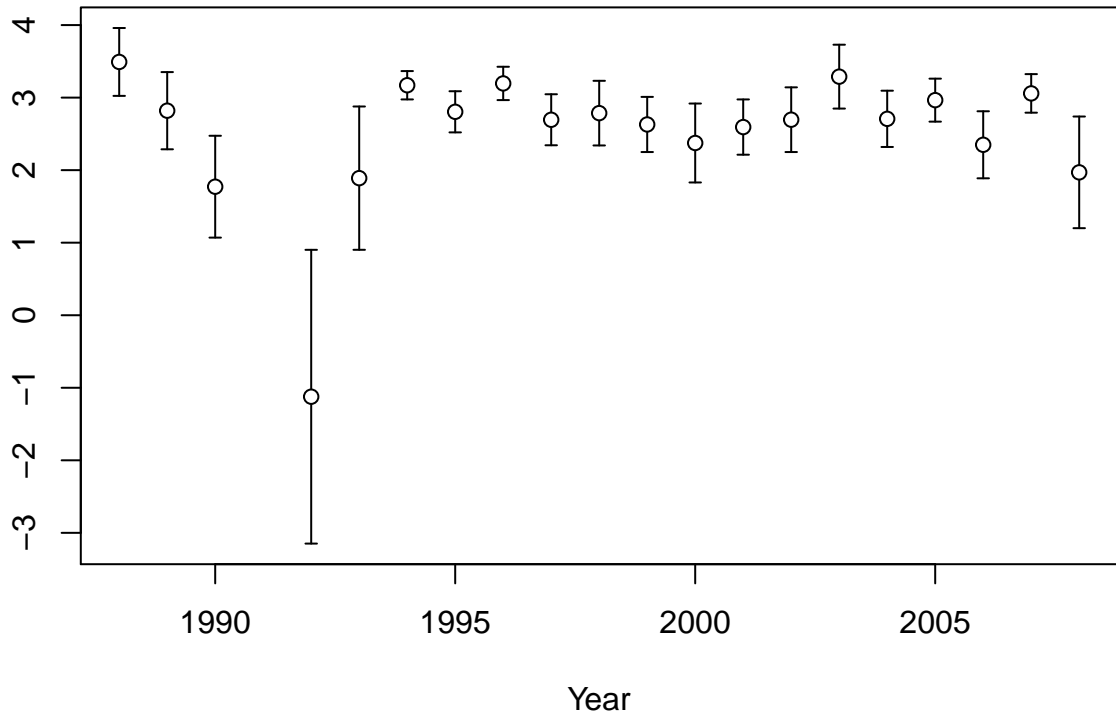




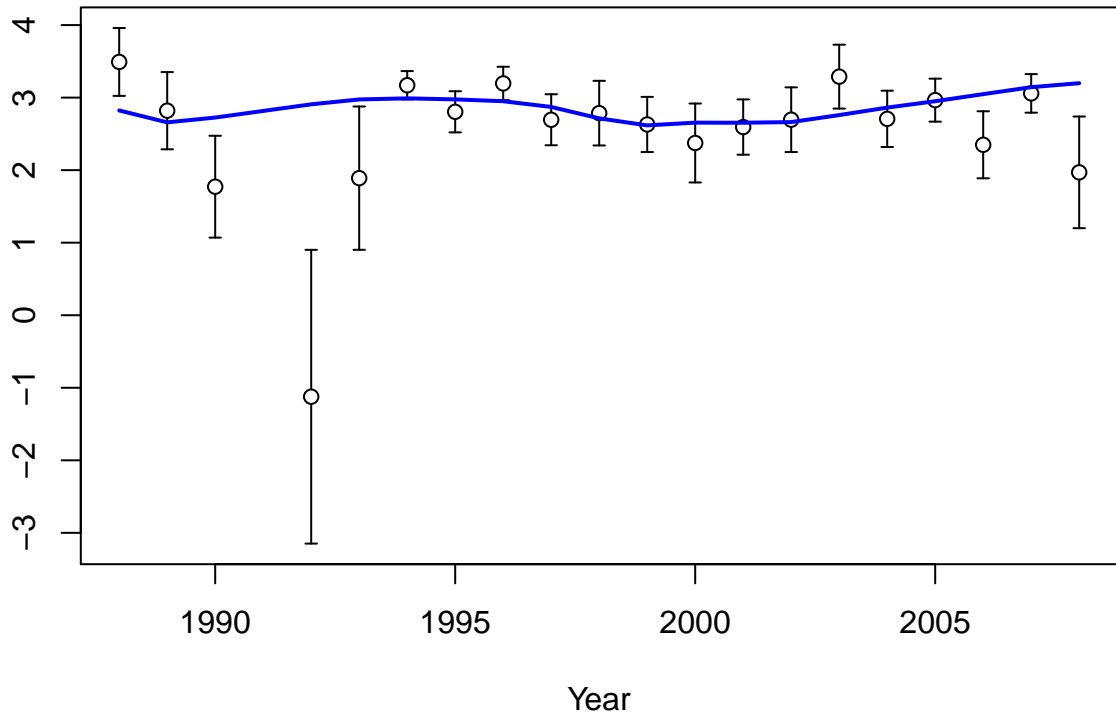


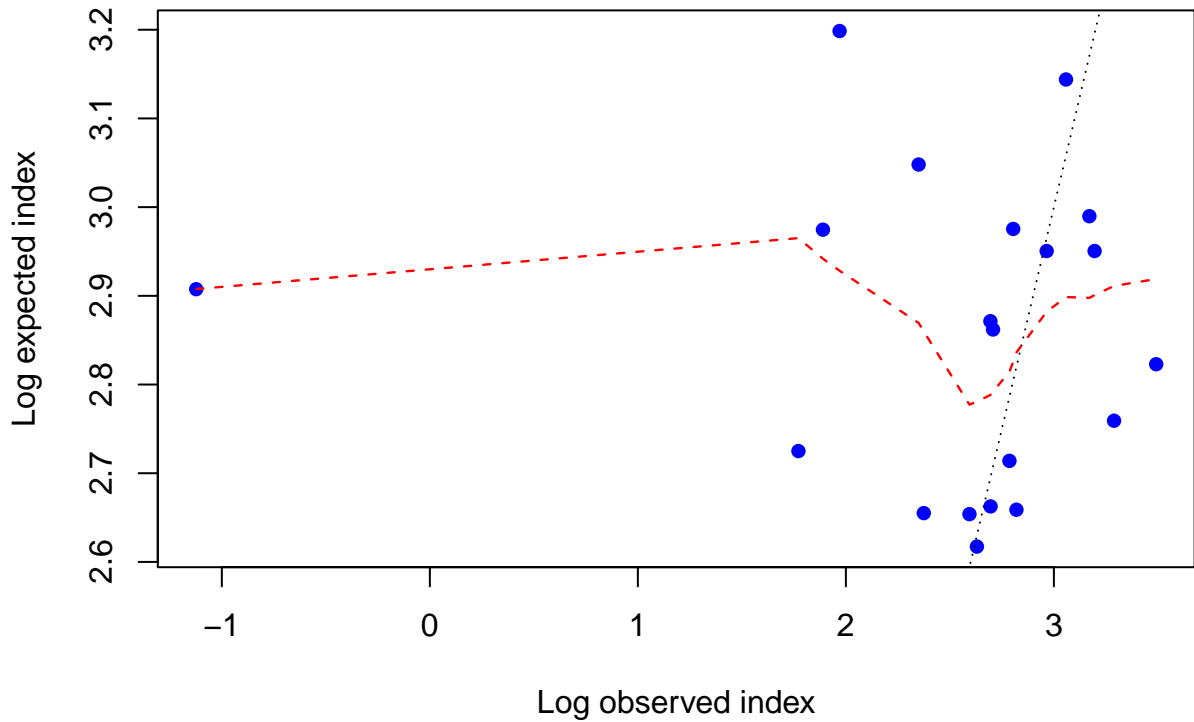


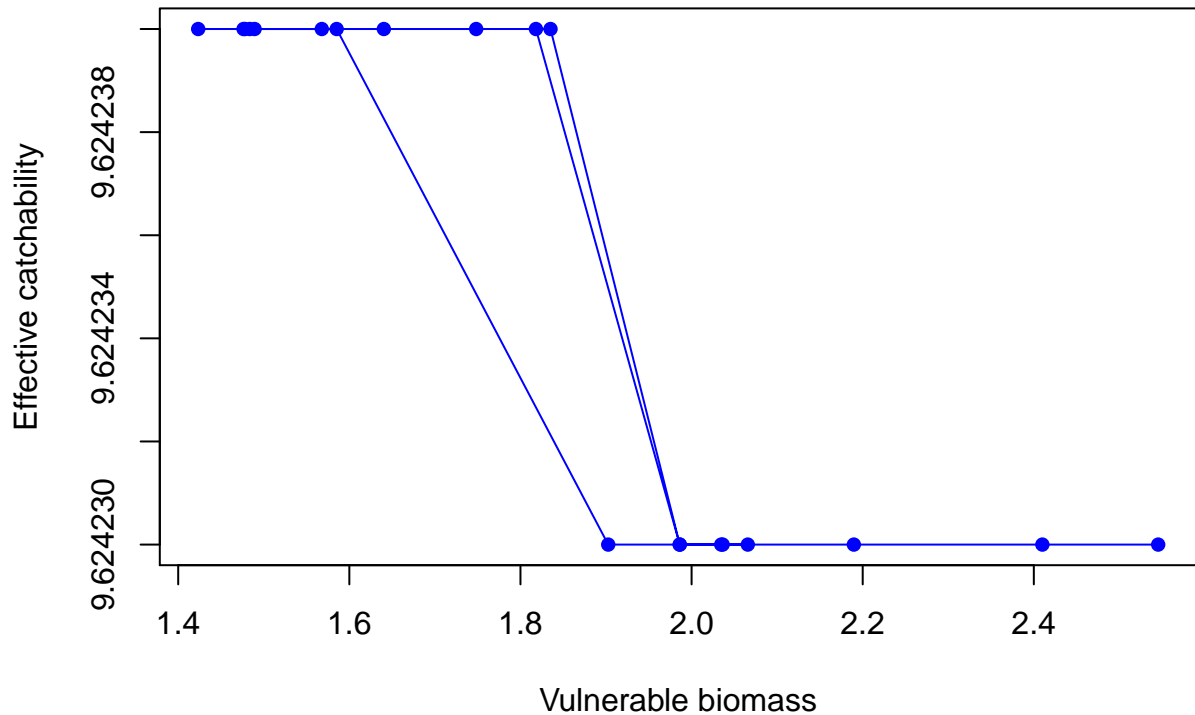
Log index

