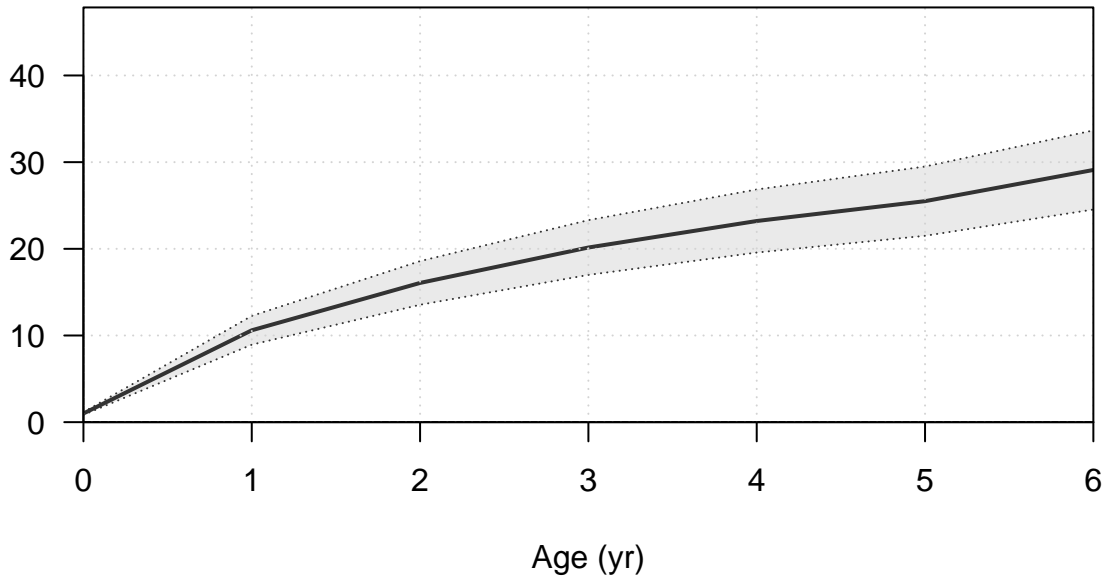
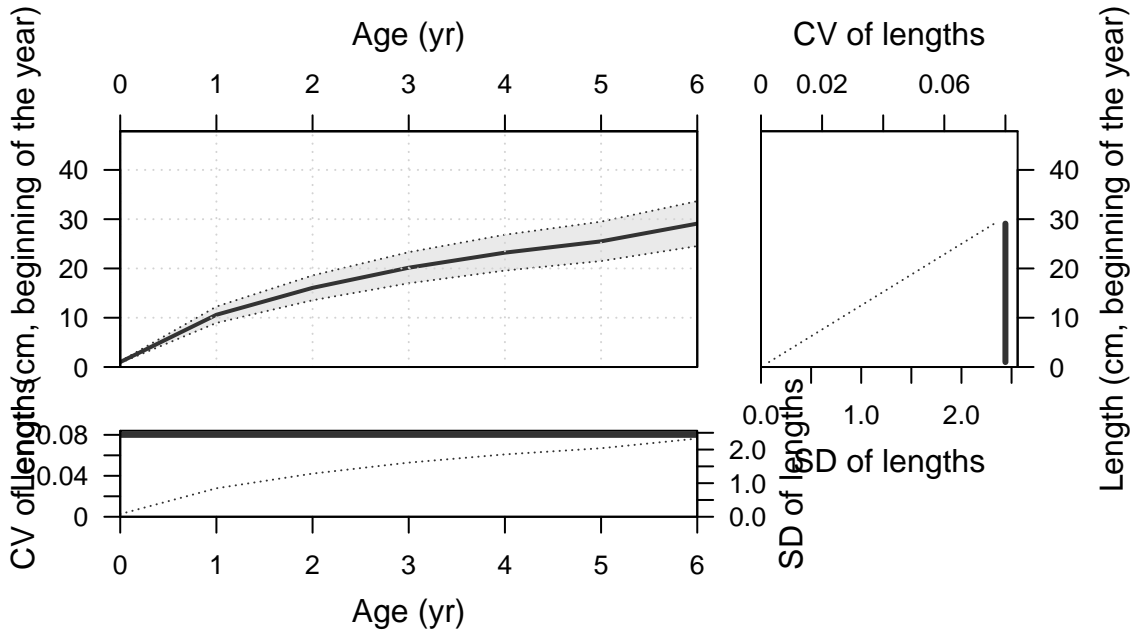
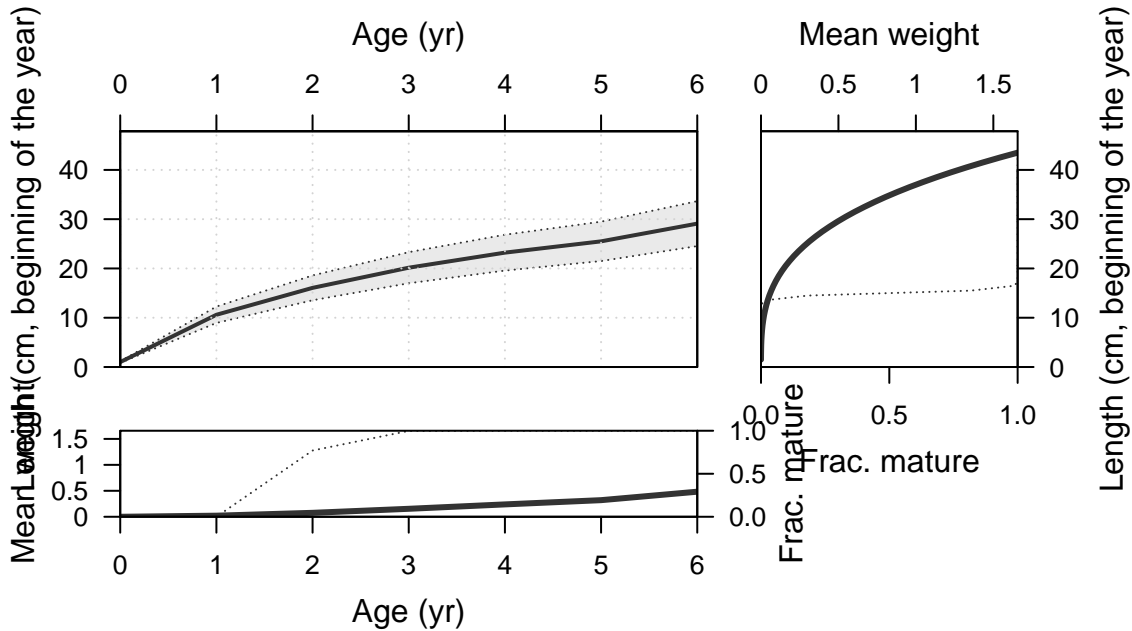


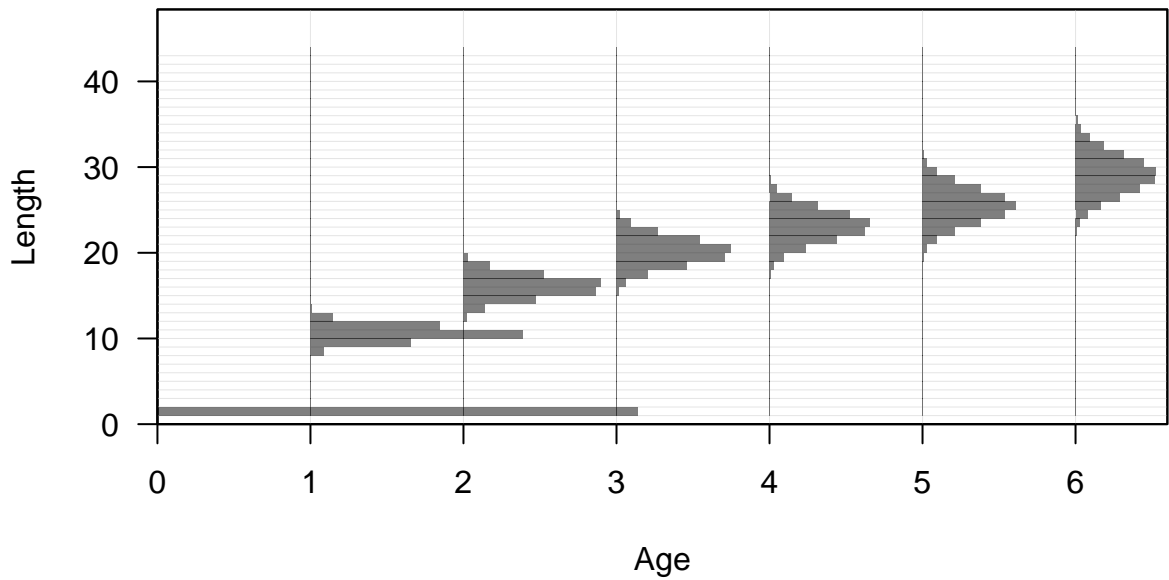
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Sat Jul 23 08:58:50 2022  
Data\_File: data.ss  
Control\_File: control.ss

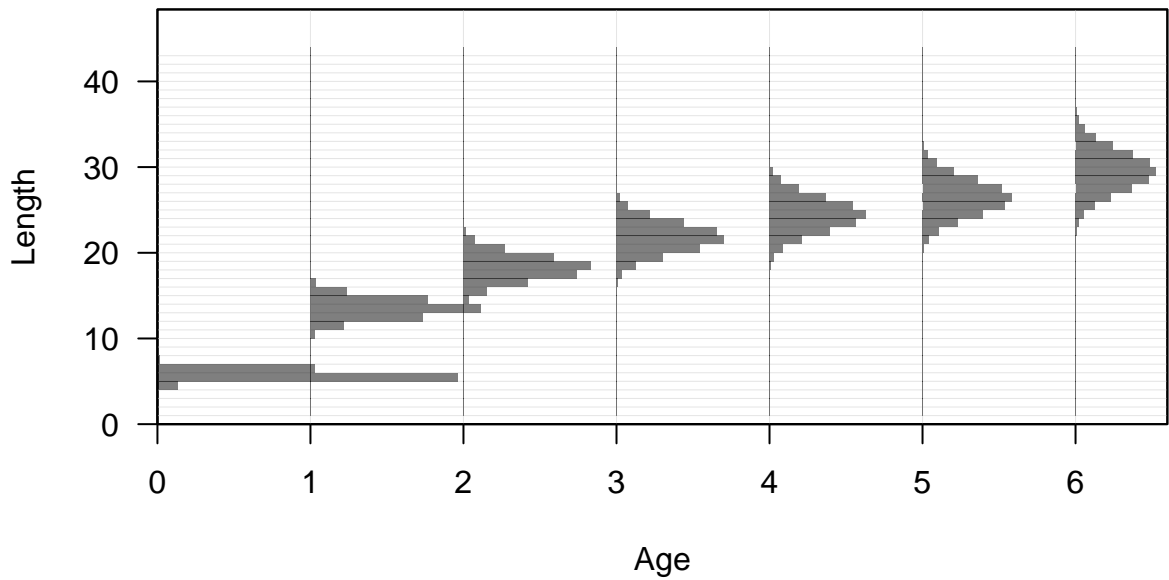
Length (cm, beginning of the year)