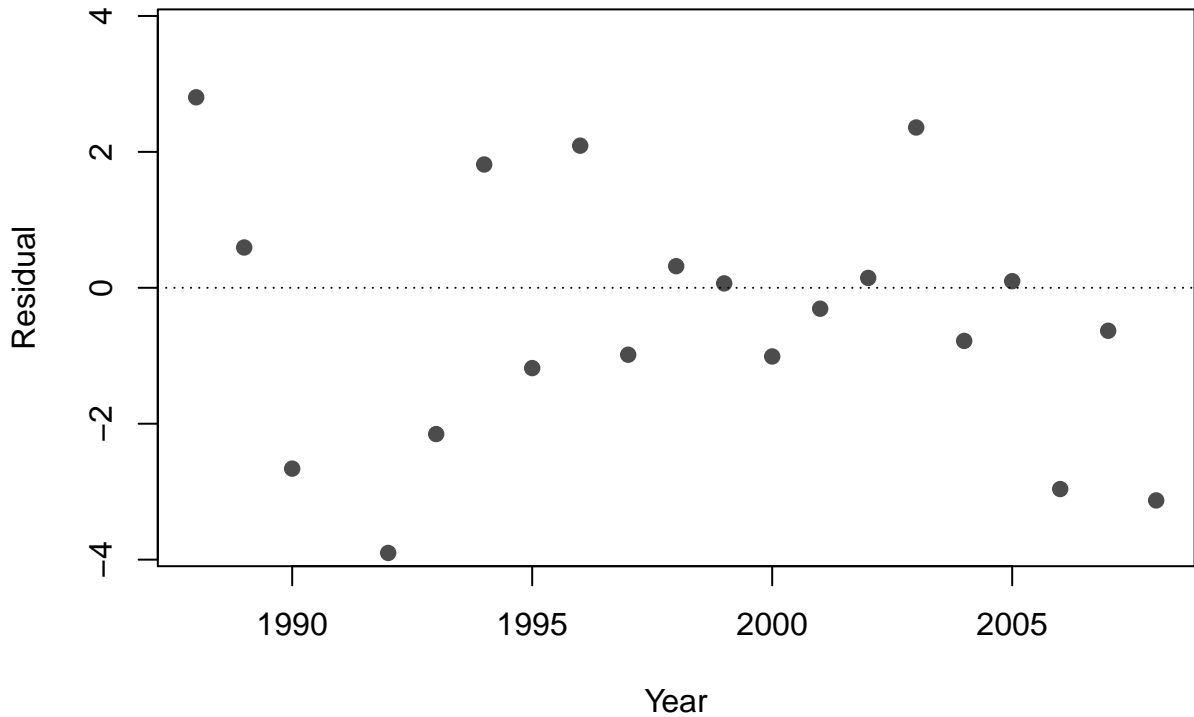


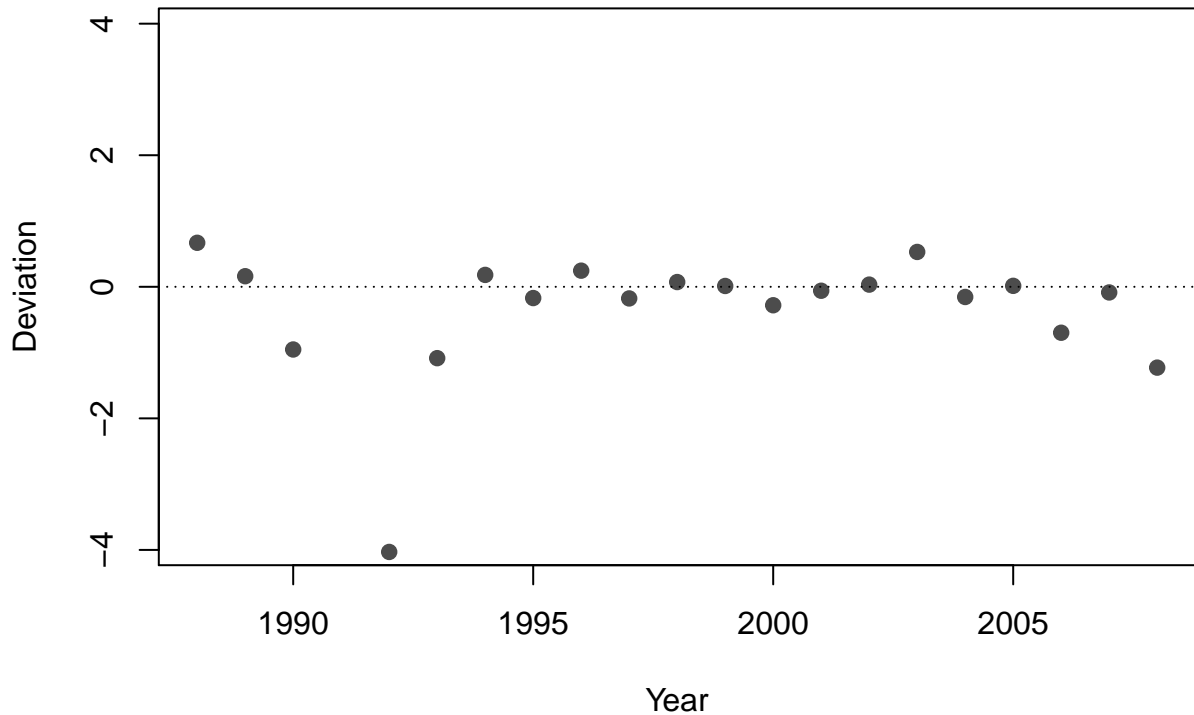
Log index



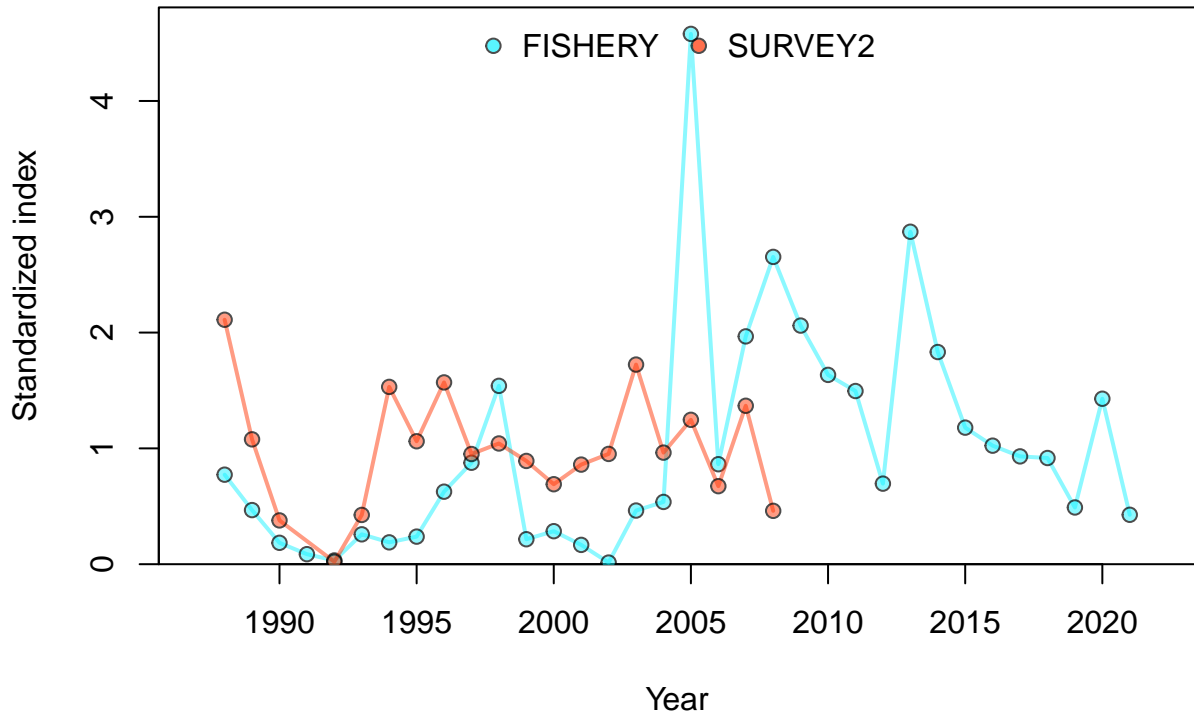


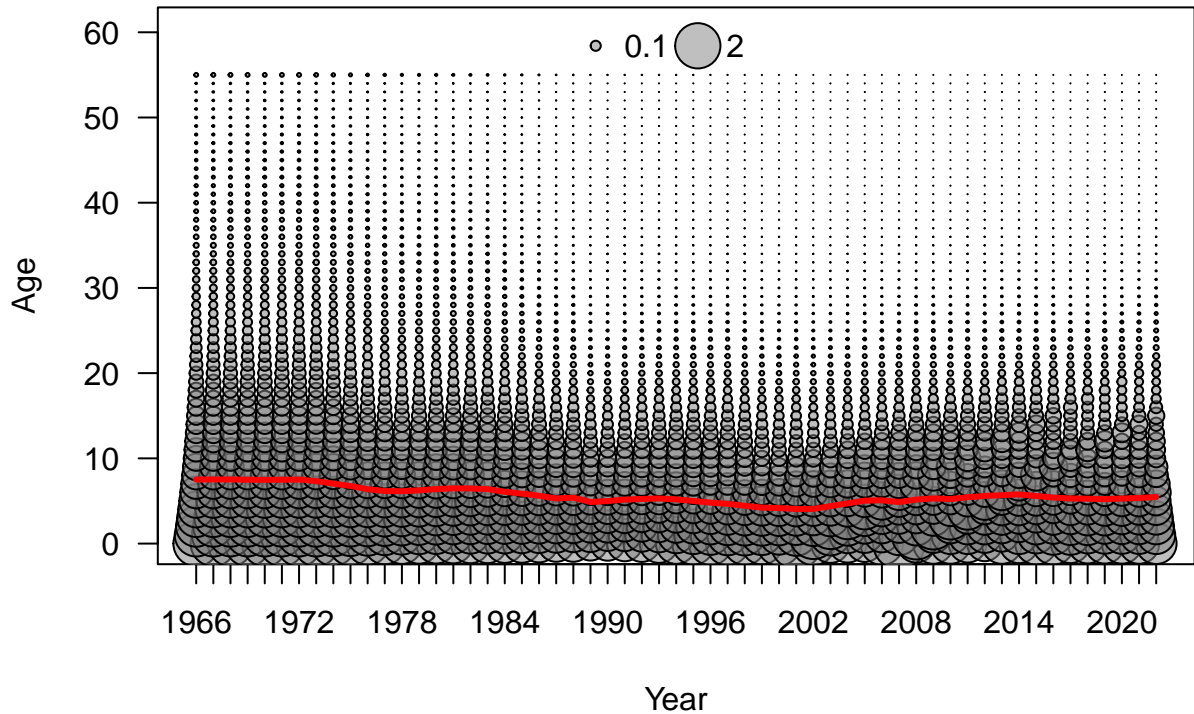