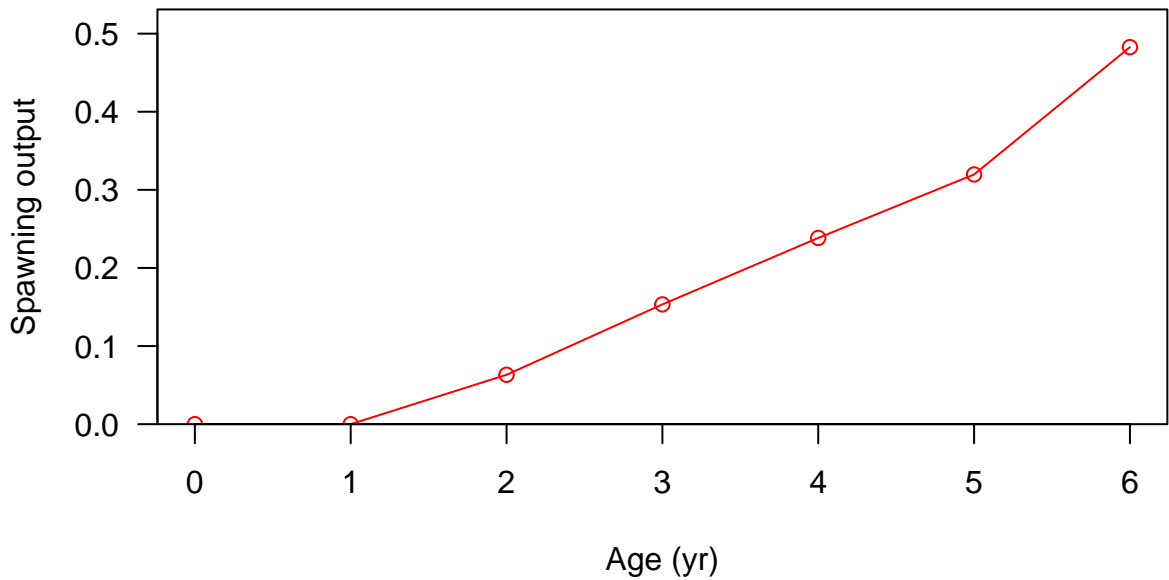




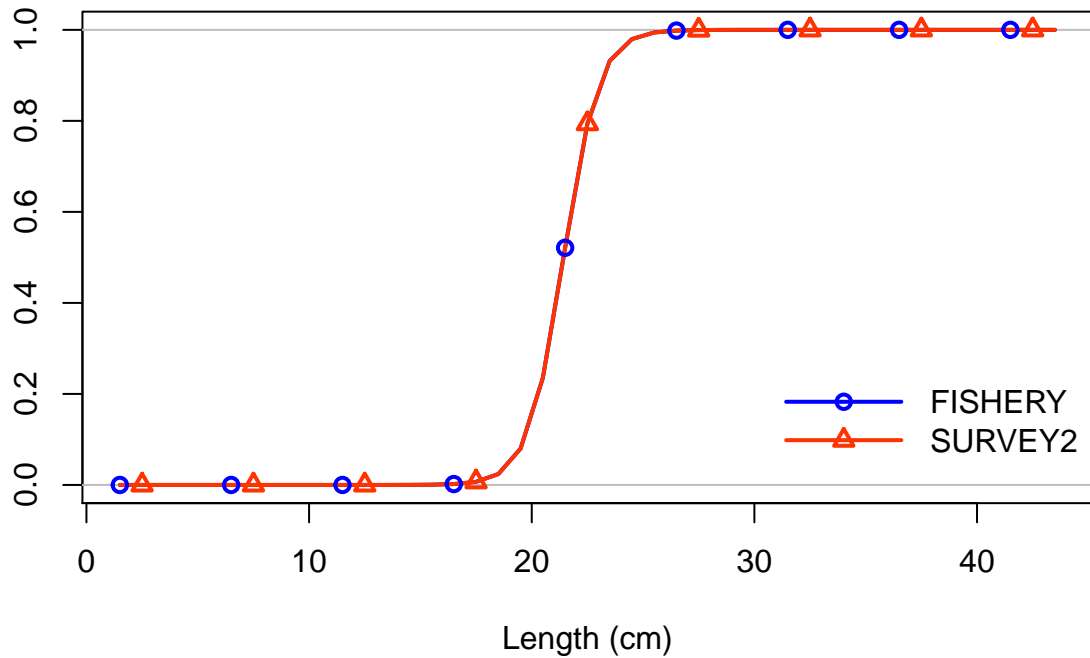




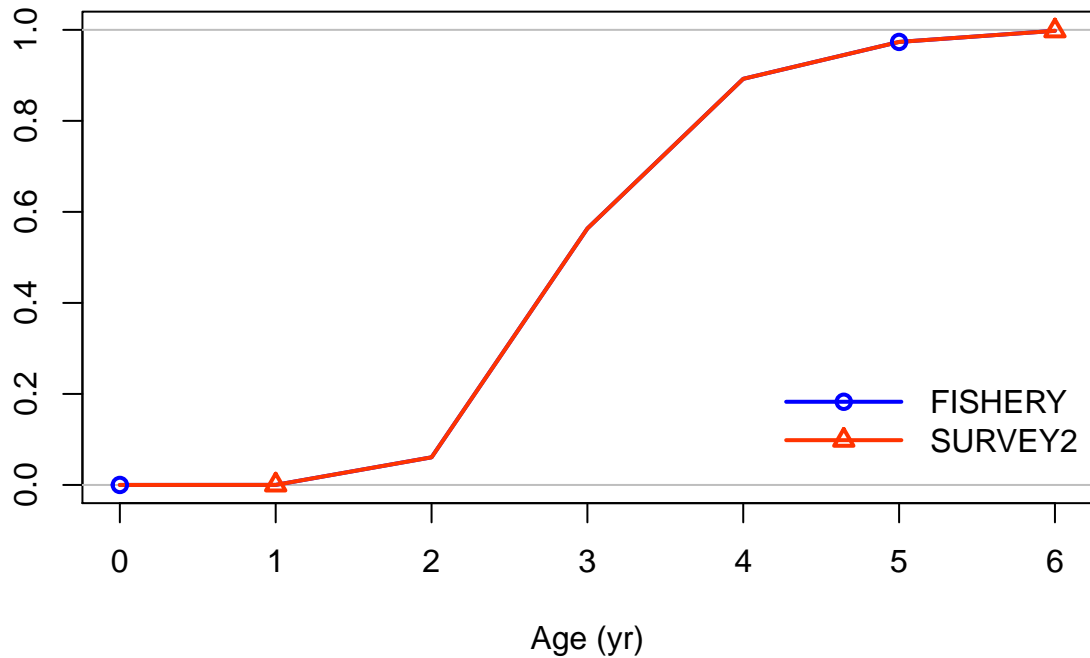




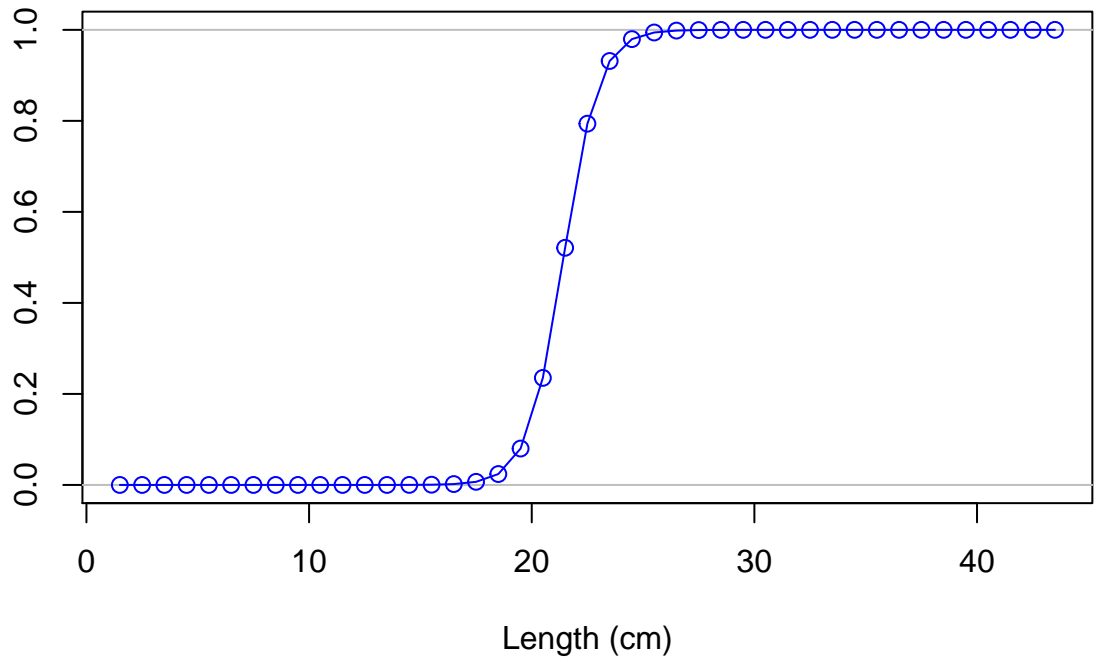
Selectivity



Selectivity

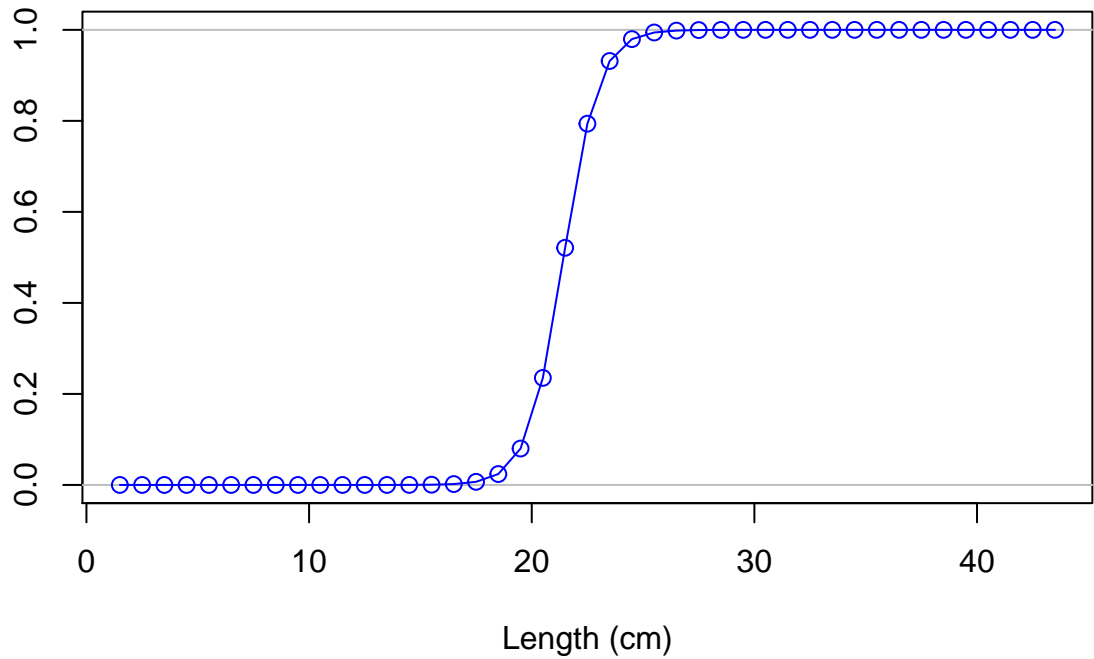


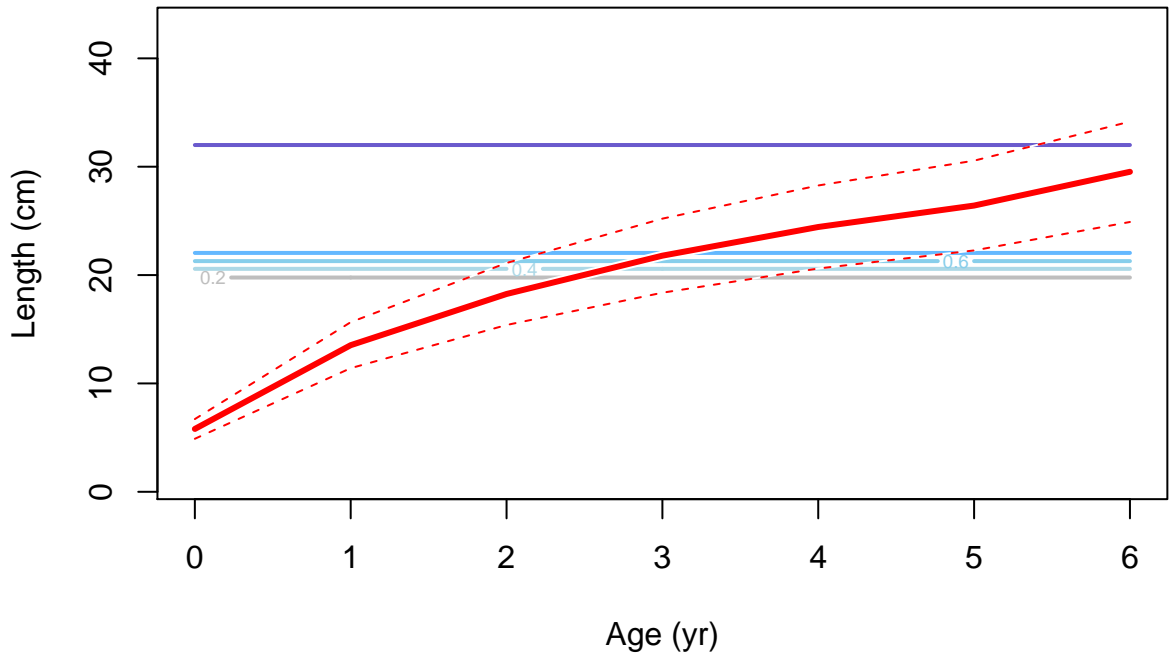
Selectivity

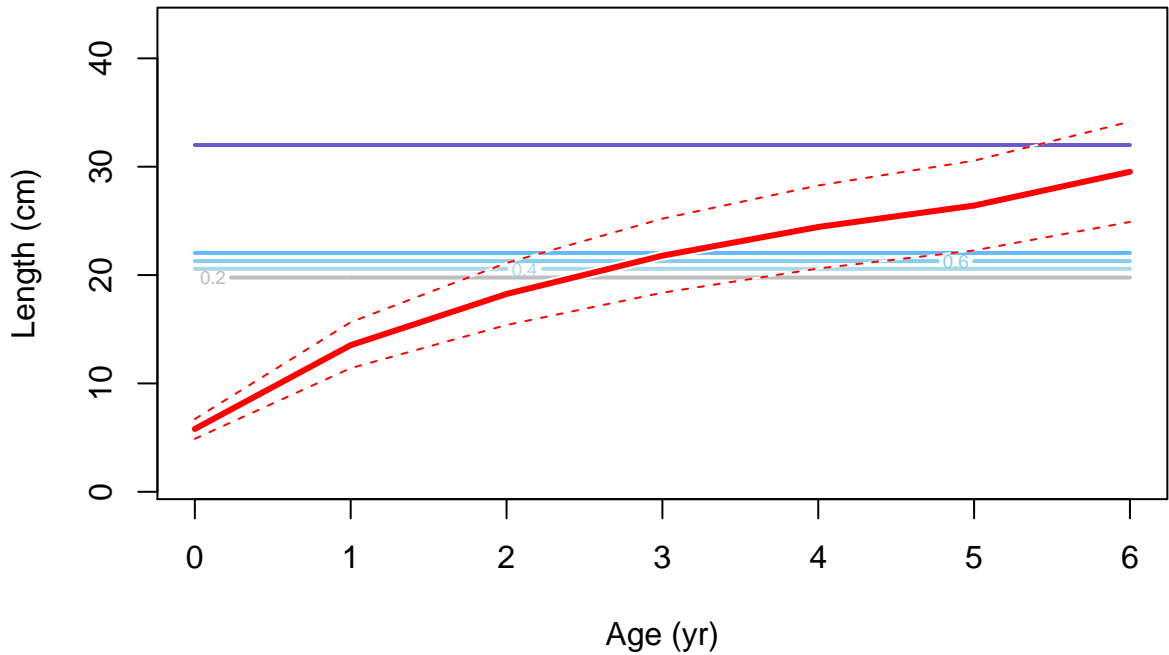




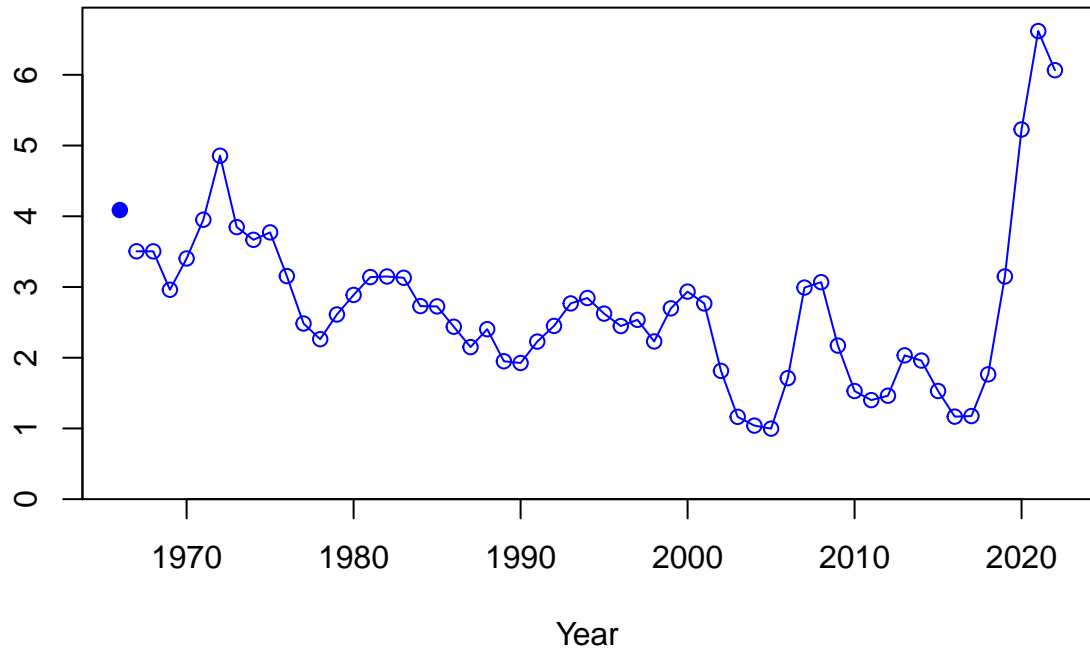
Selectivity



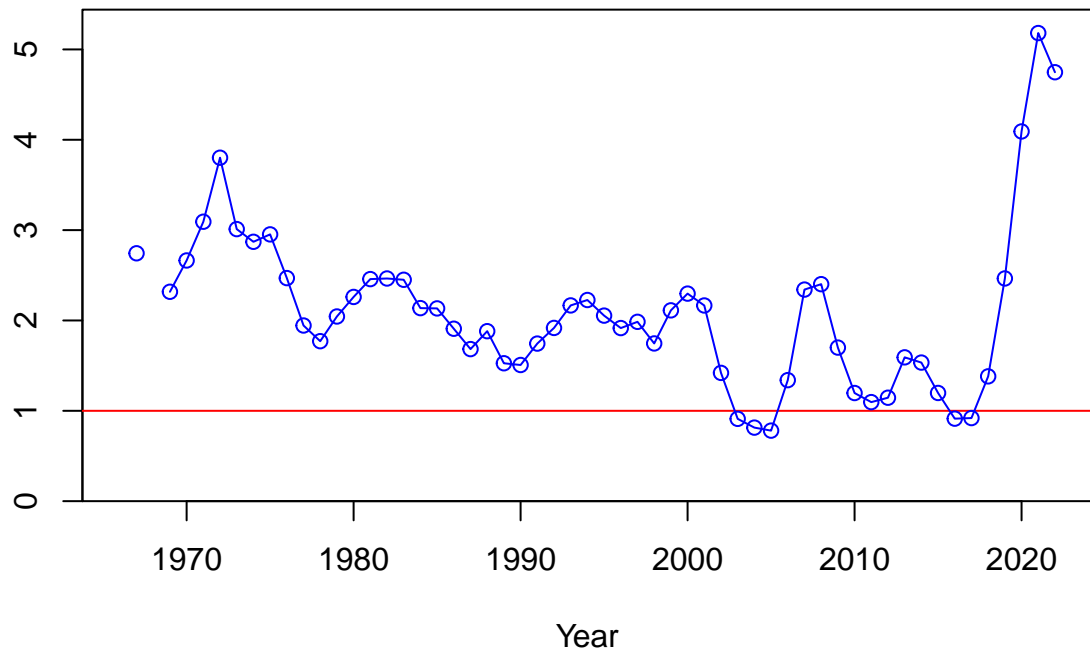


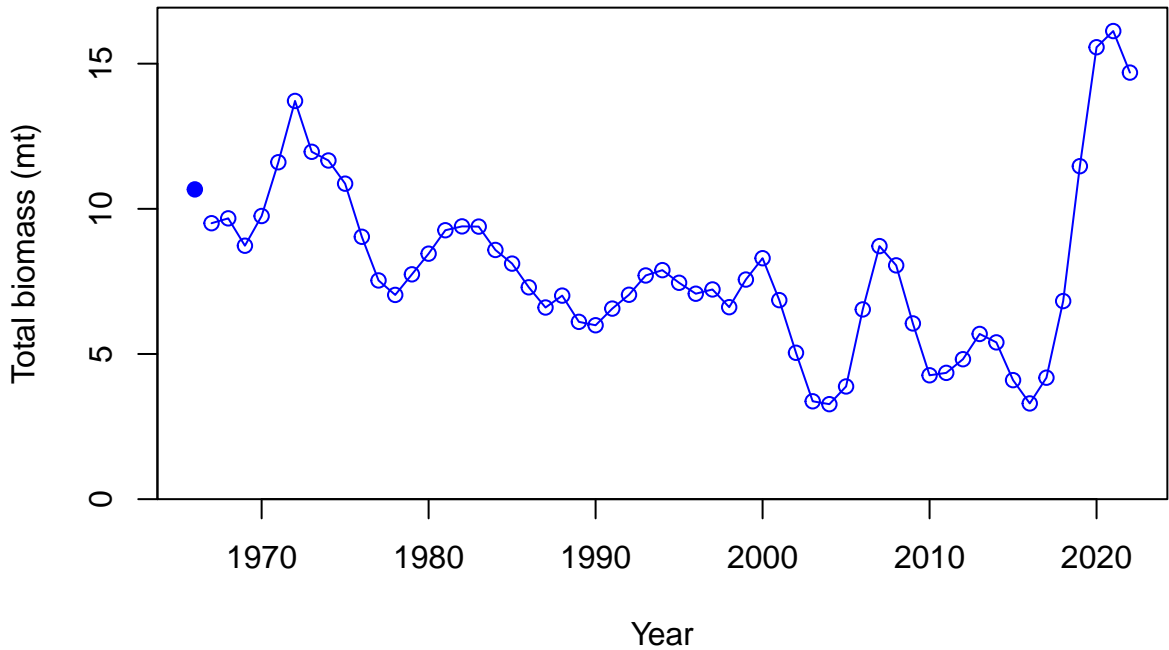


Spawning biomass (mt)

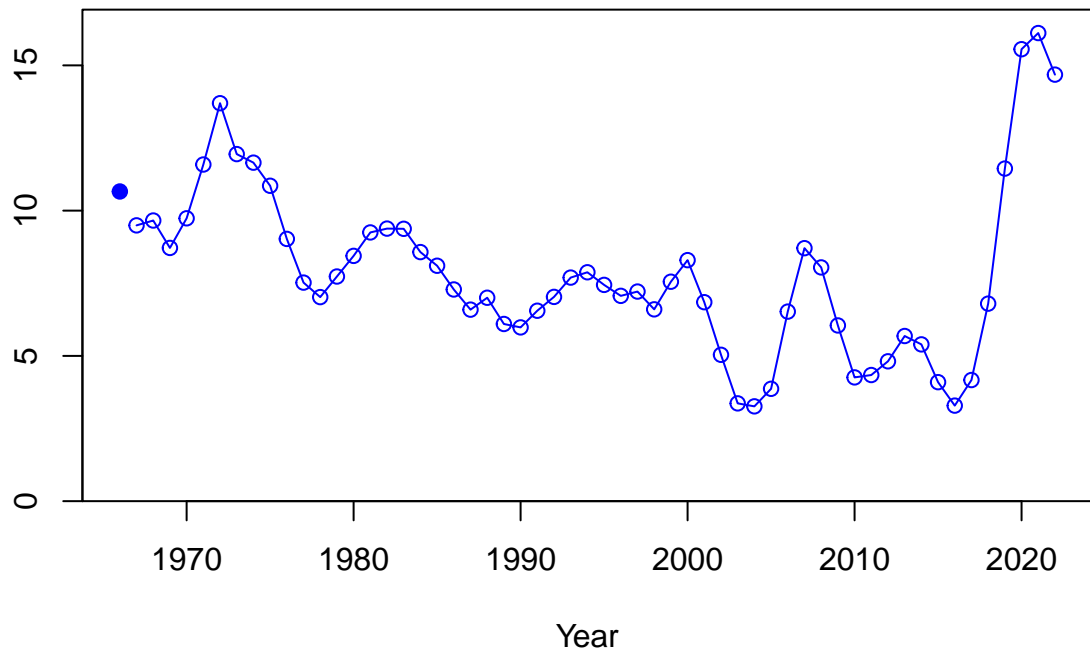


Relative spawning biomass:  $B/B_{MSY}$

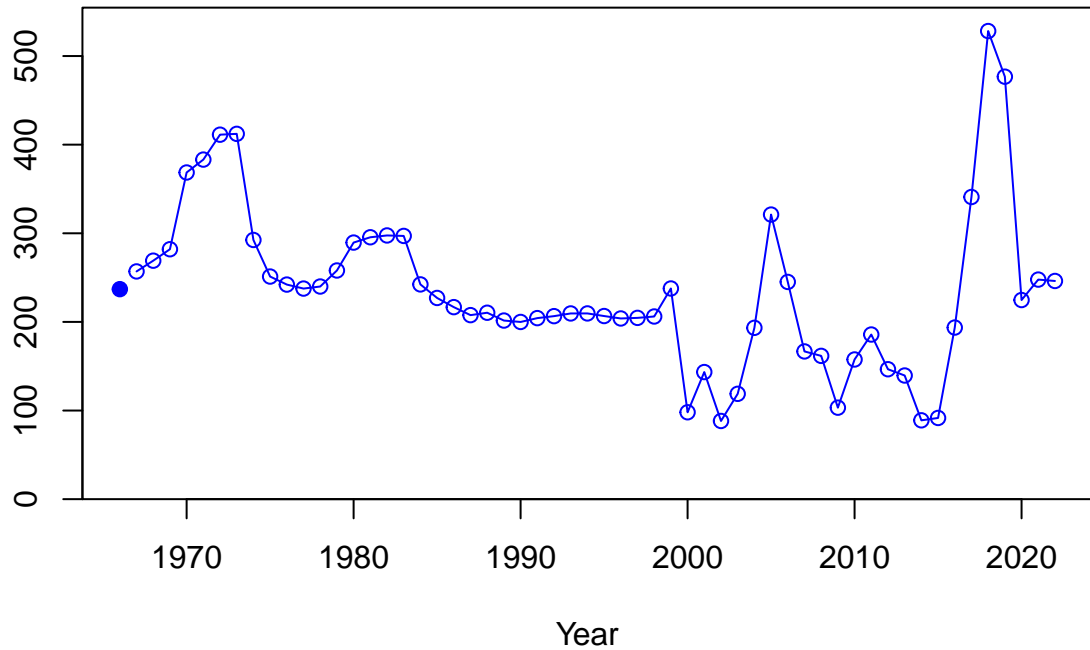




Summary biomass (mt)

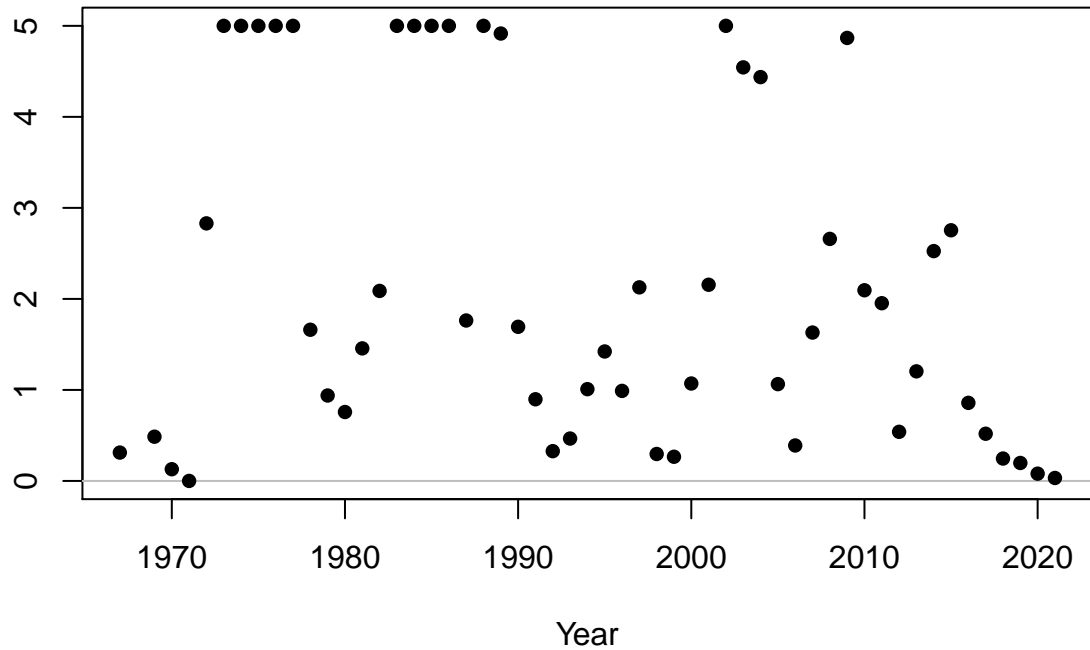


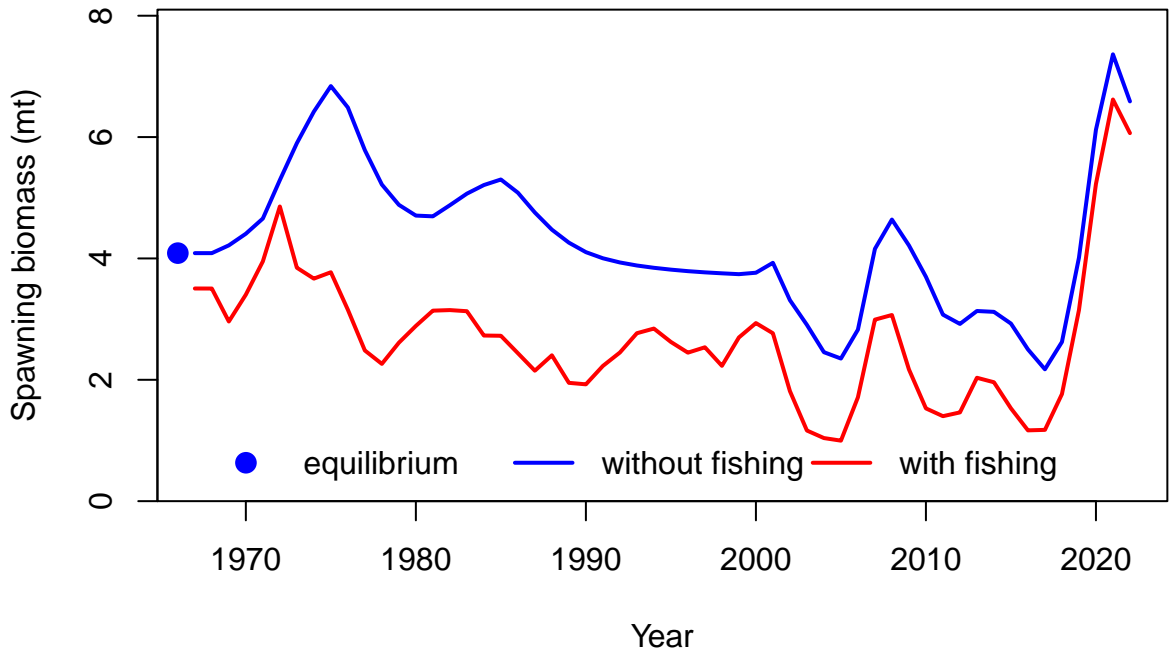
Age-0 recruits (1,000s)