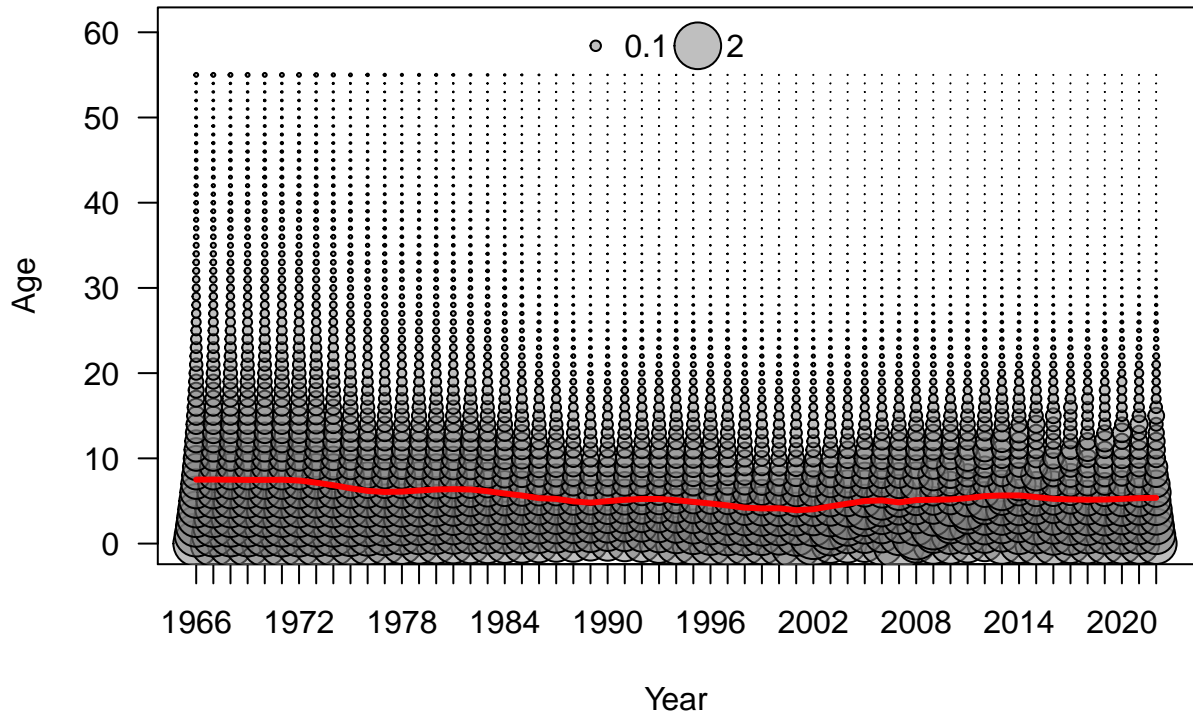


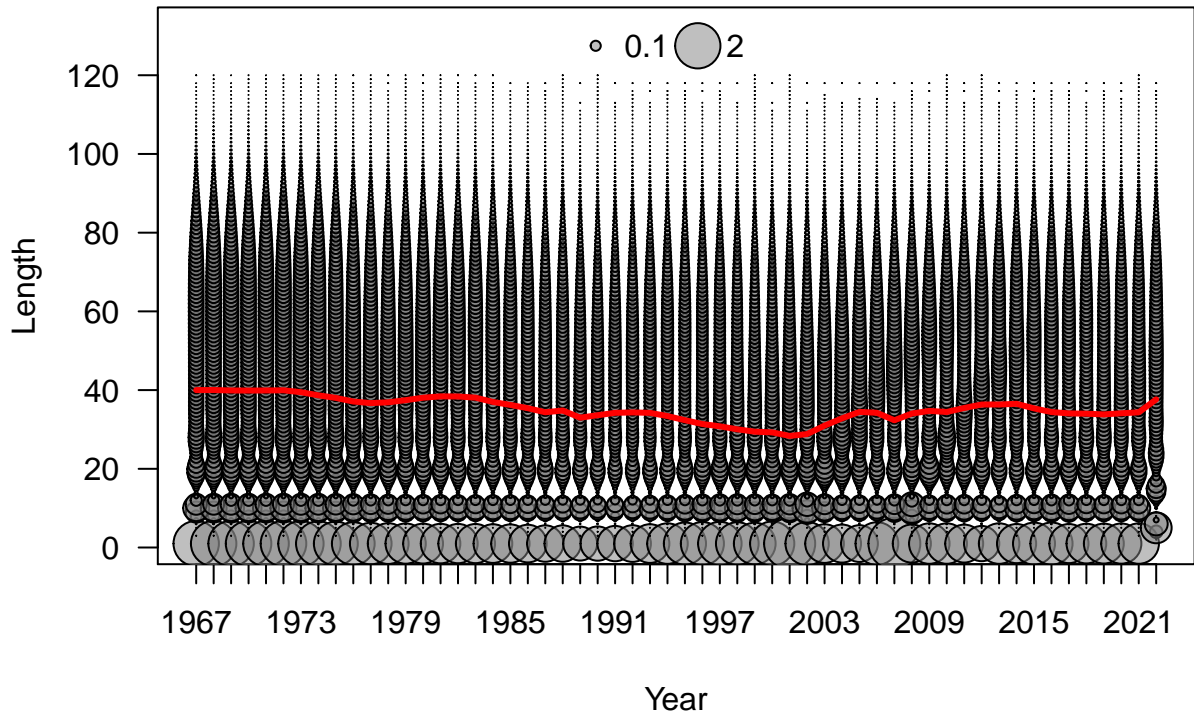


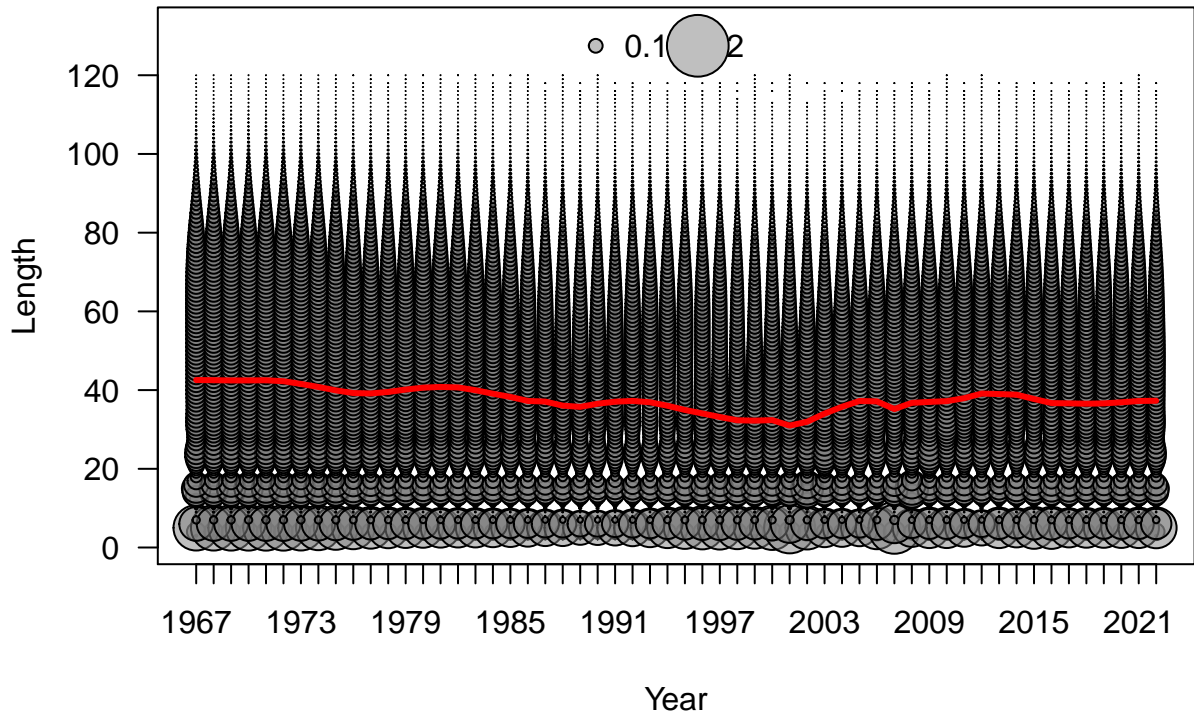


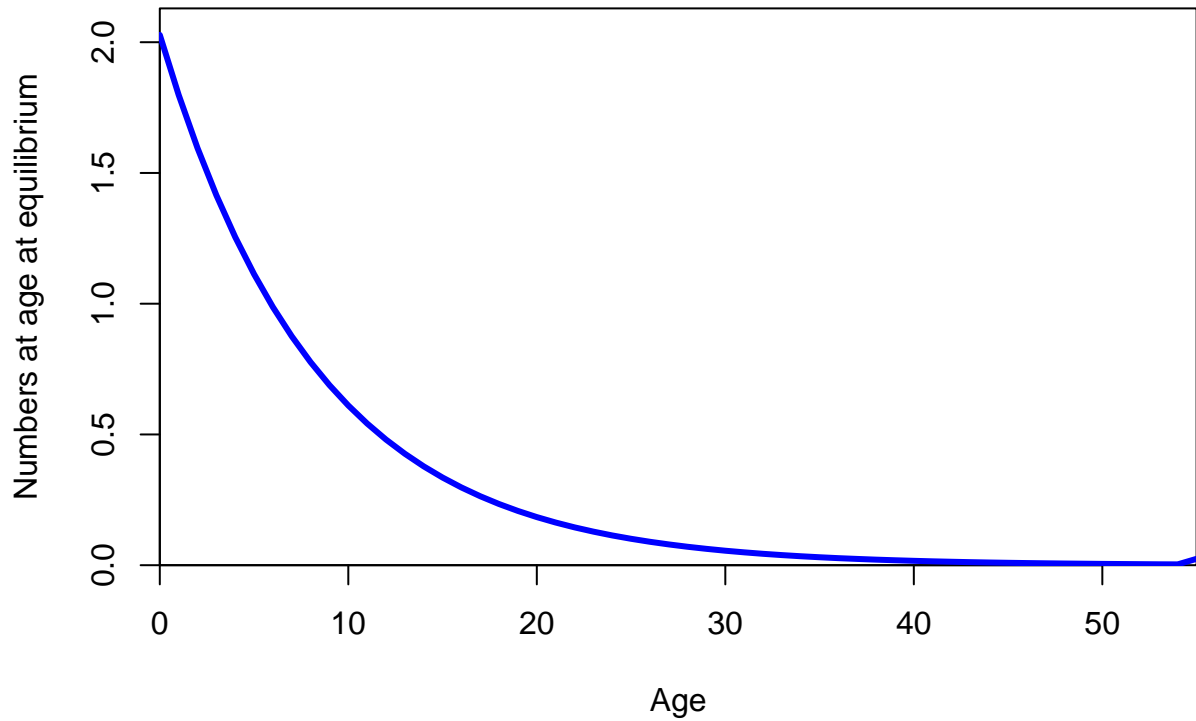


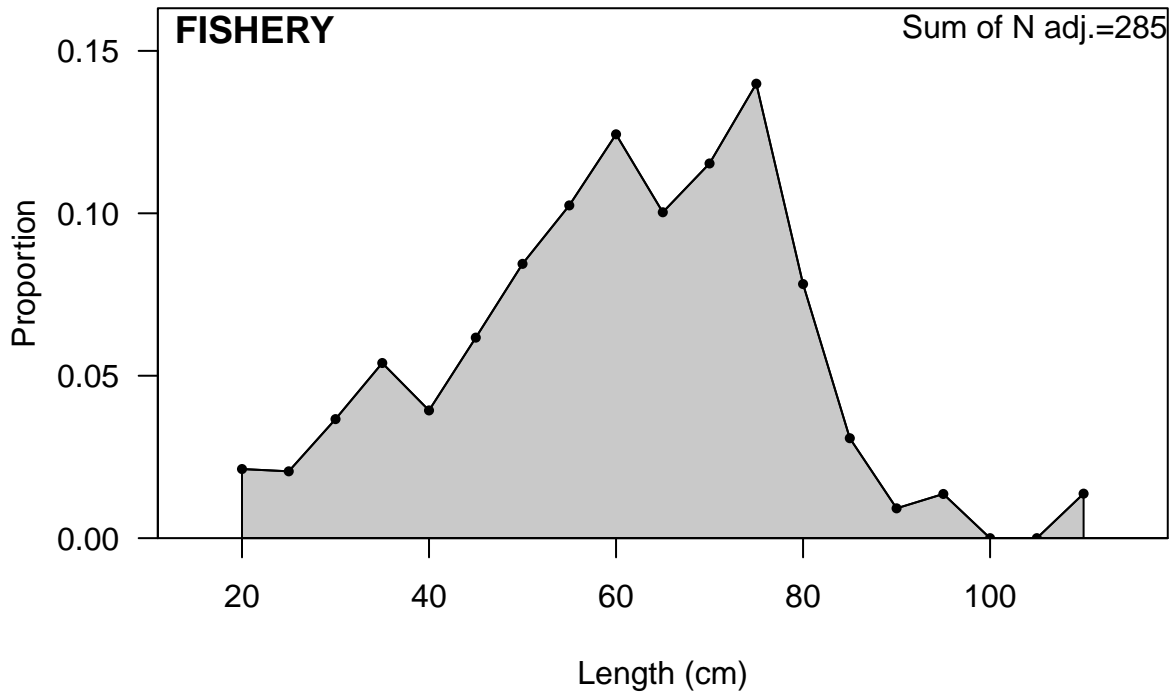






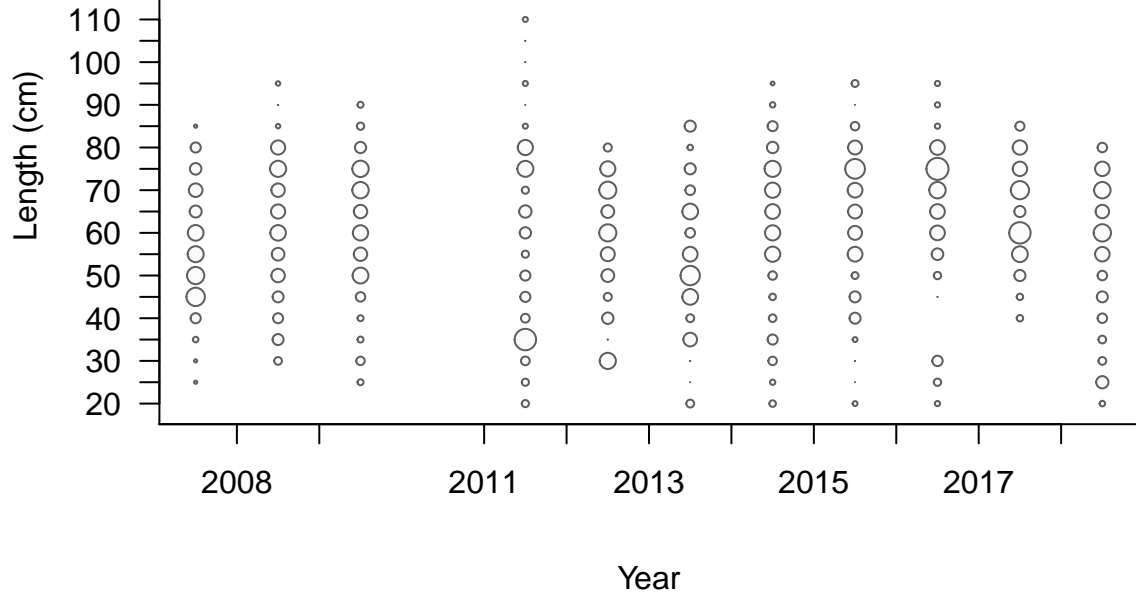






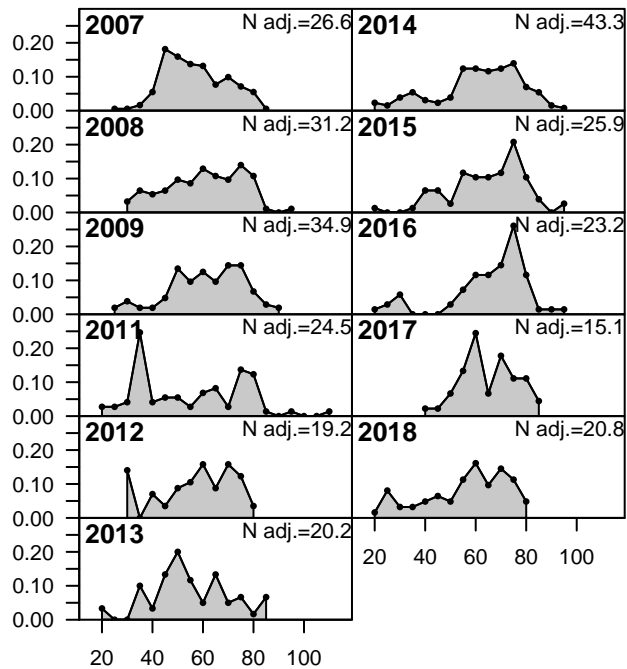
FISHERY

◦ 0.01 ○ 0.2