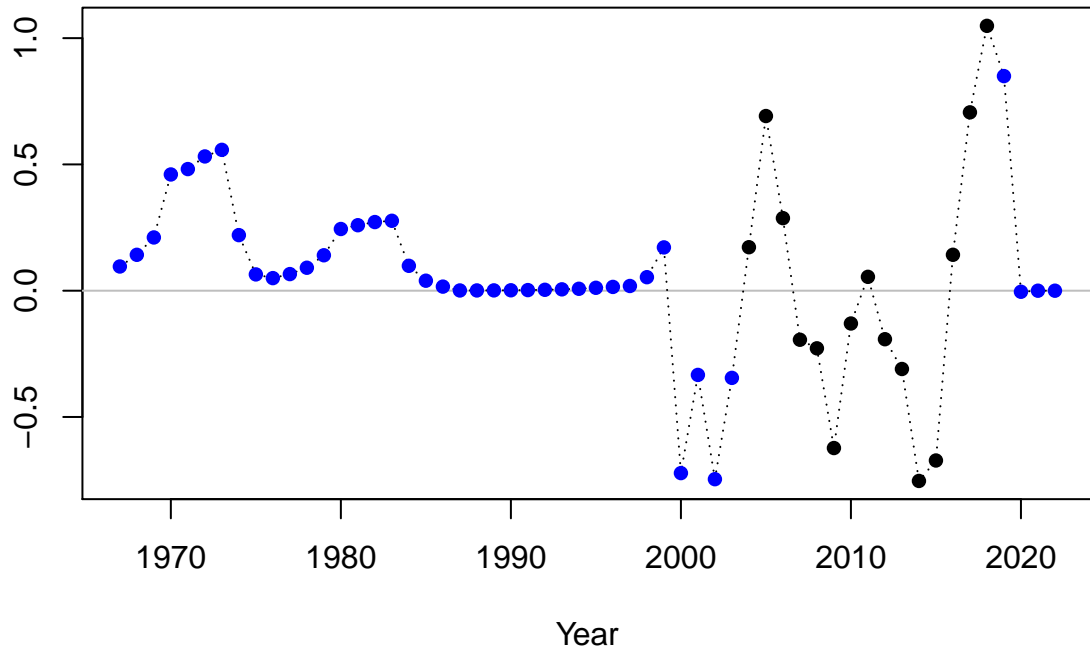


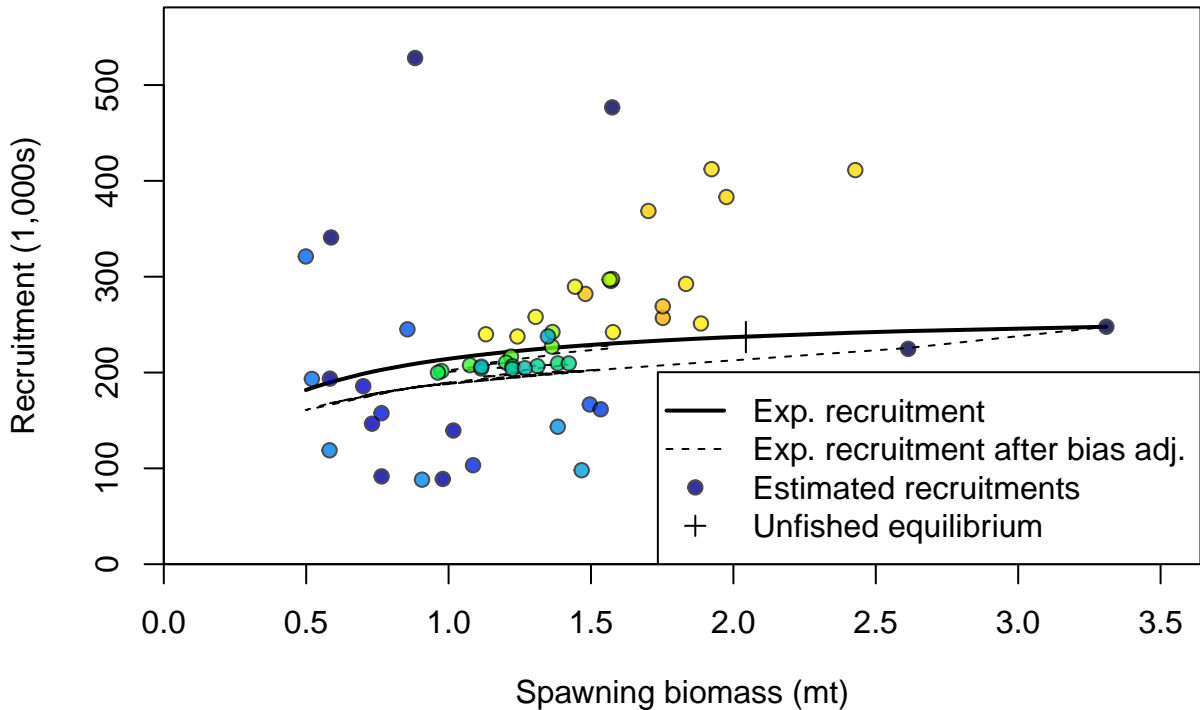
Summary Fishing Mortality

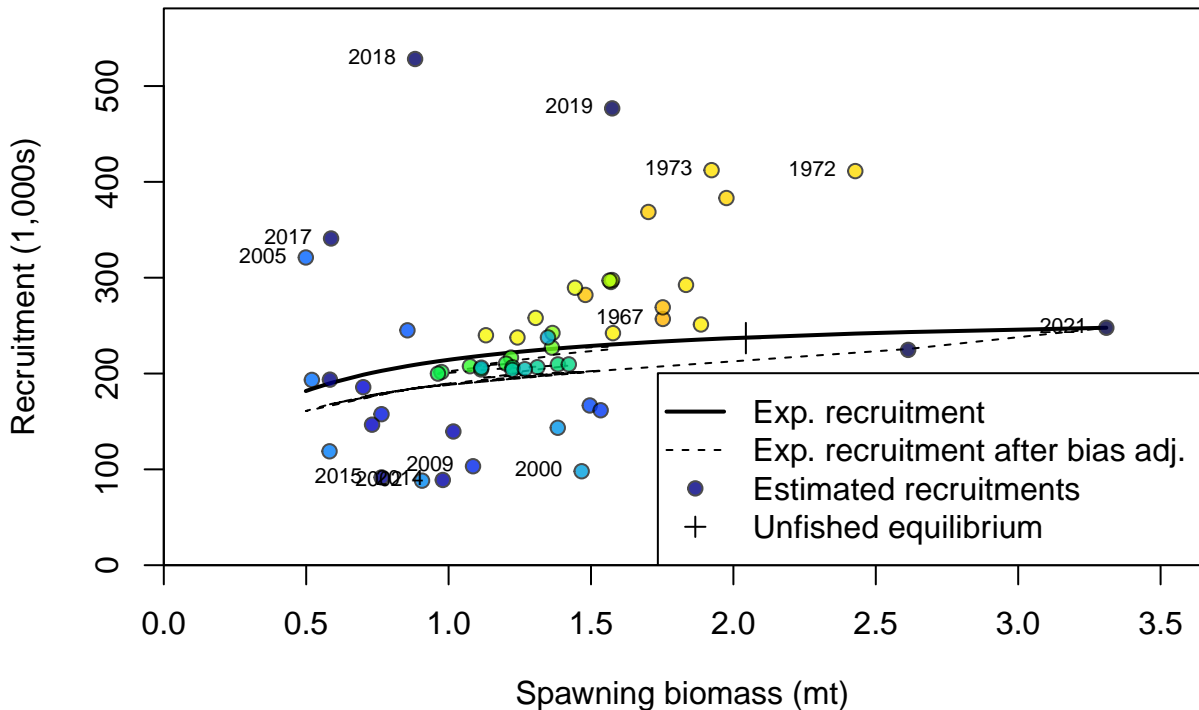




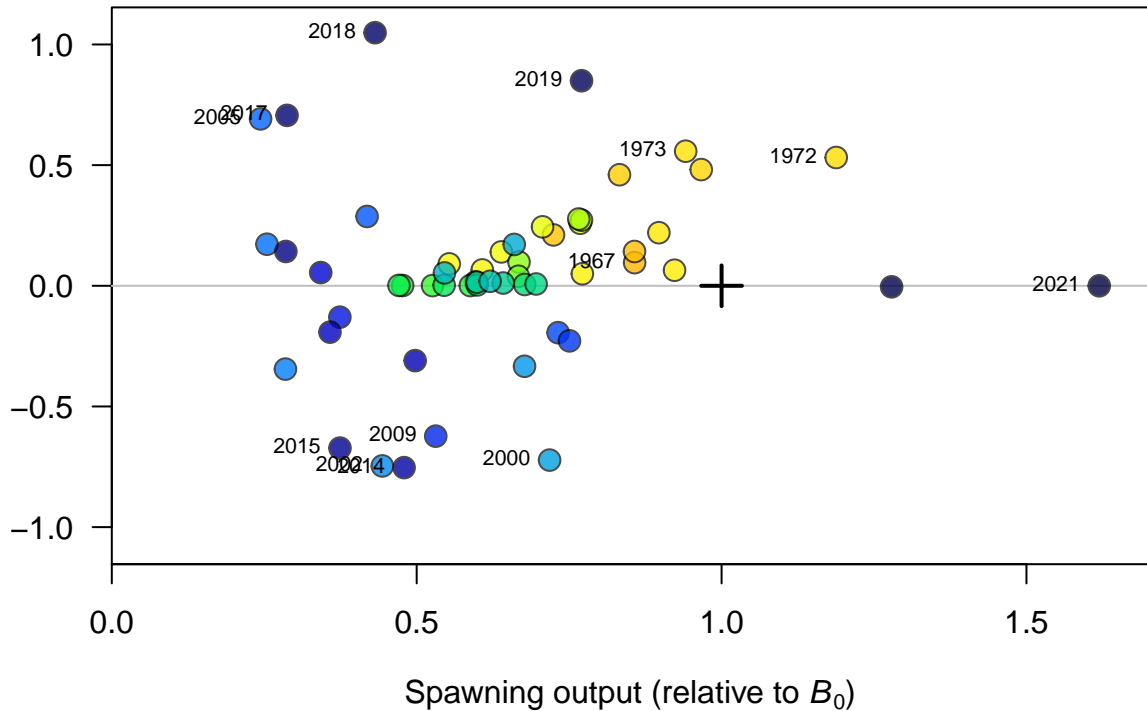
Log recruitment deviation

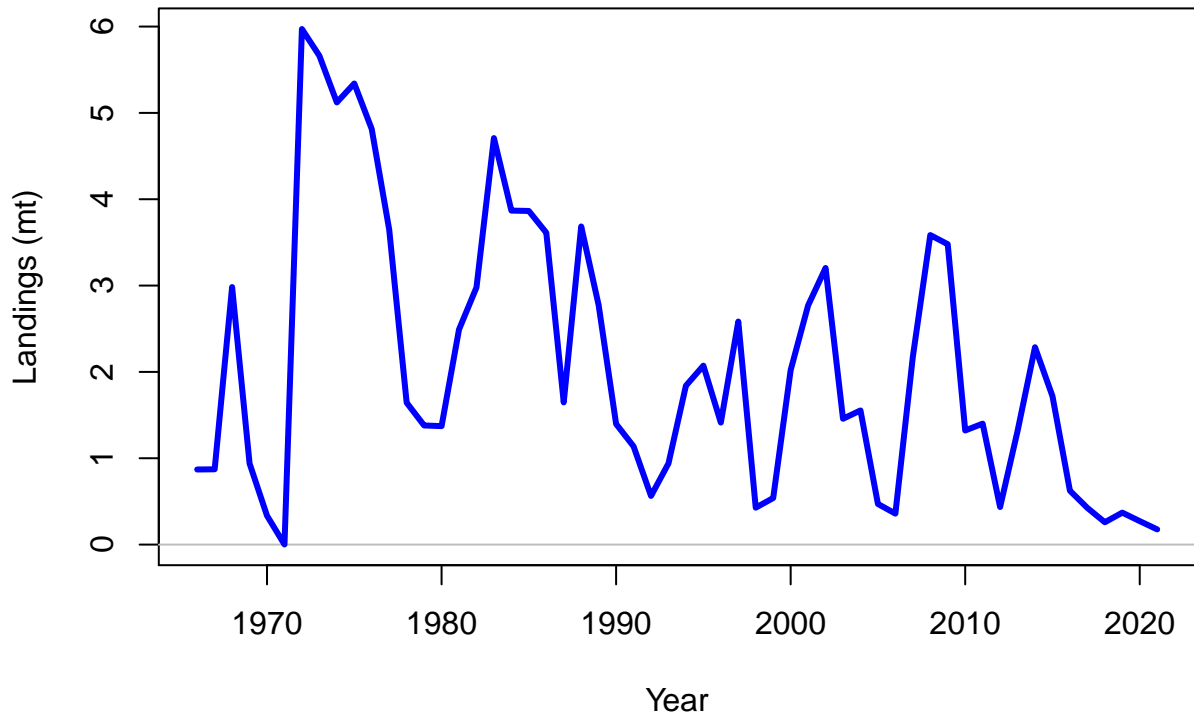


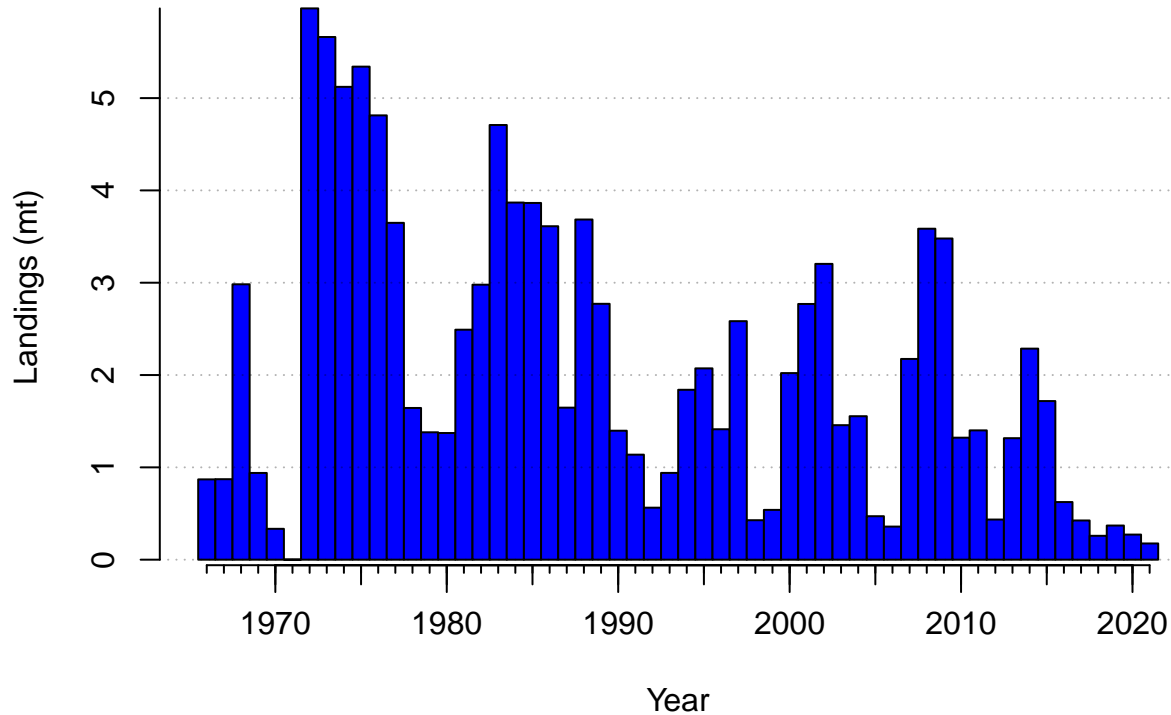




Log recruitment deviation

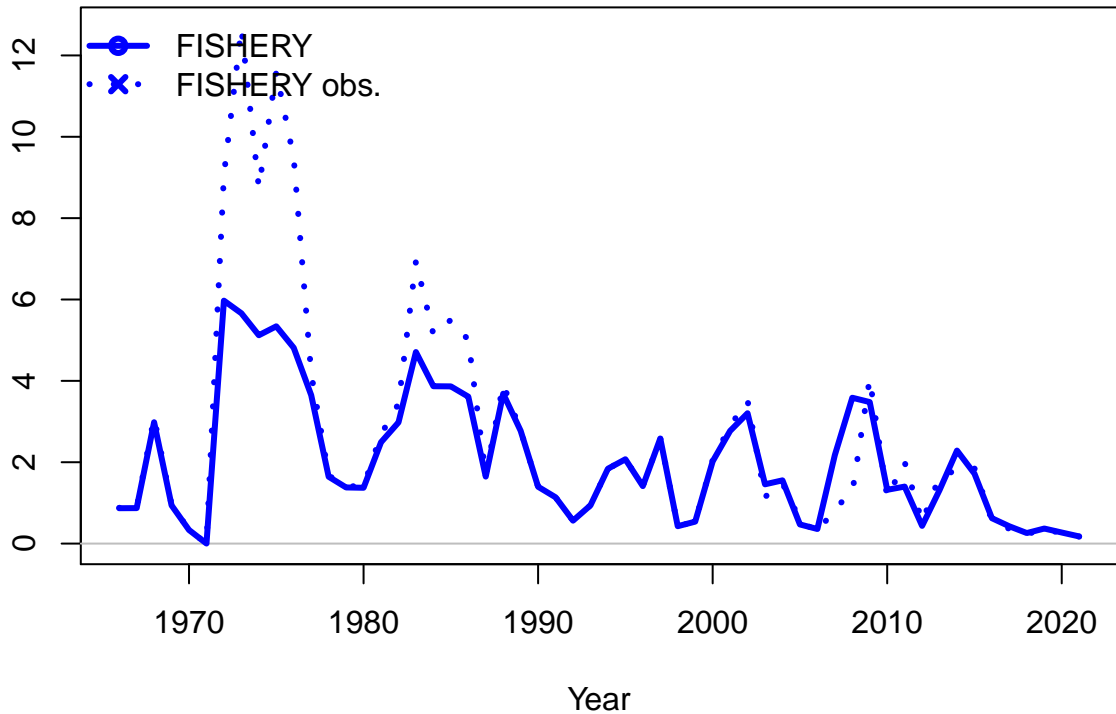


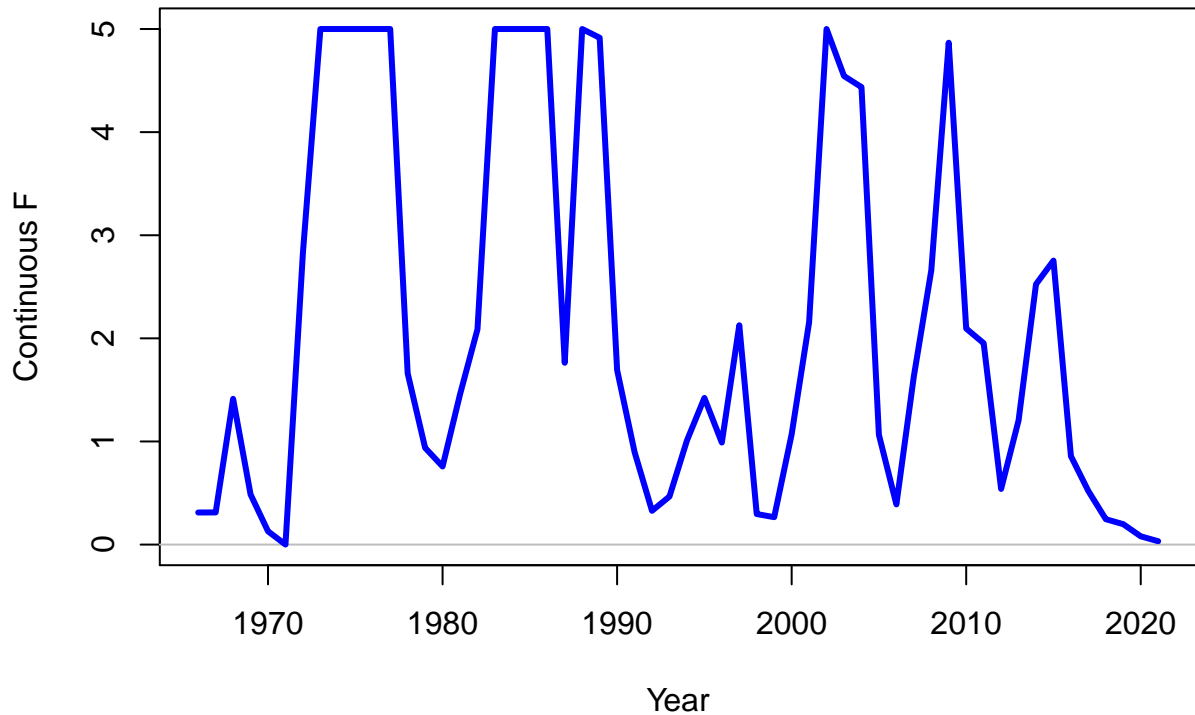




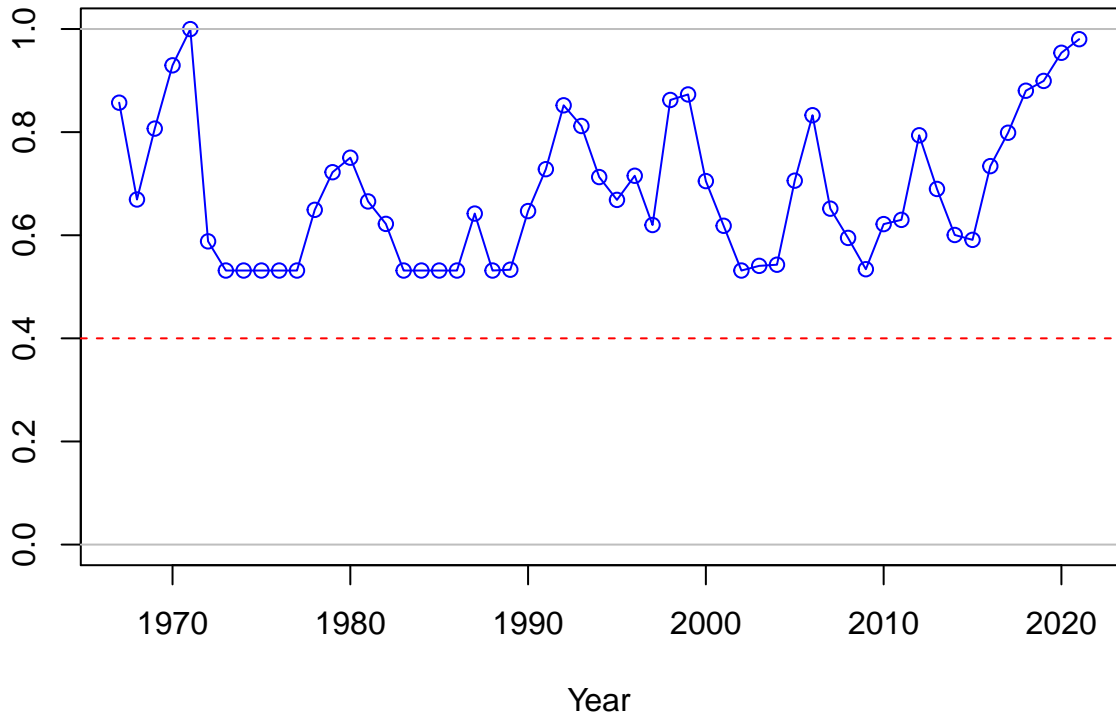


Observed and expected Landings (mt)