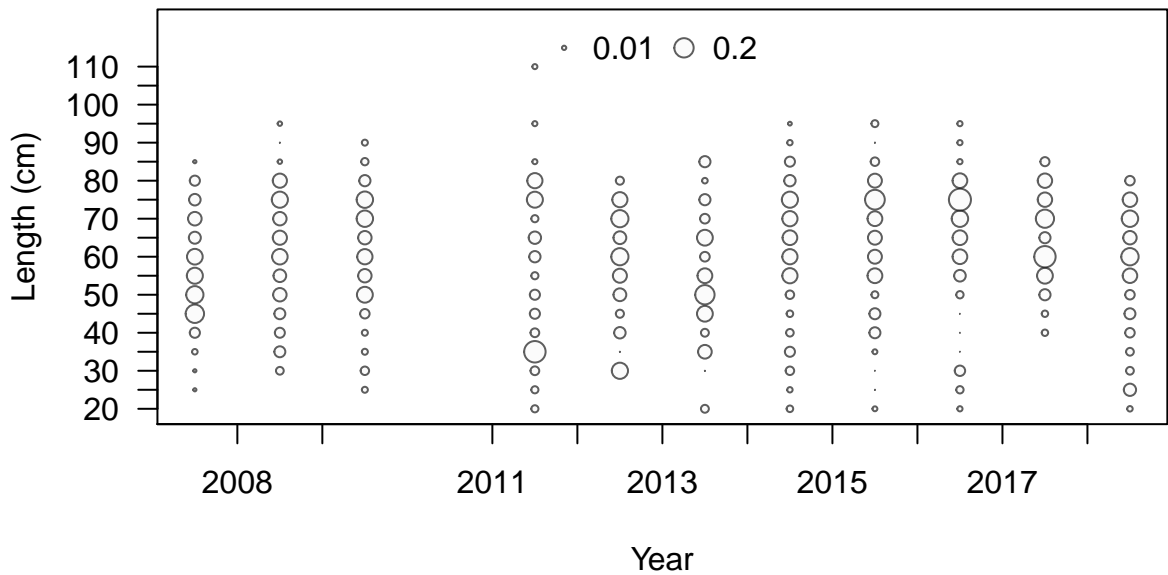




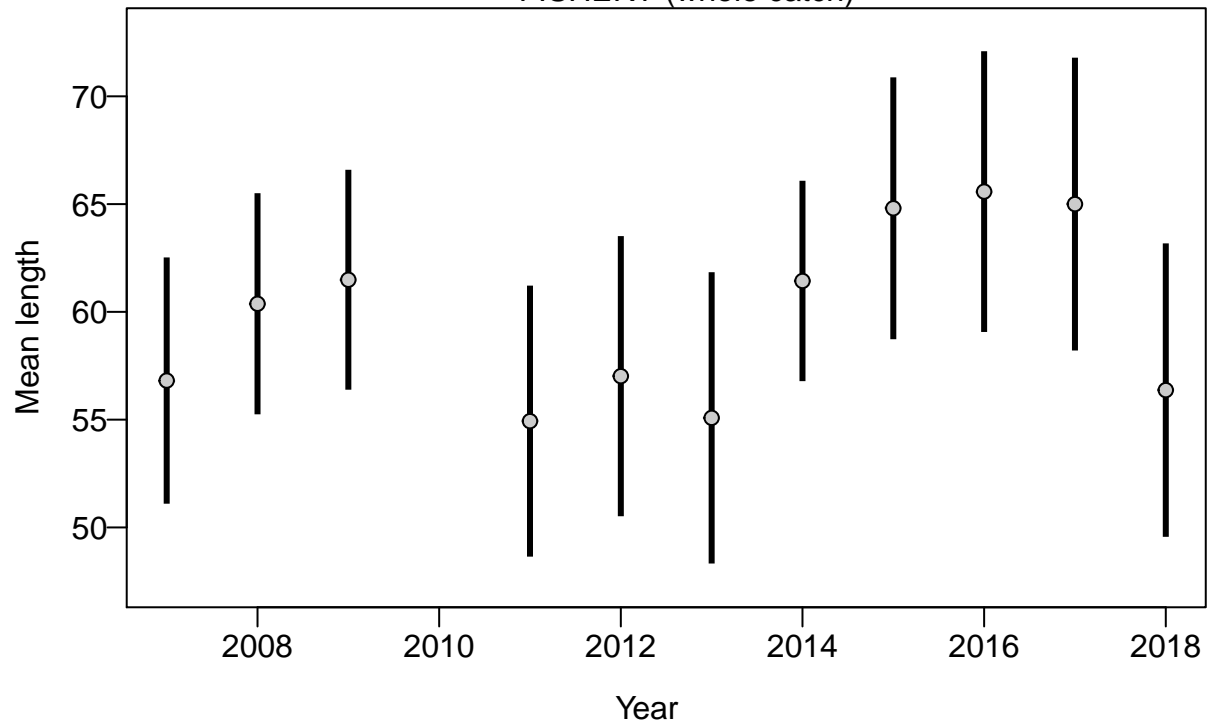
Proportion

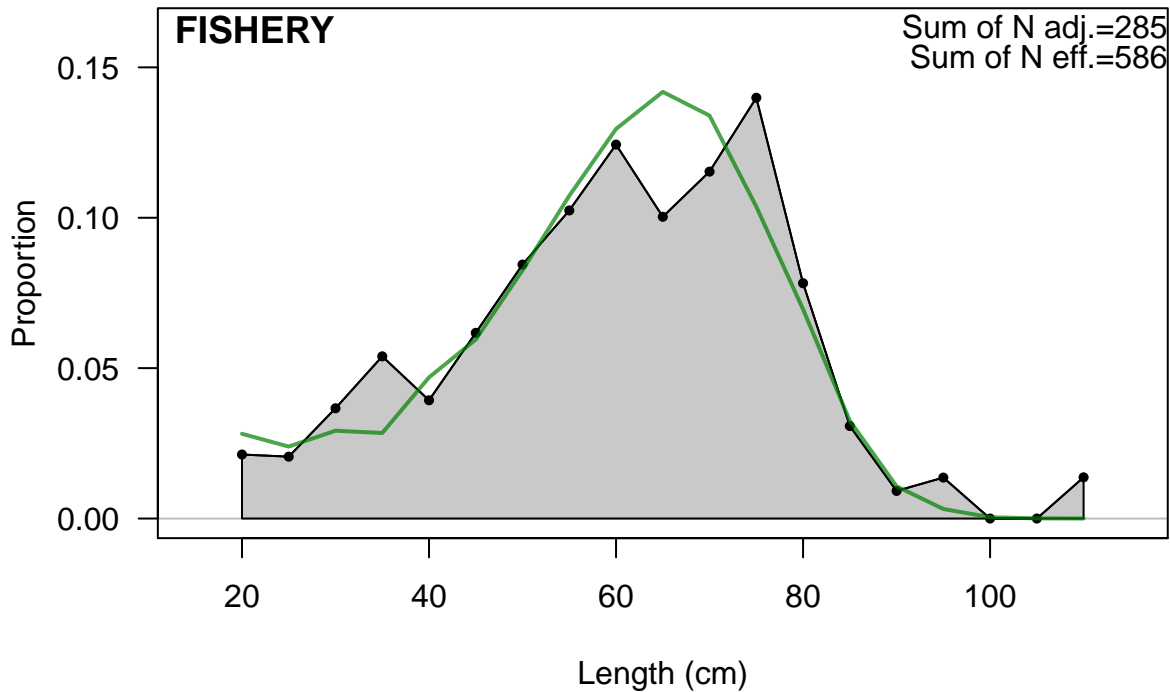


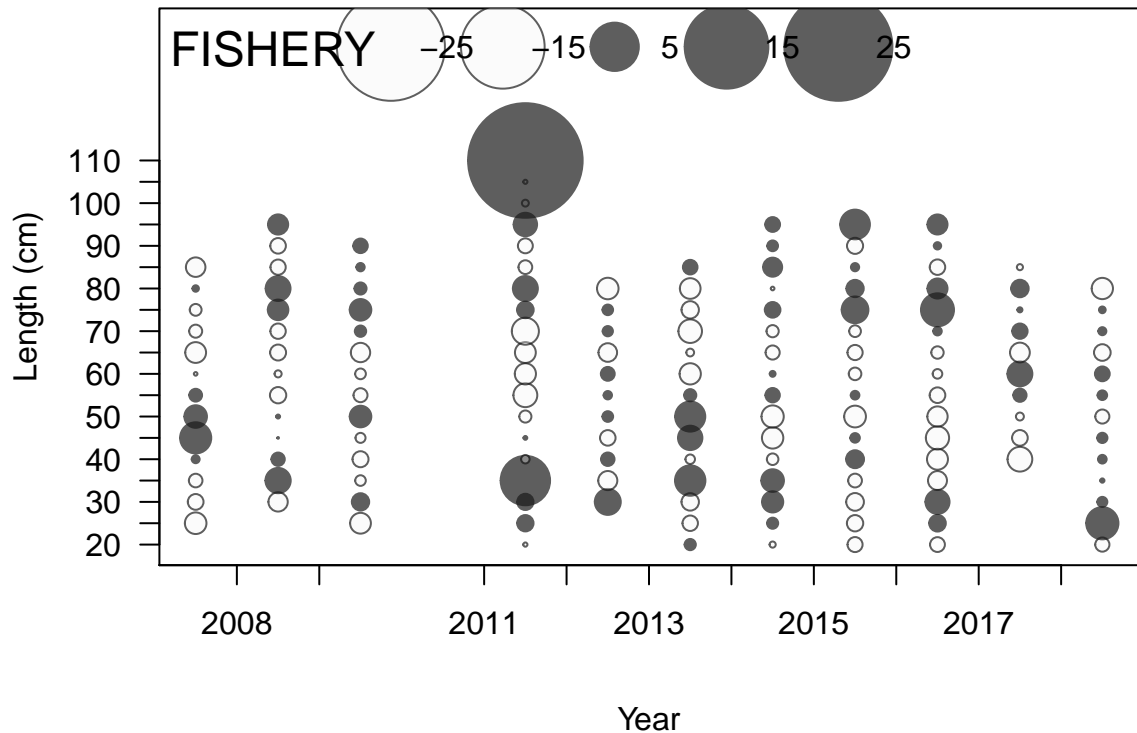
Length (cm)



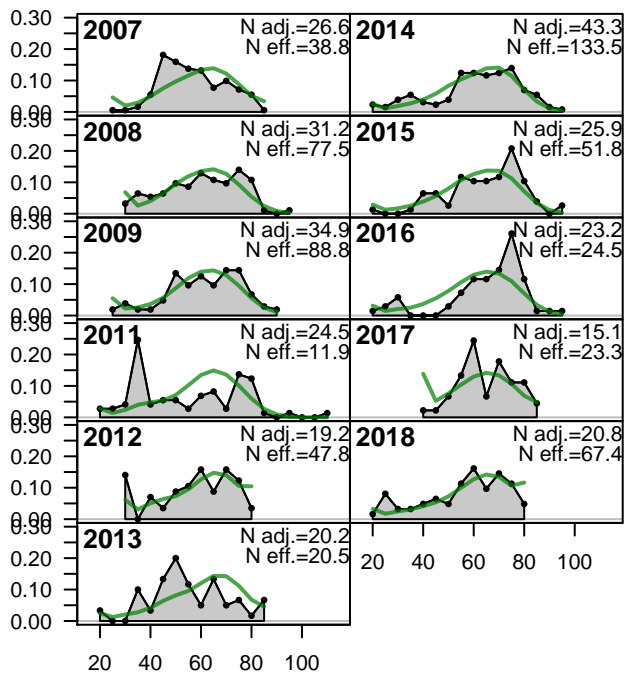
FISHERY (whole catch)



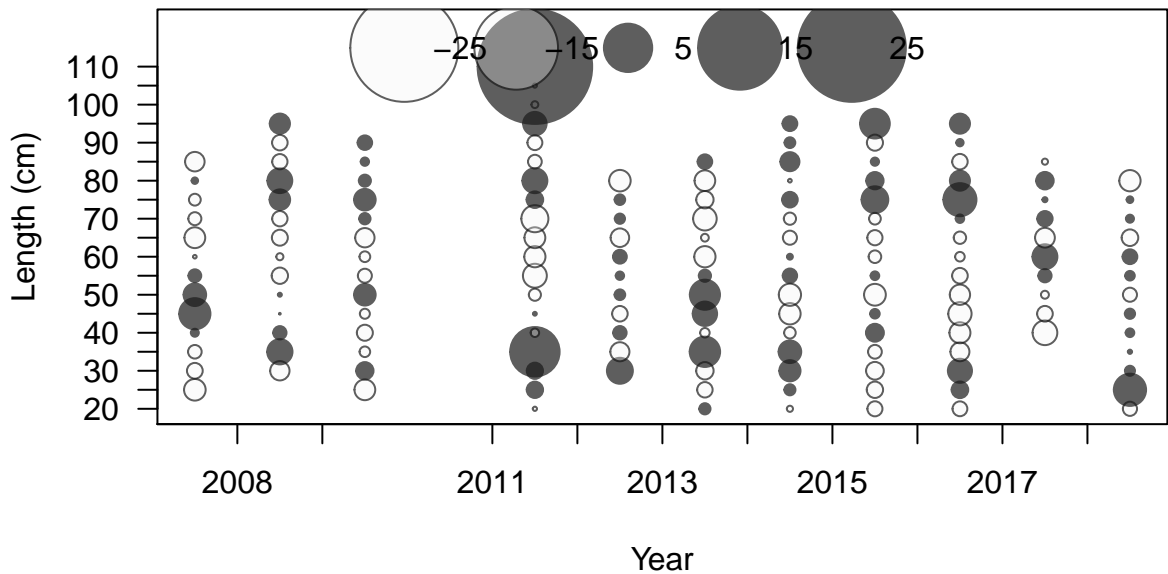




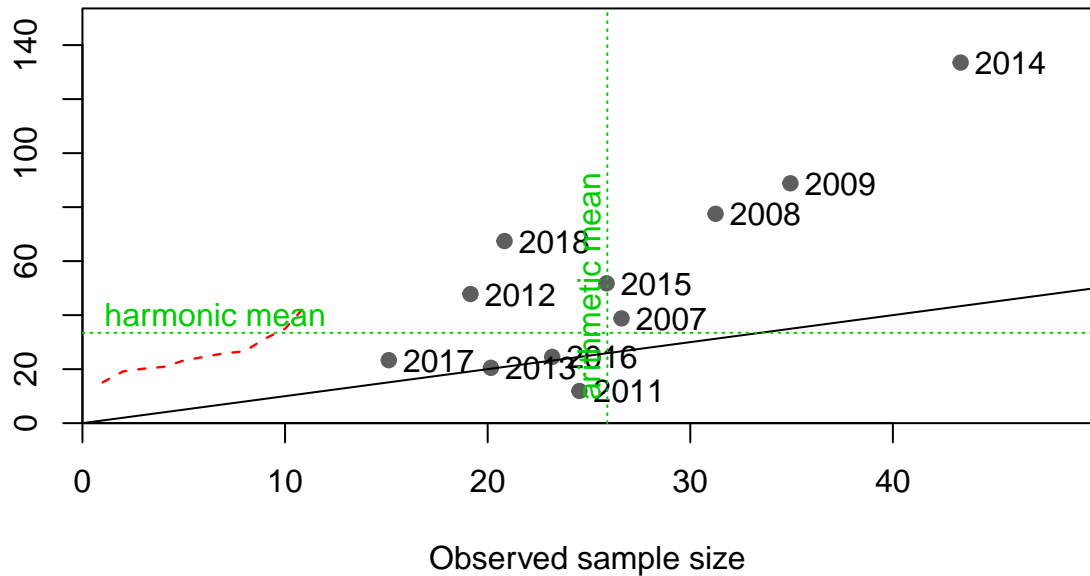
Proportion



Length (cm)