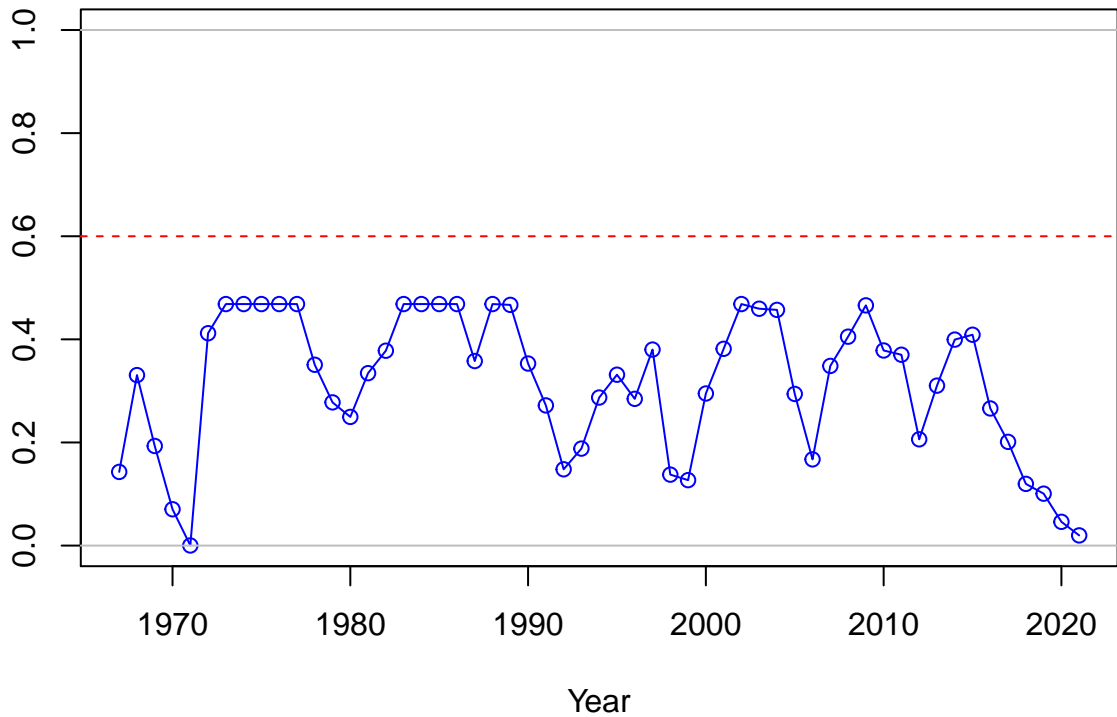




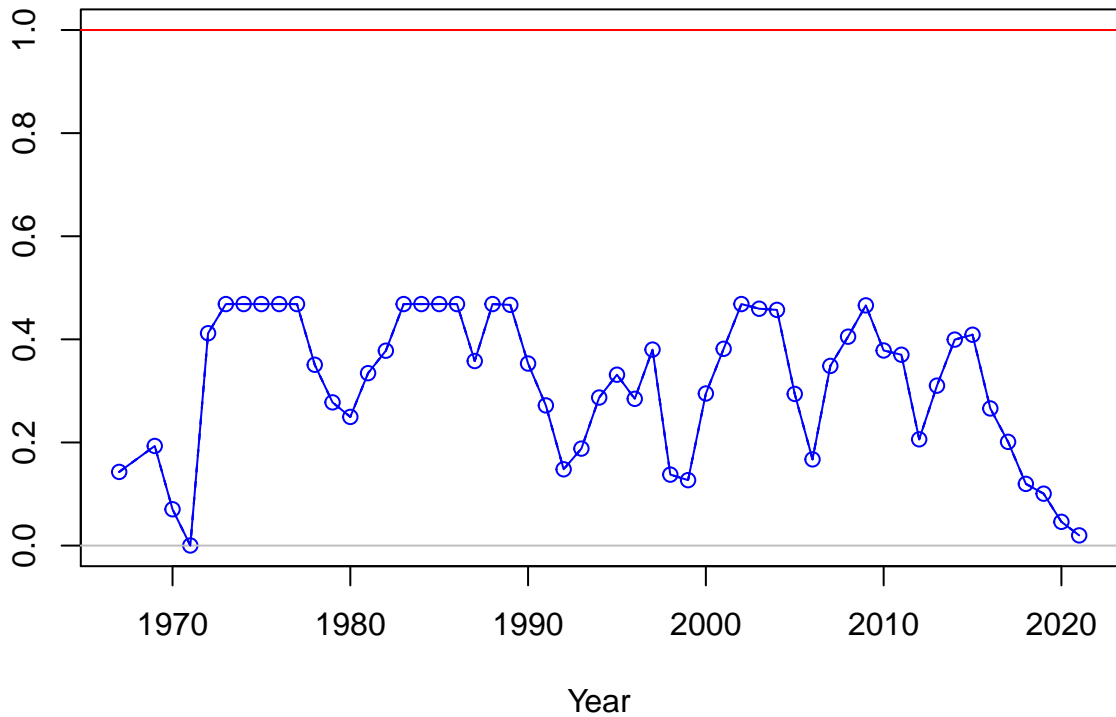
SPR



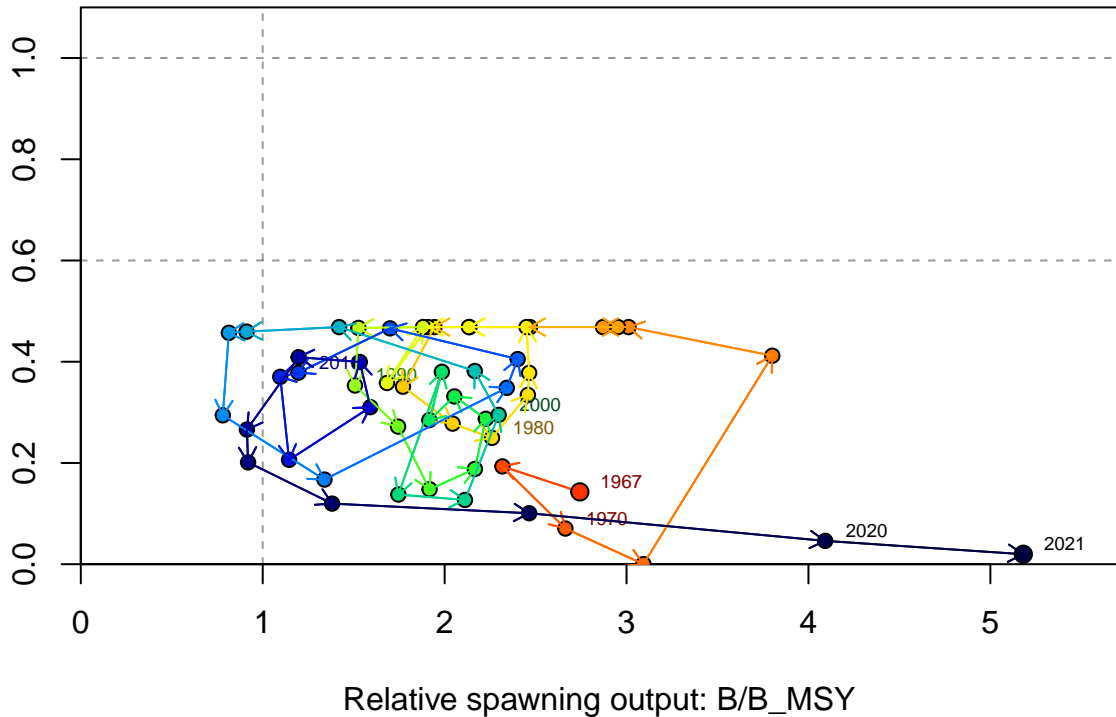
1-SPR



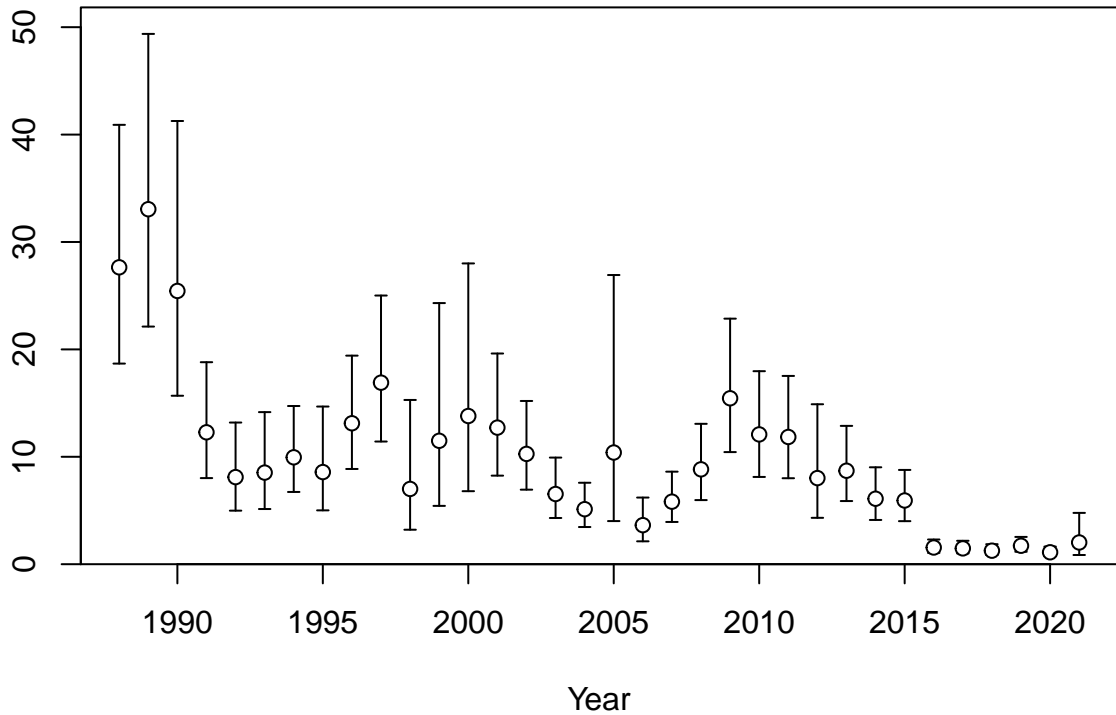
Fishing intensity: 1-SPR



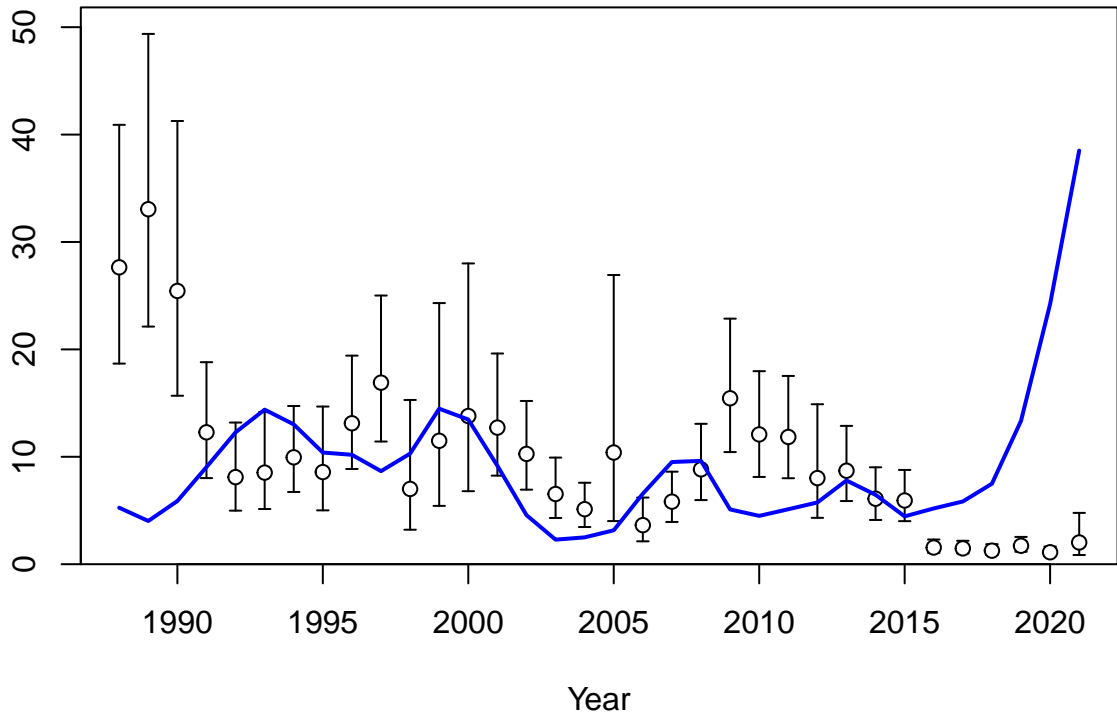
Fishing intensity: 1-SPR



Index

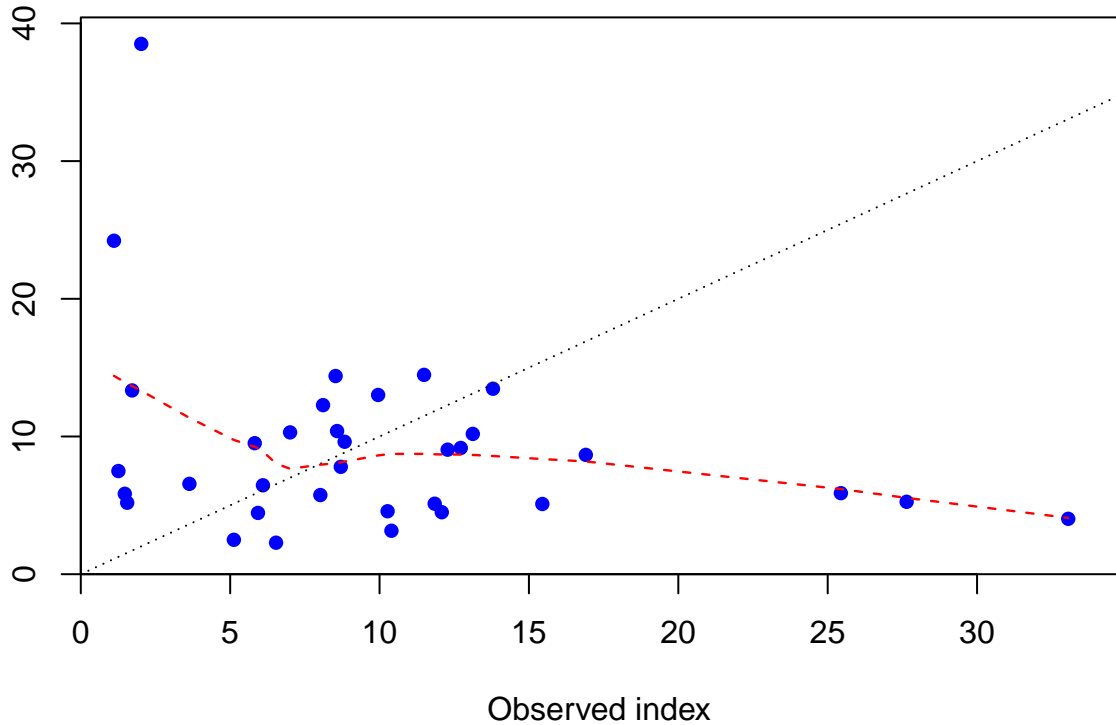


Index

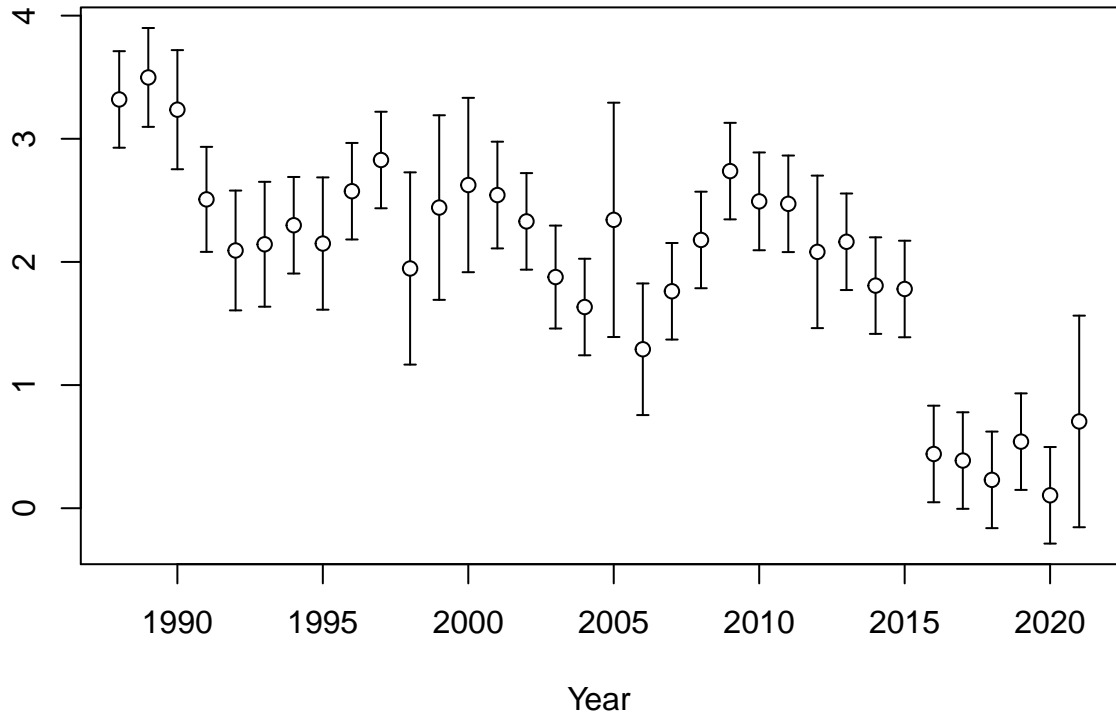




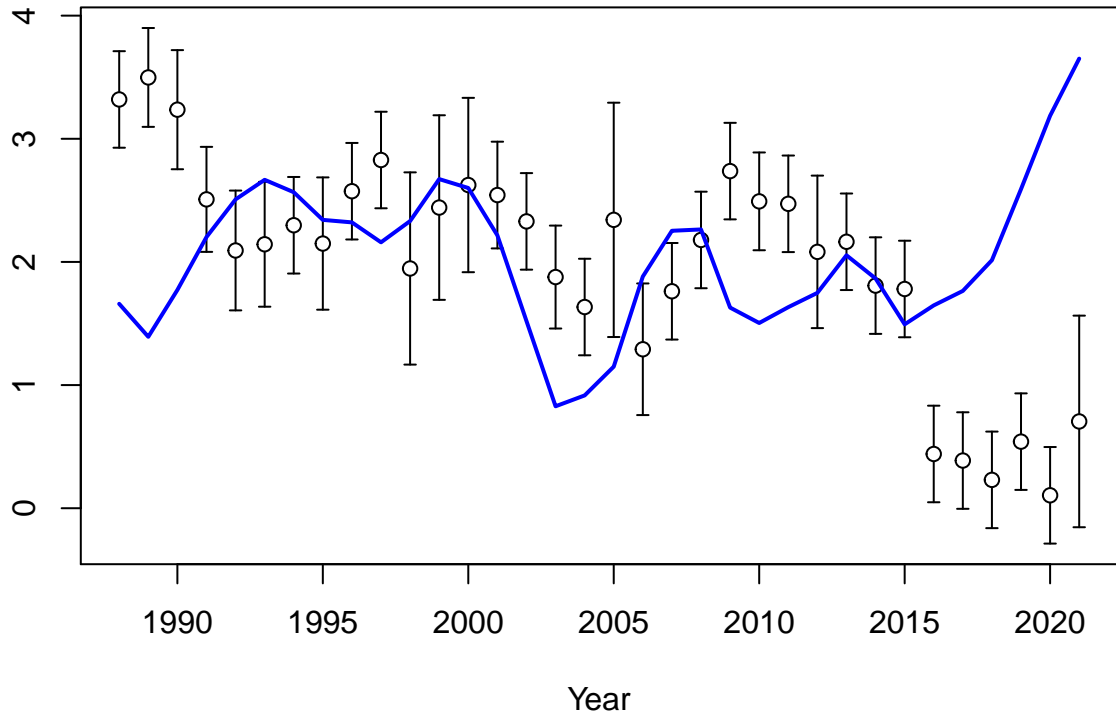
Expected index

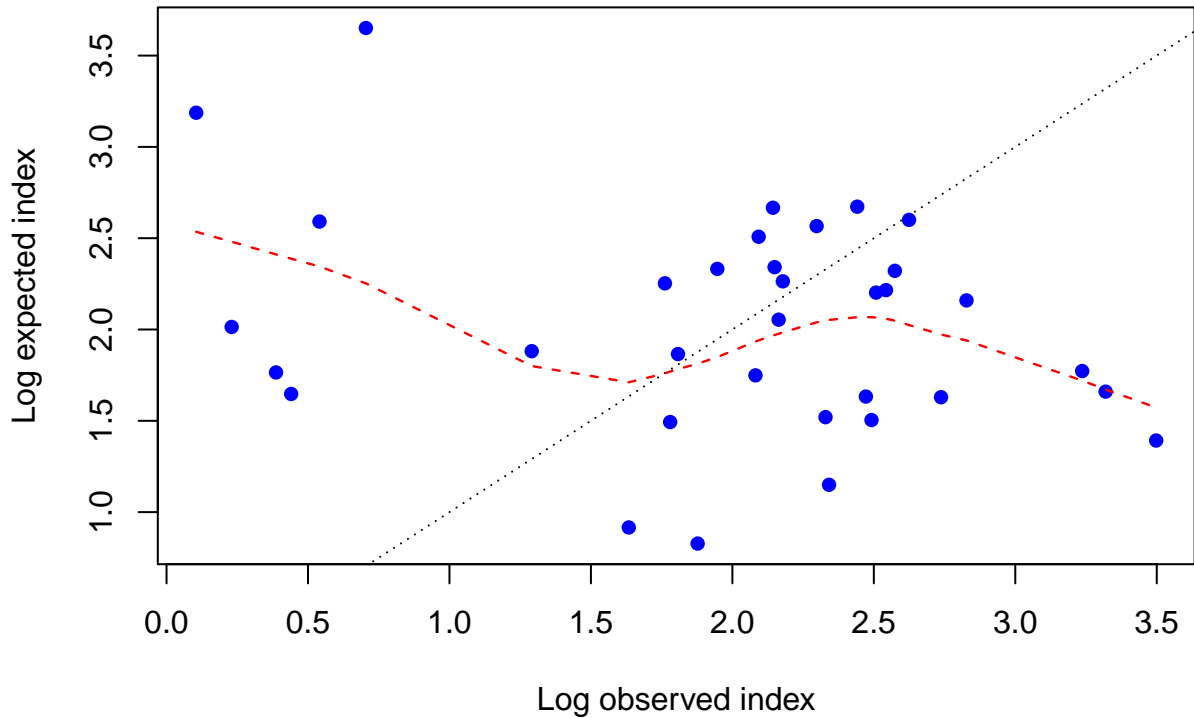


Log index

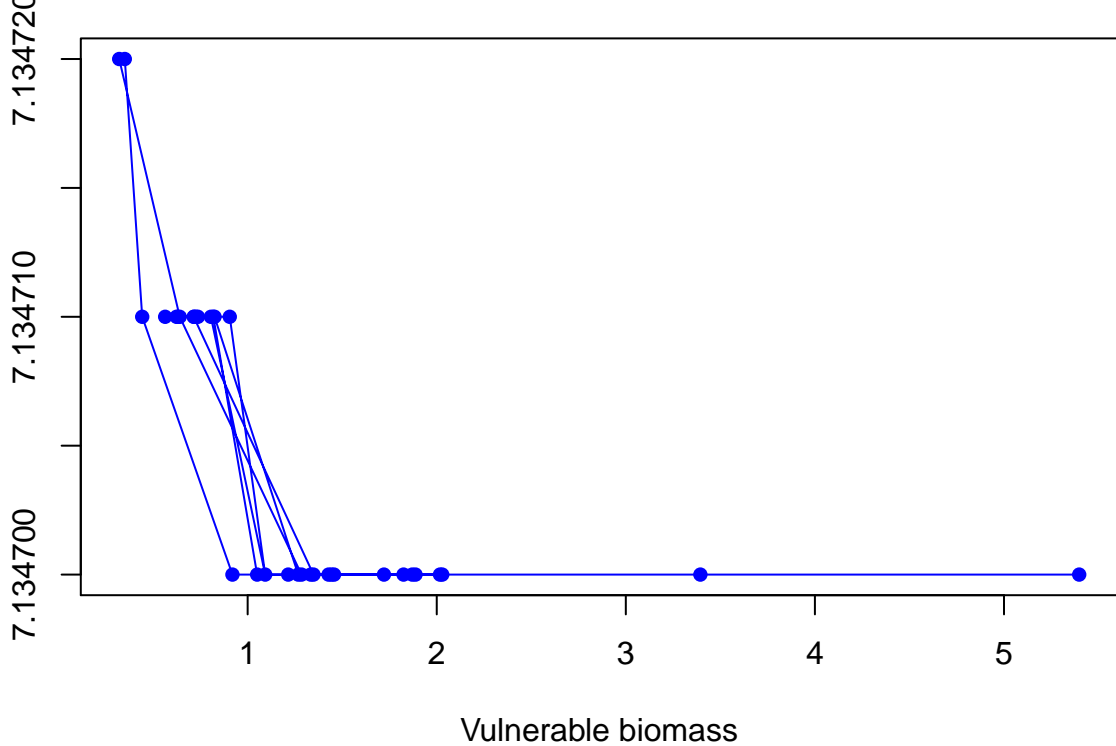


Log index

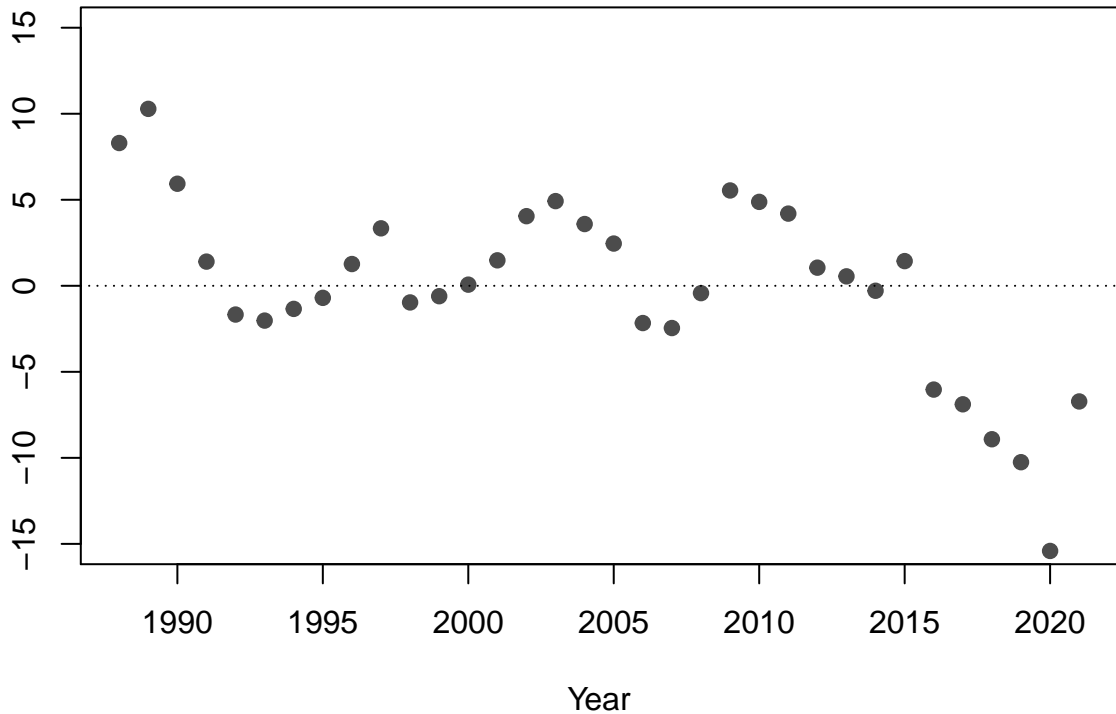




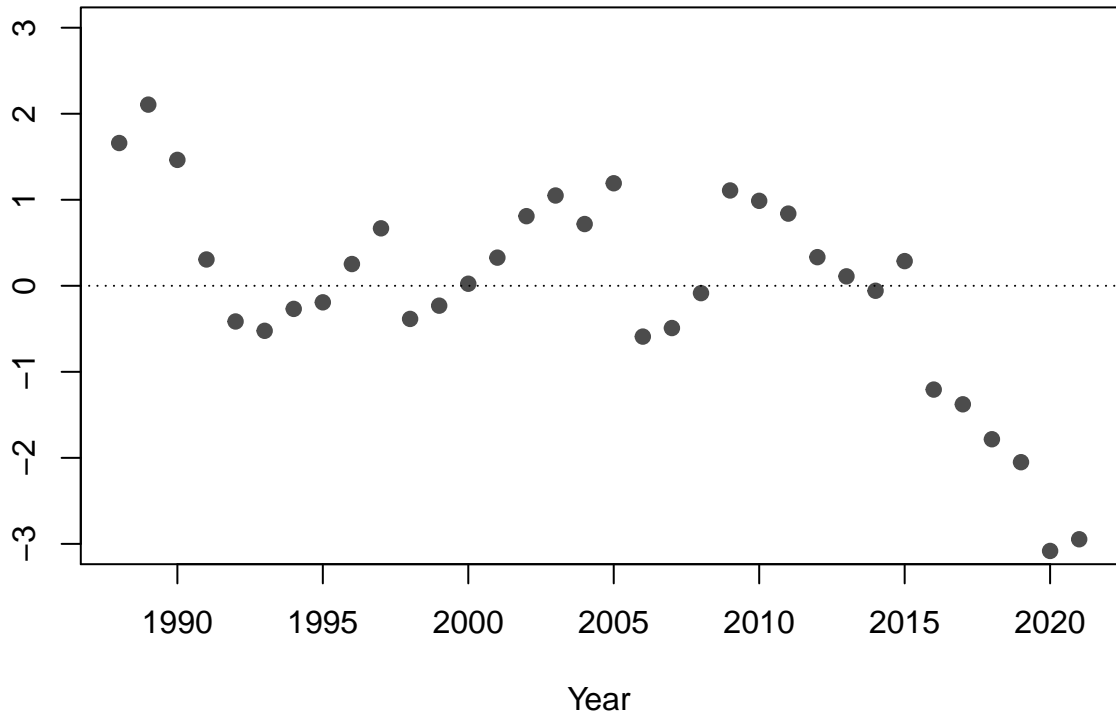
Effective catchability

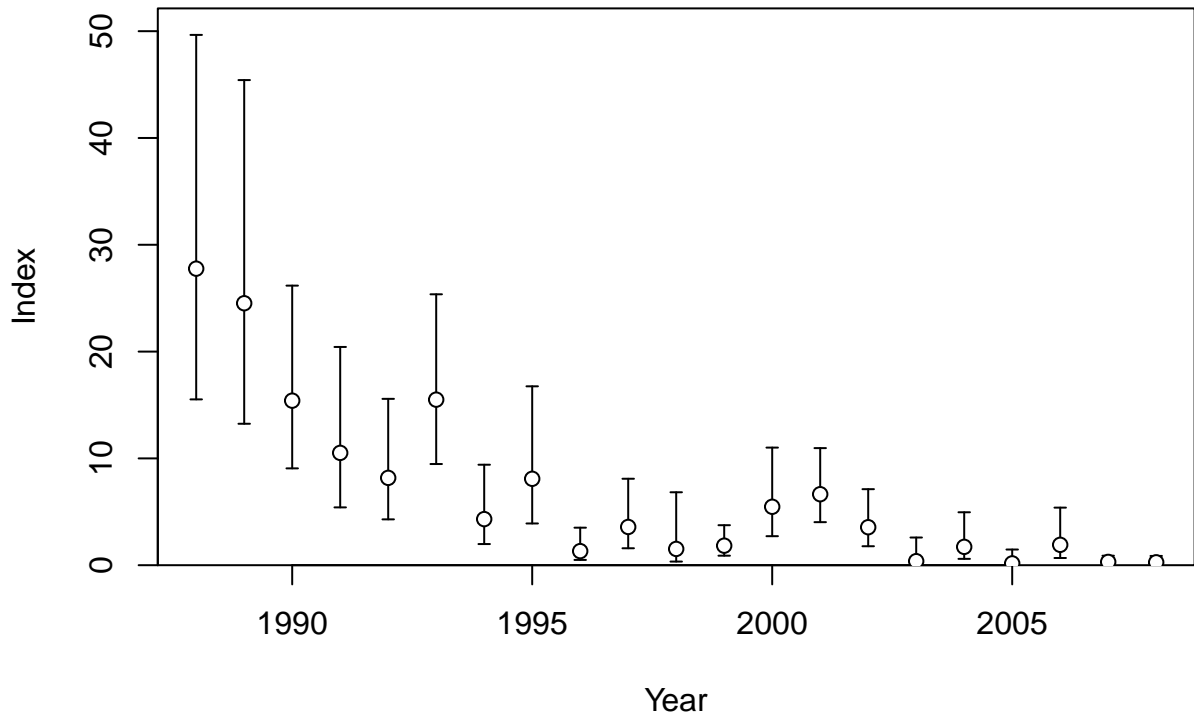


Residual

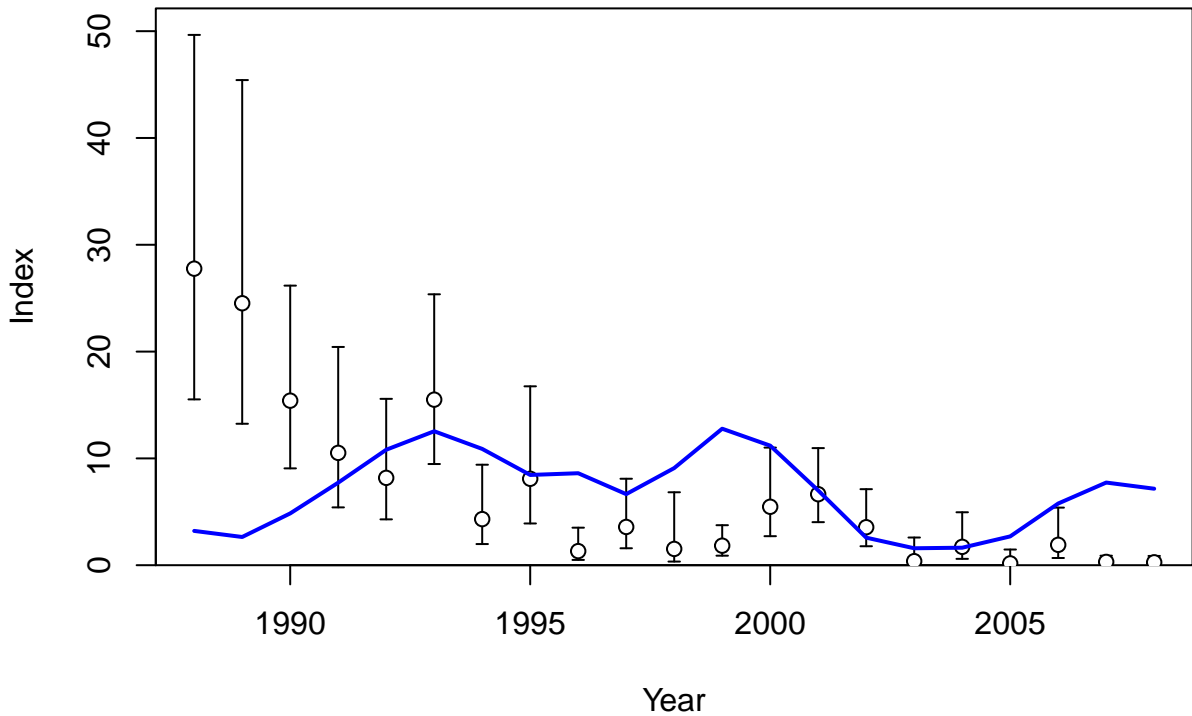


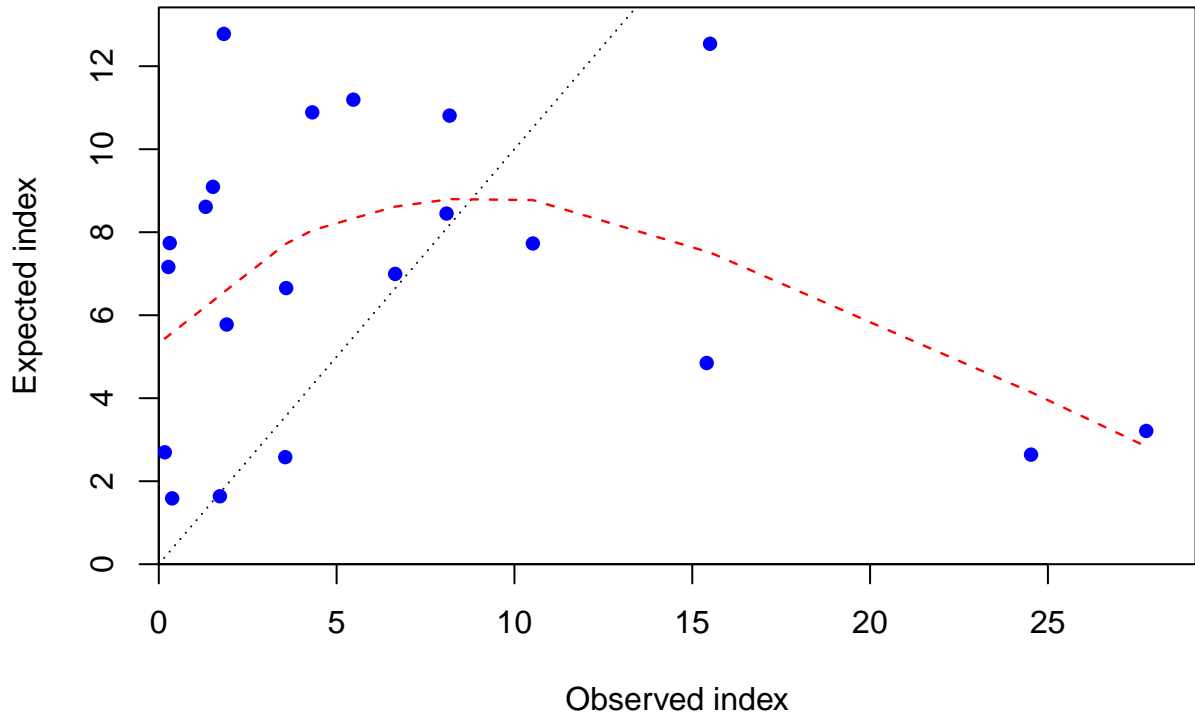