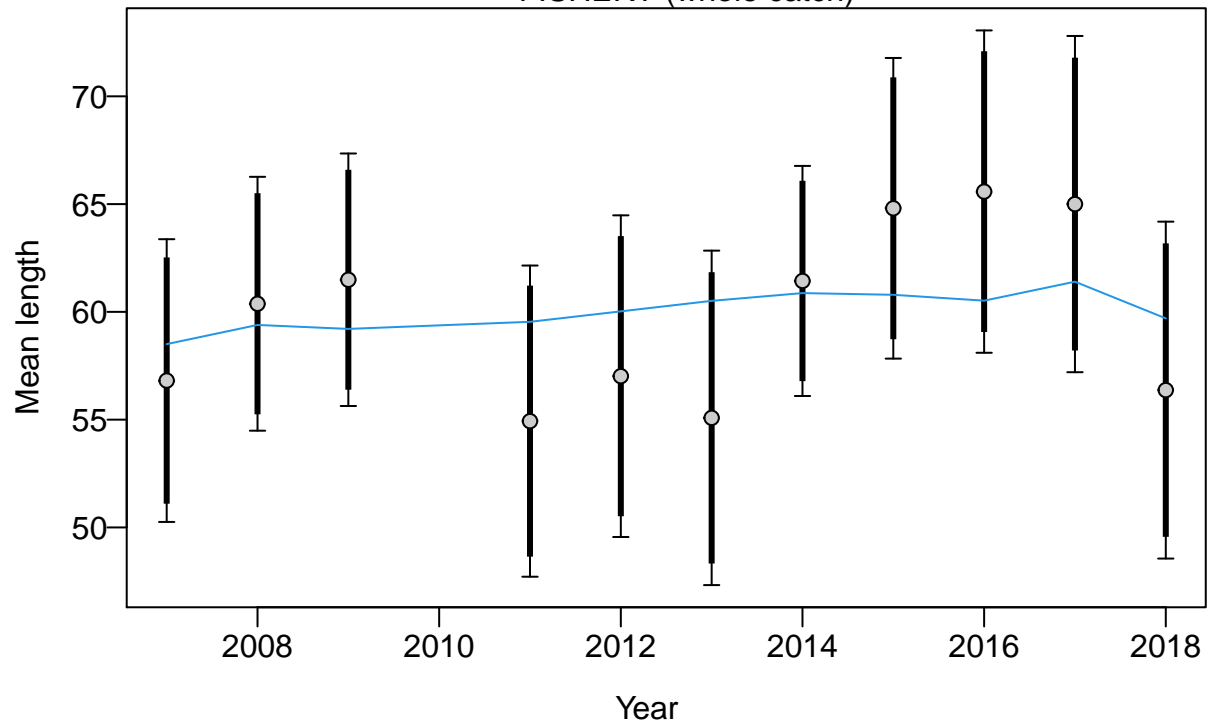


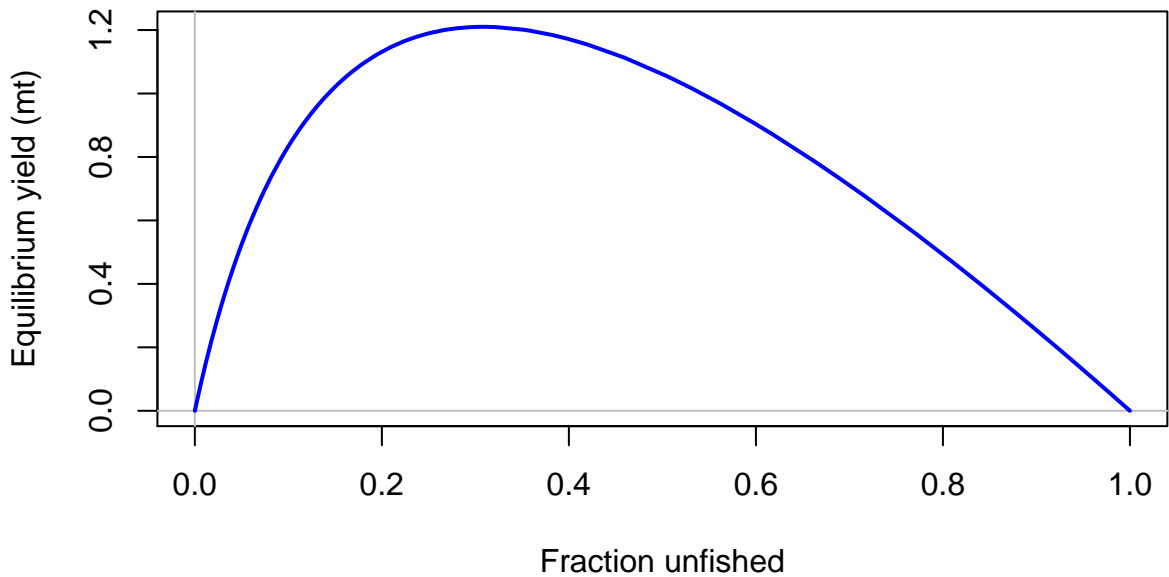
Effective sample size

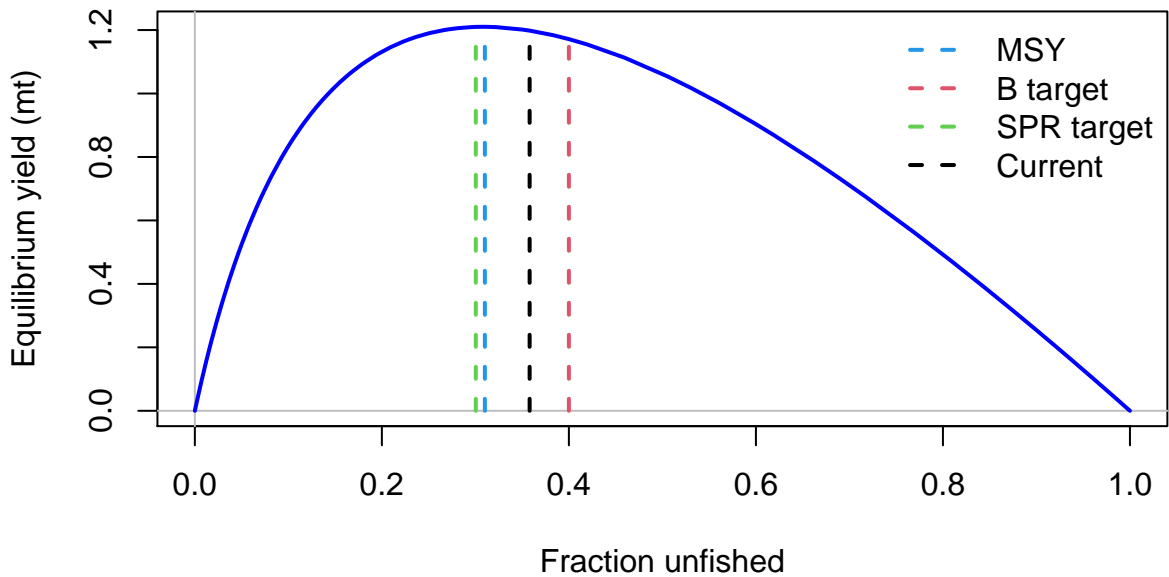


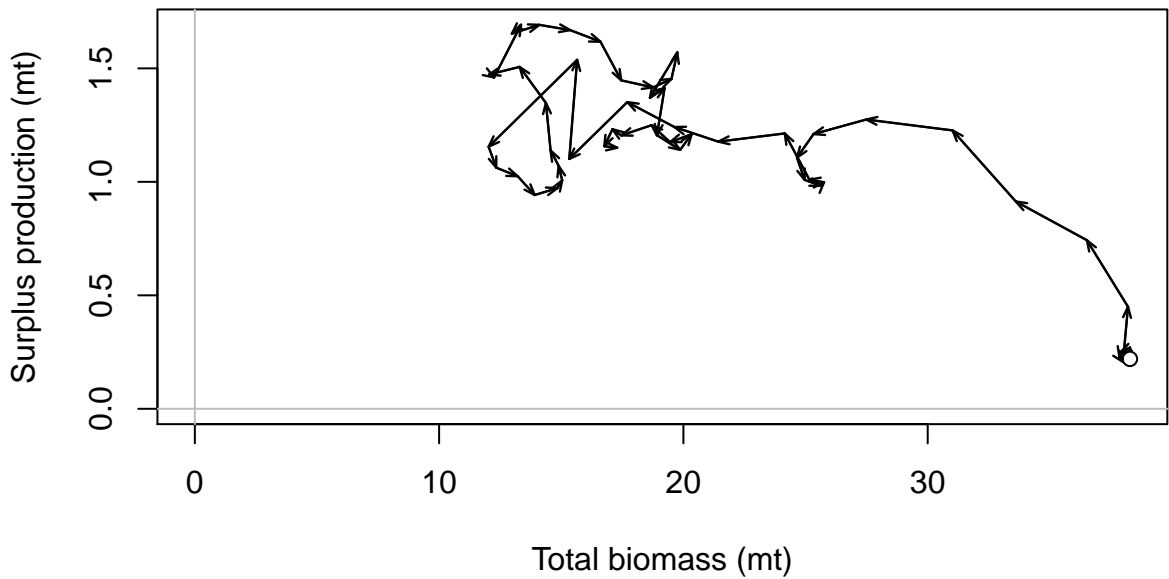


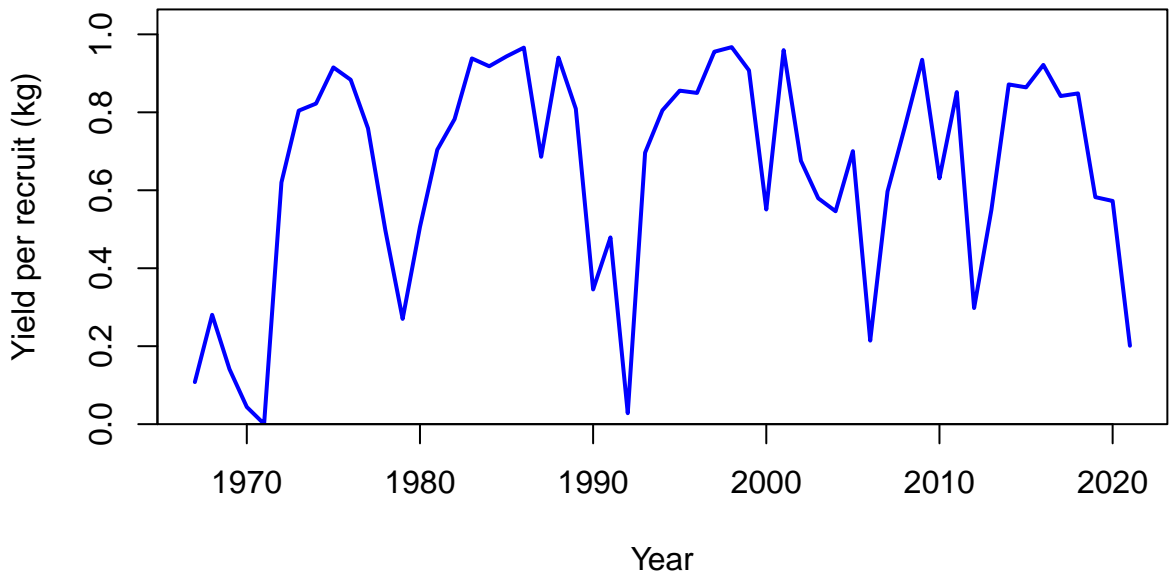
FISHERY (whole catch)

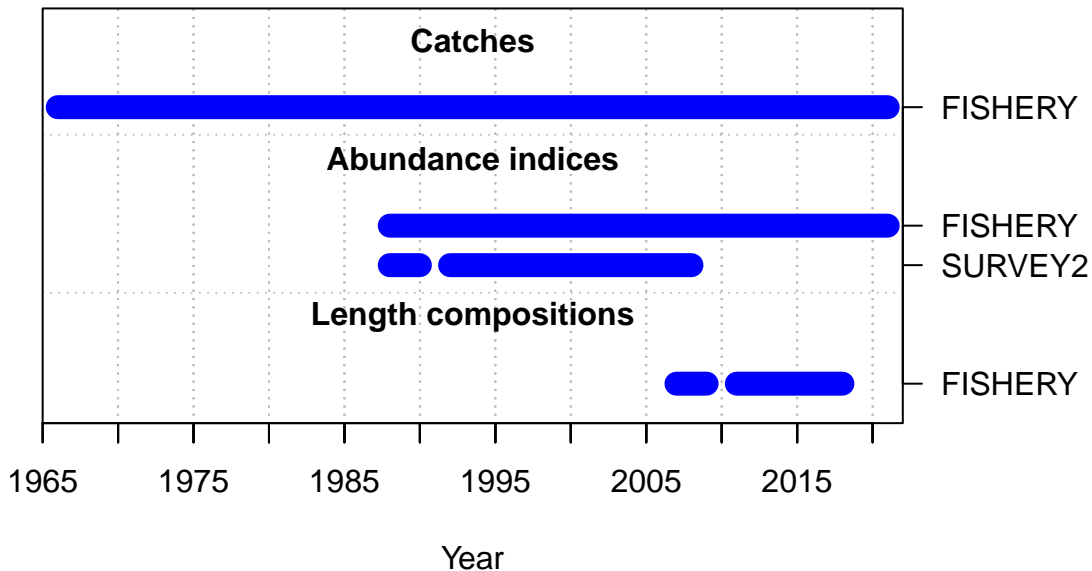


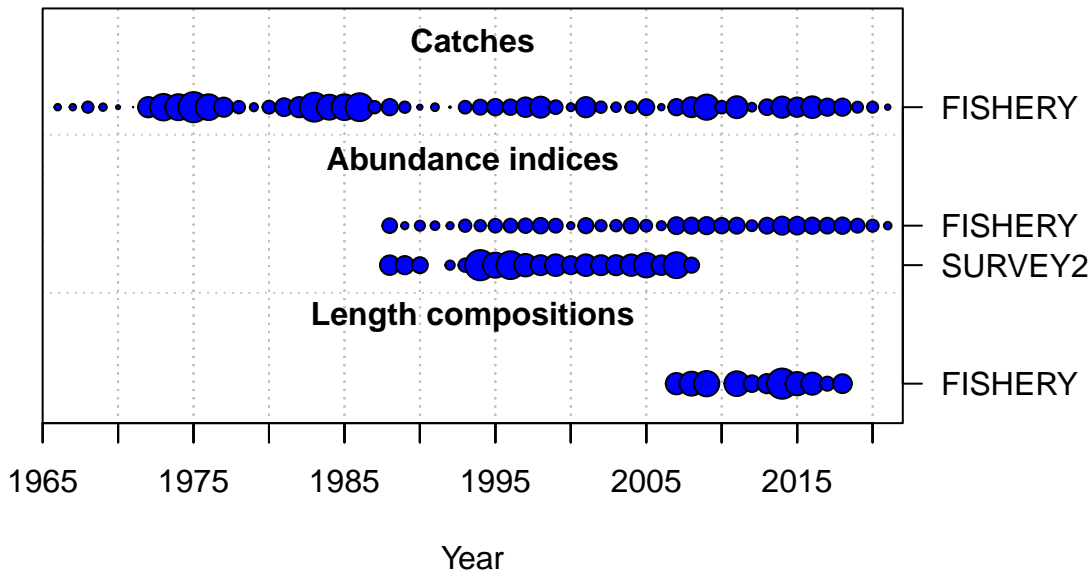




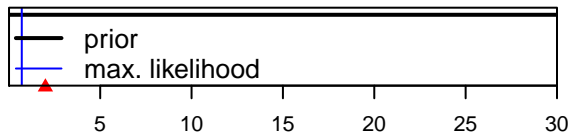