Deviation

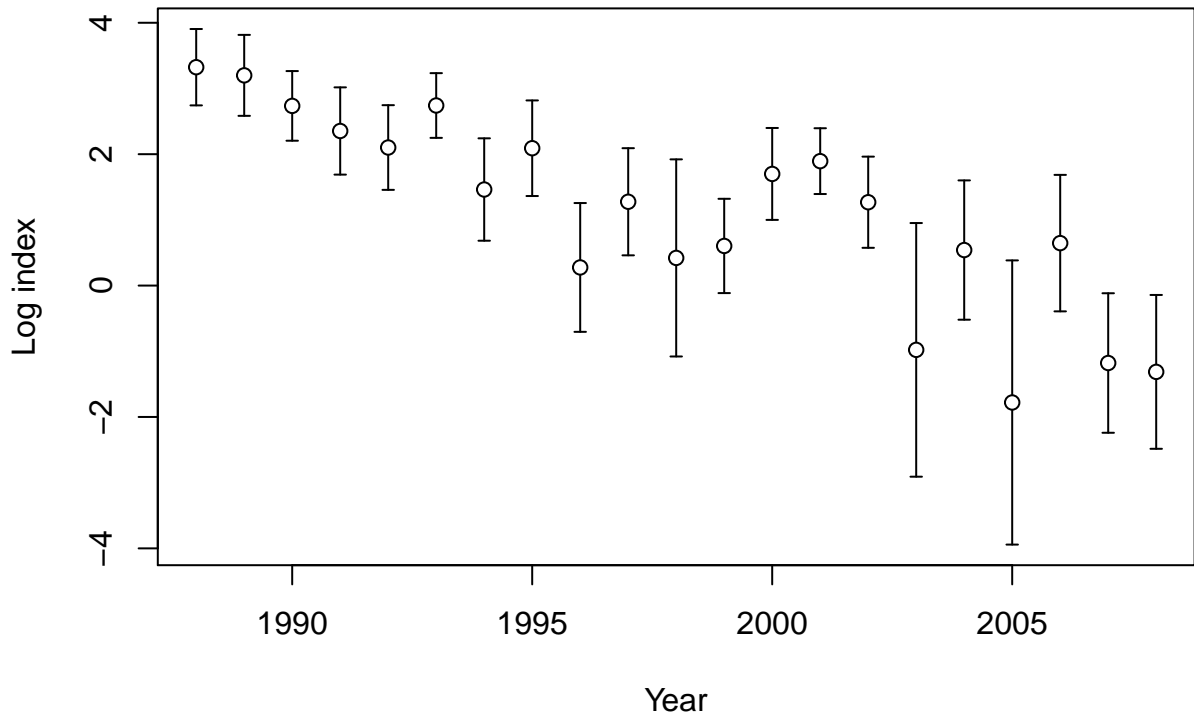


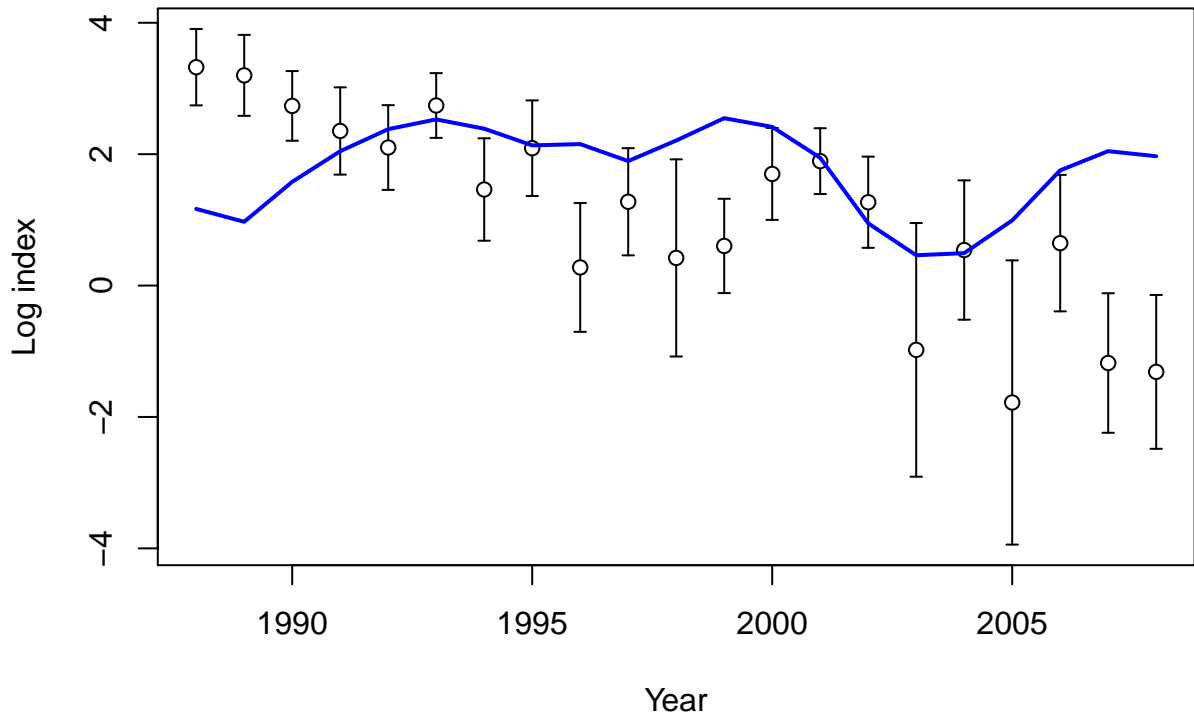


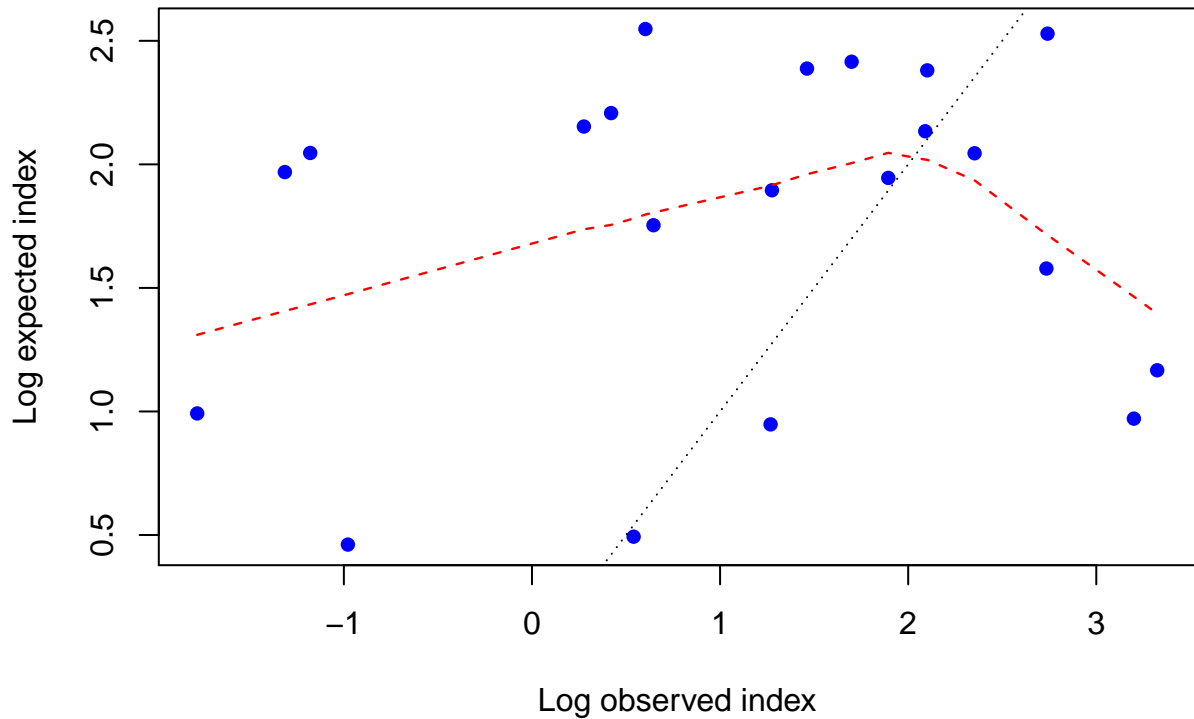




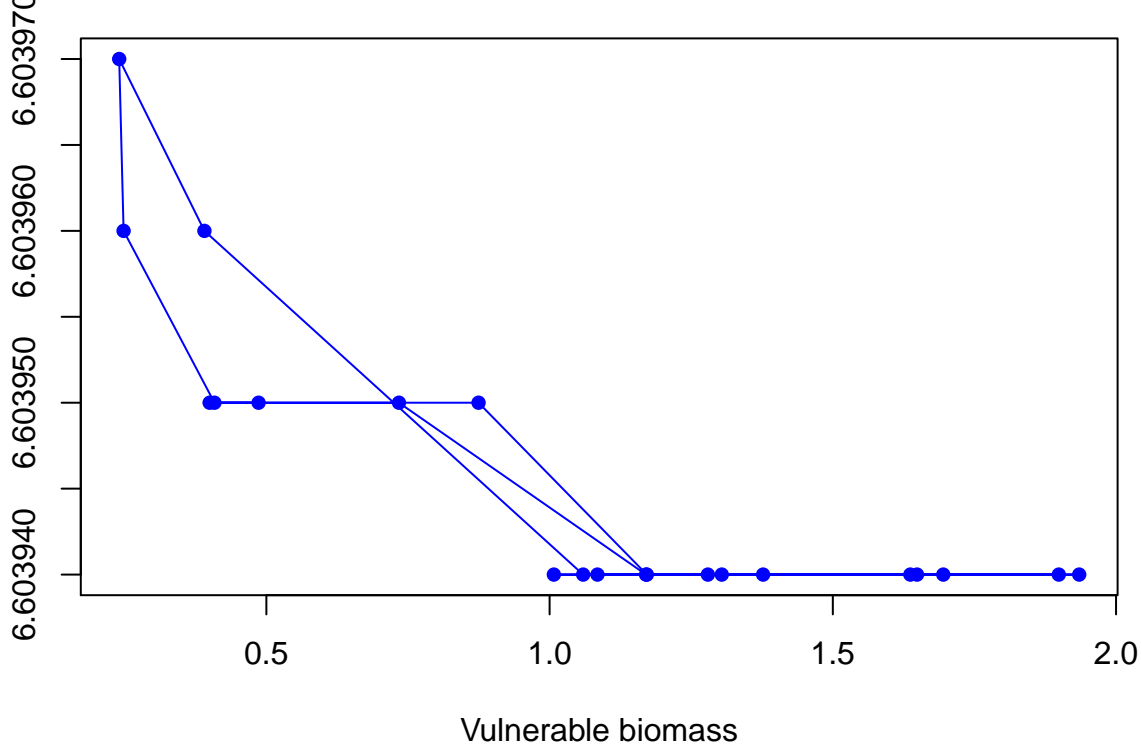


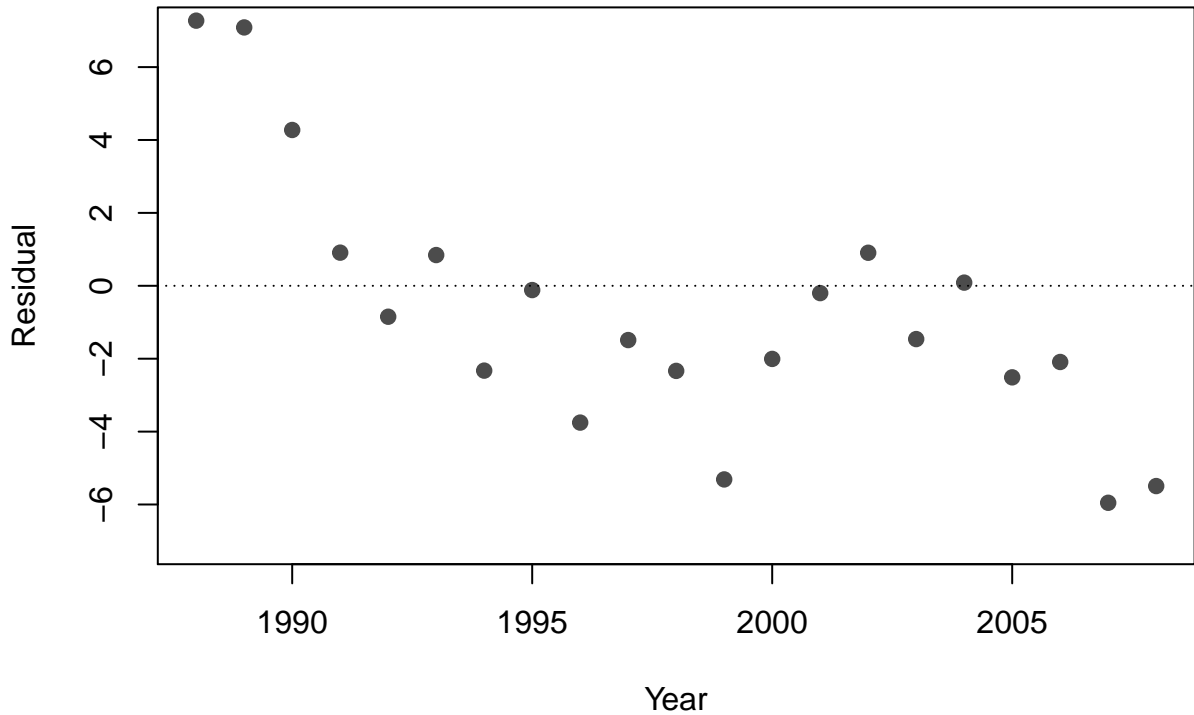


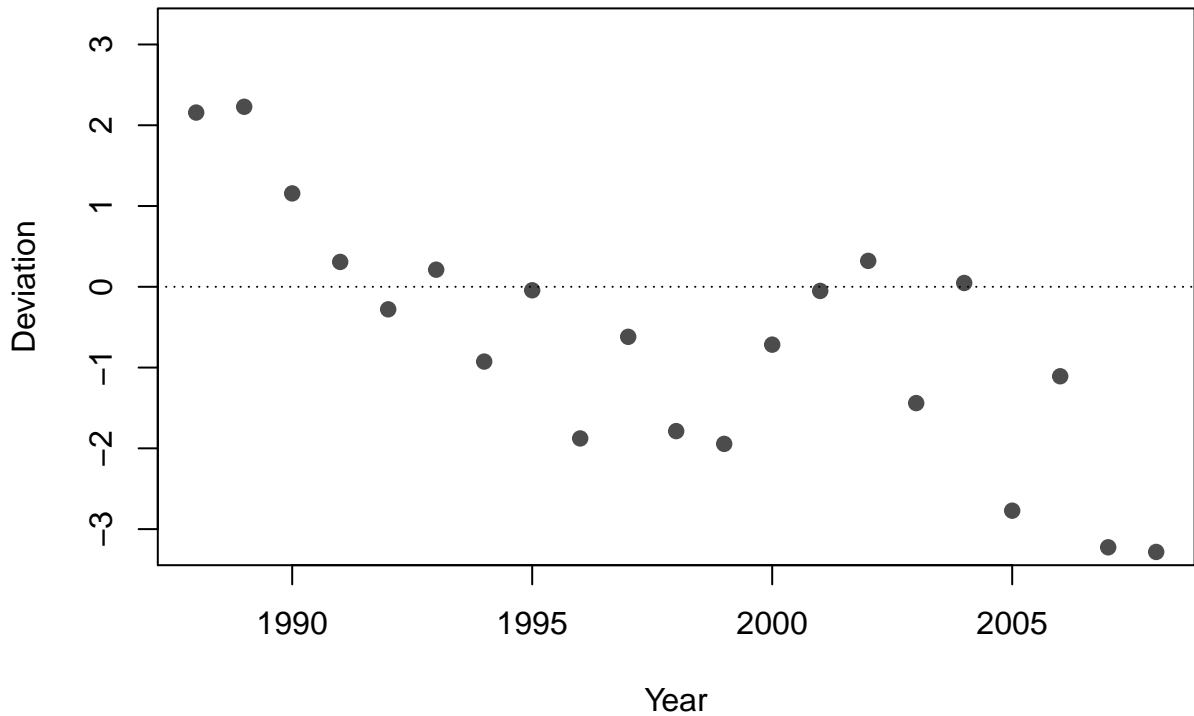




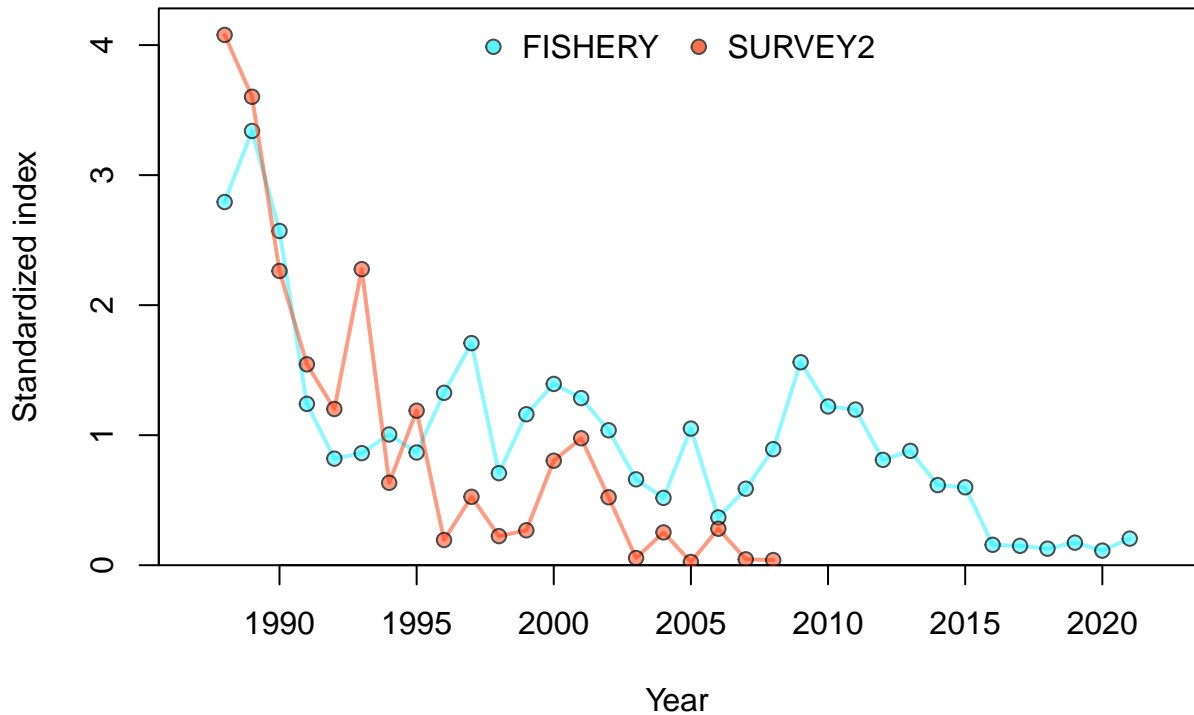
Effective catchability

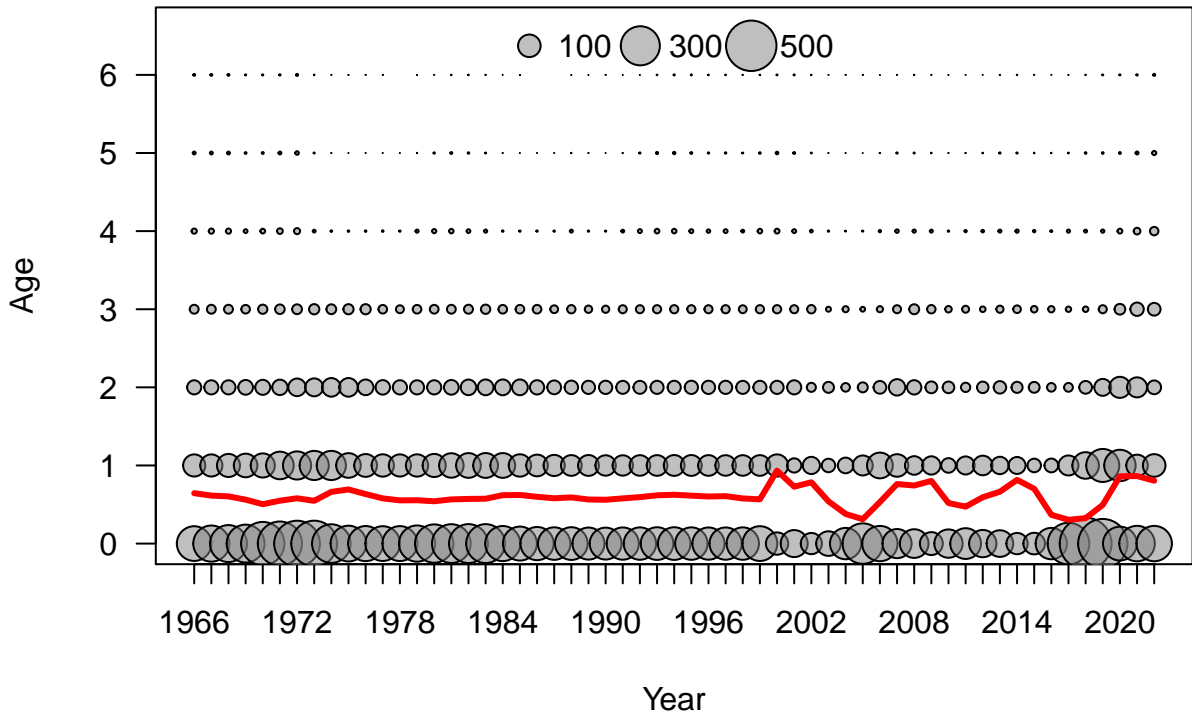