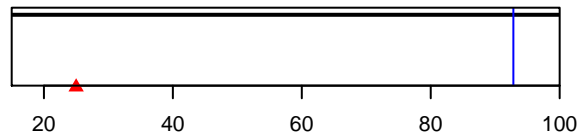




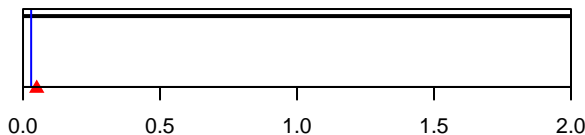
SR\_LN(R0)



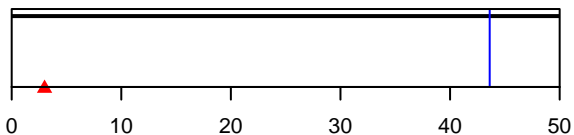
Size\_inflection\_FISHERY(1)



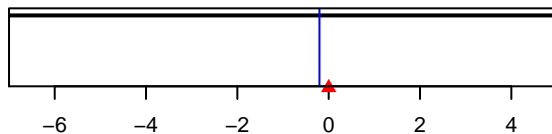
InitF\_seas\_1\_flt\_1FISHERY



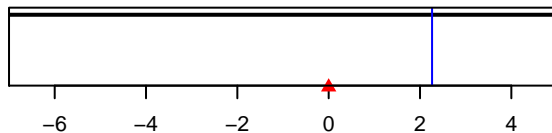
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)



Parameter value