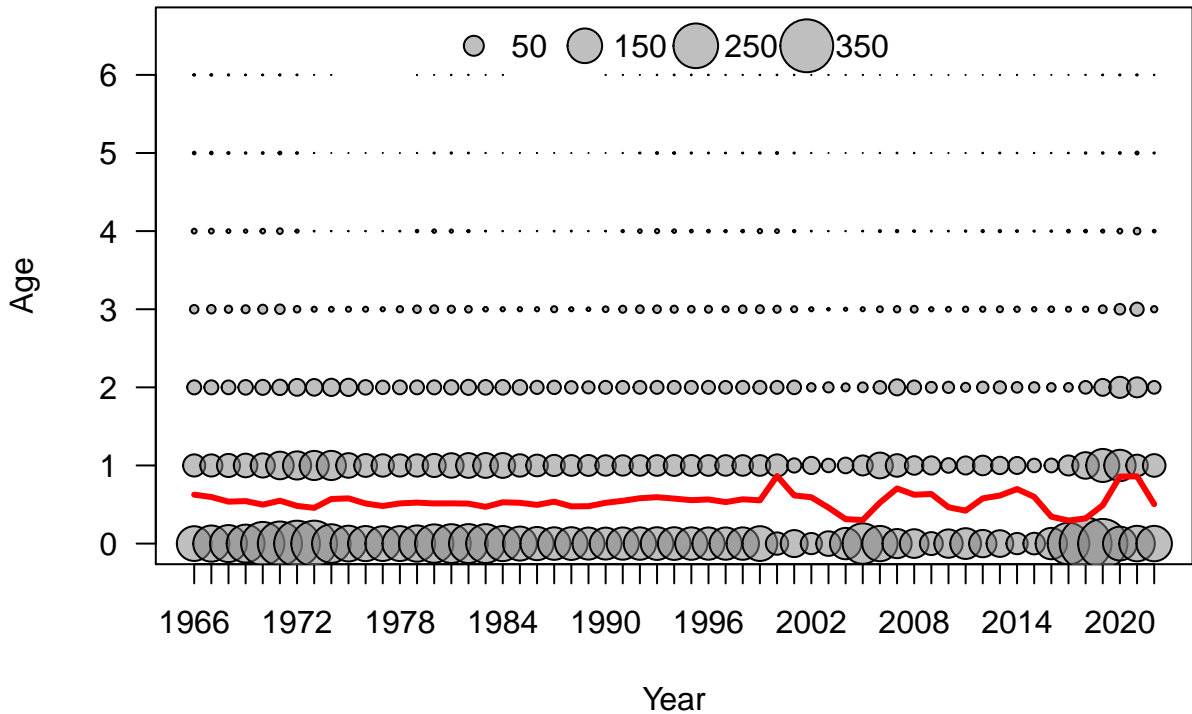


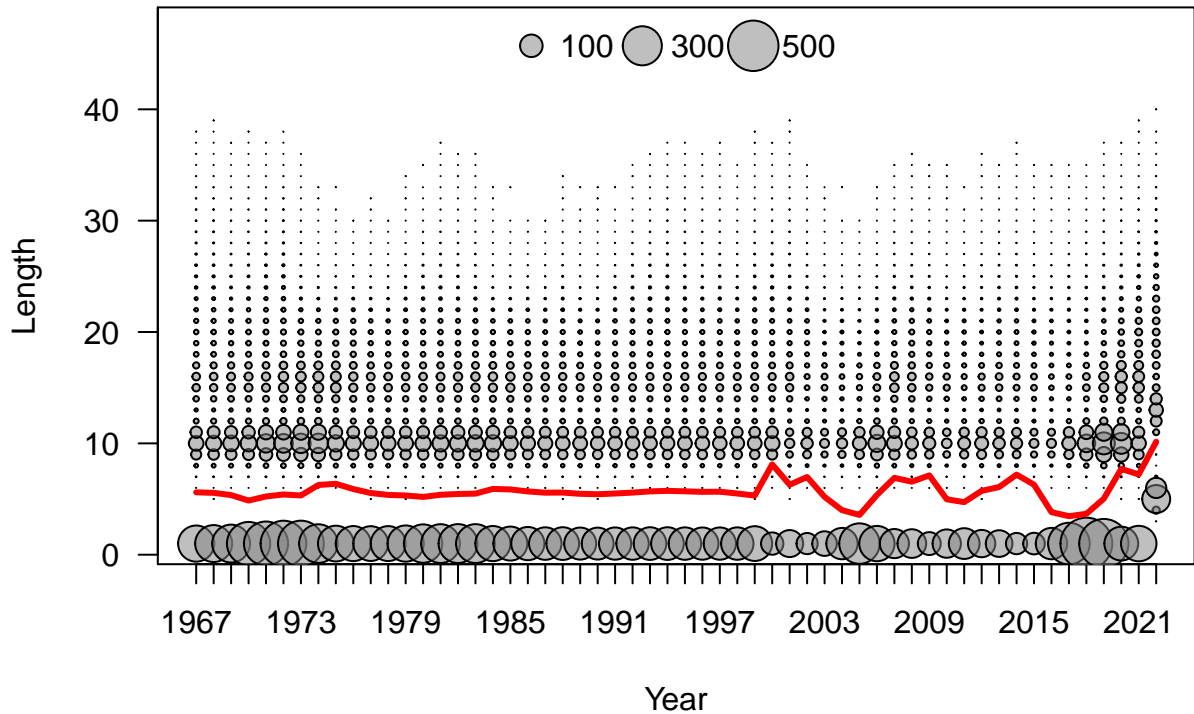


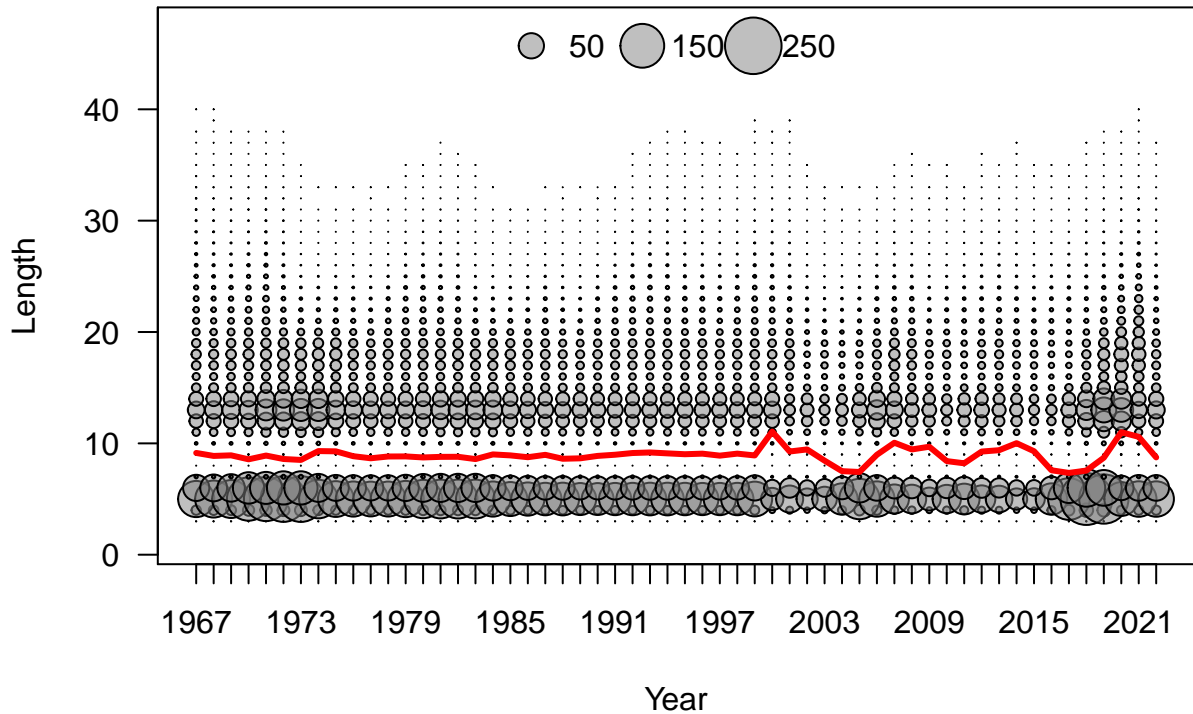


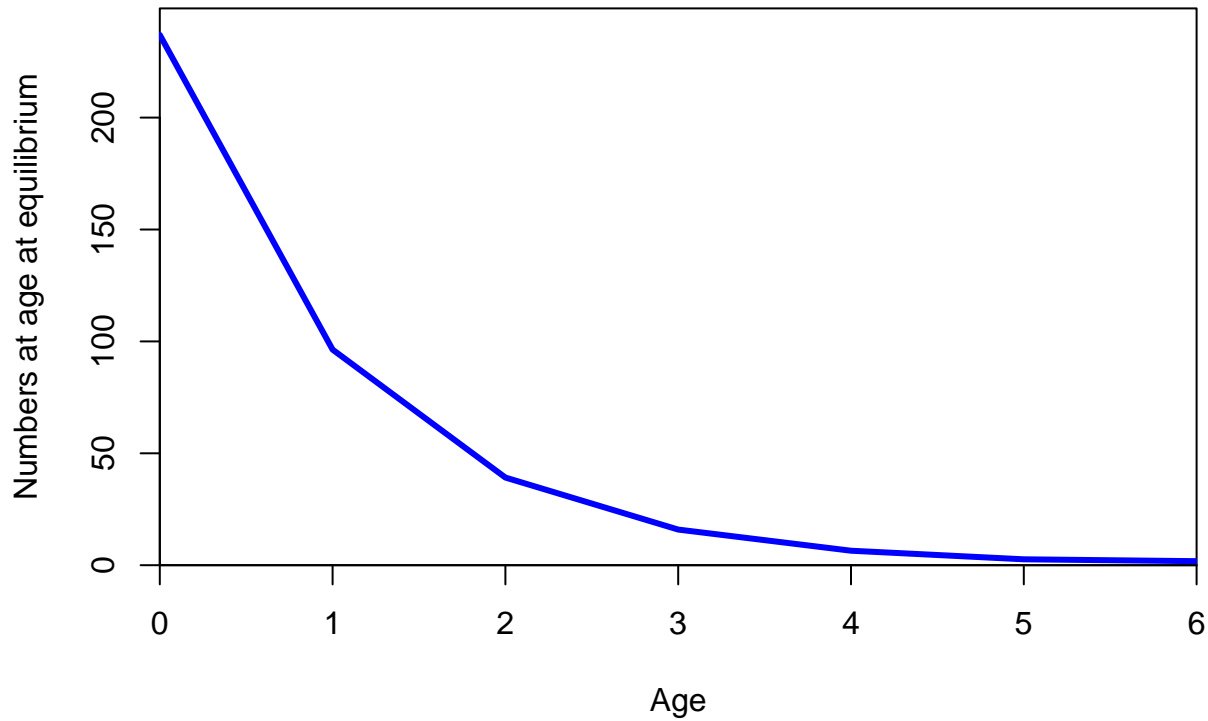






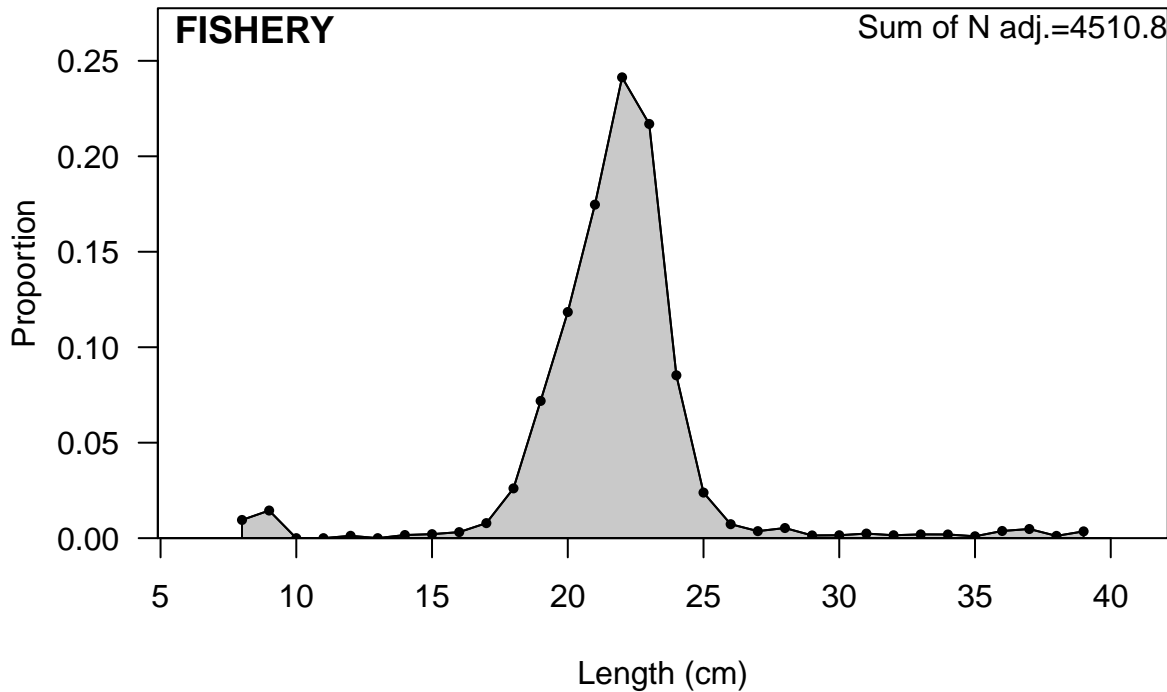


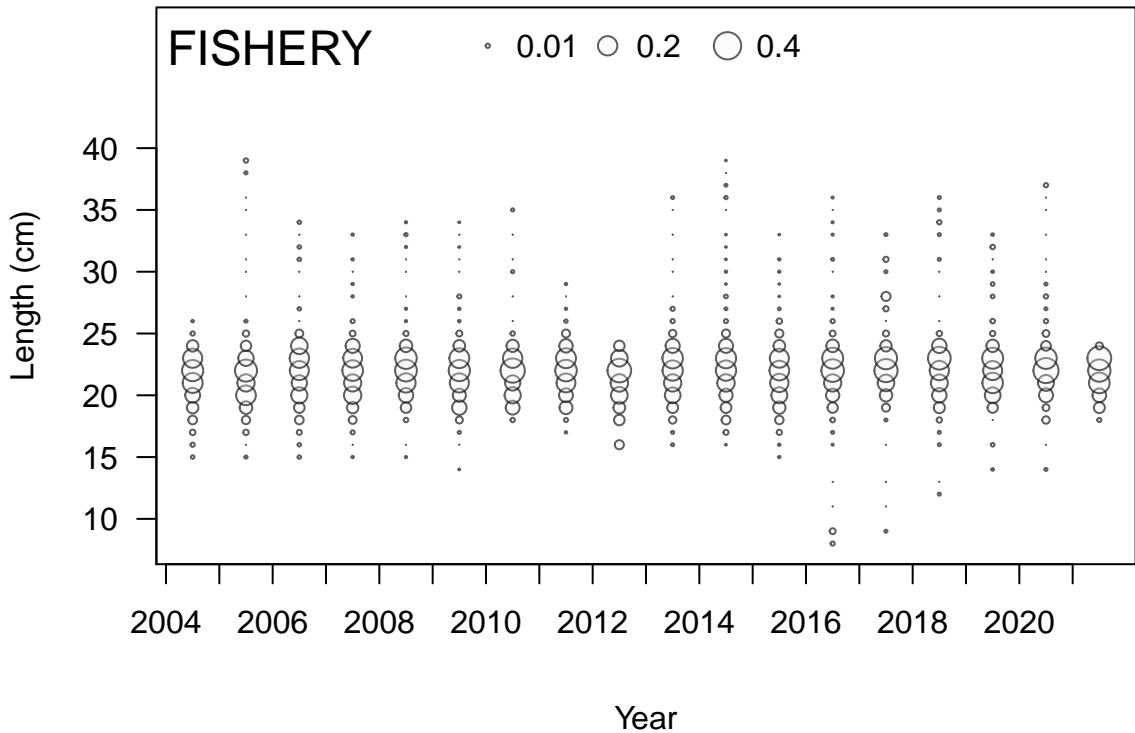




# FISHERY

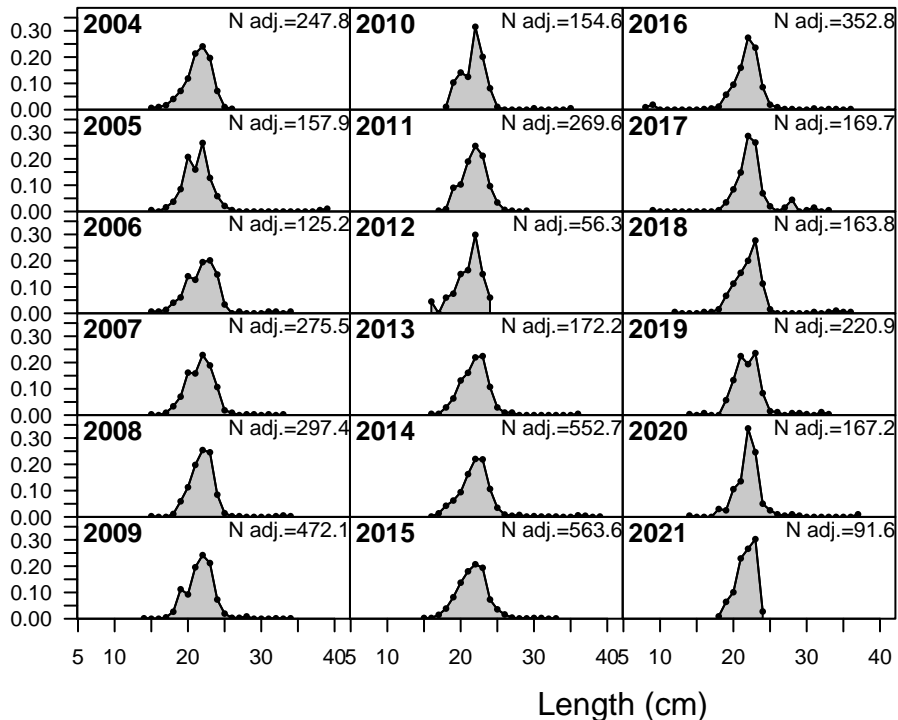
Sum of N adj.=4510.8

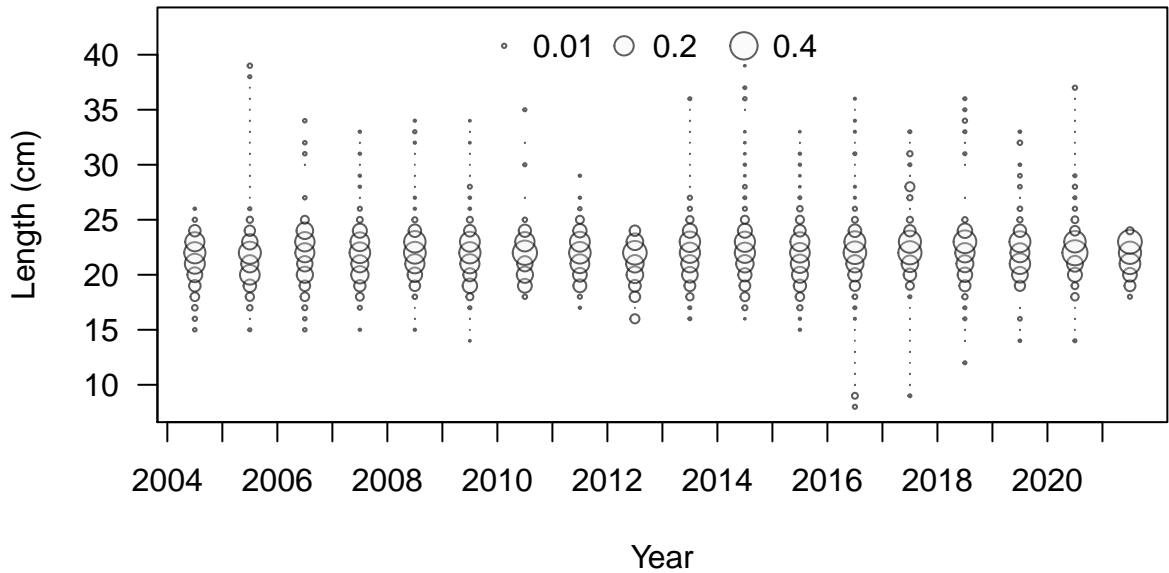




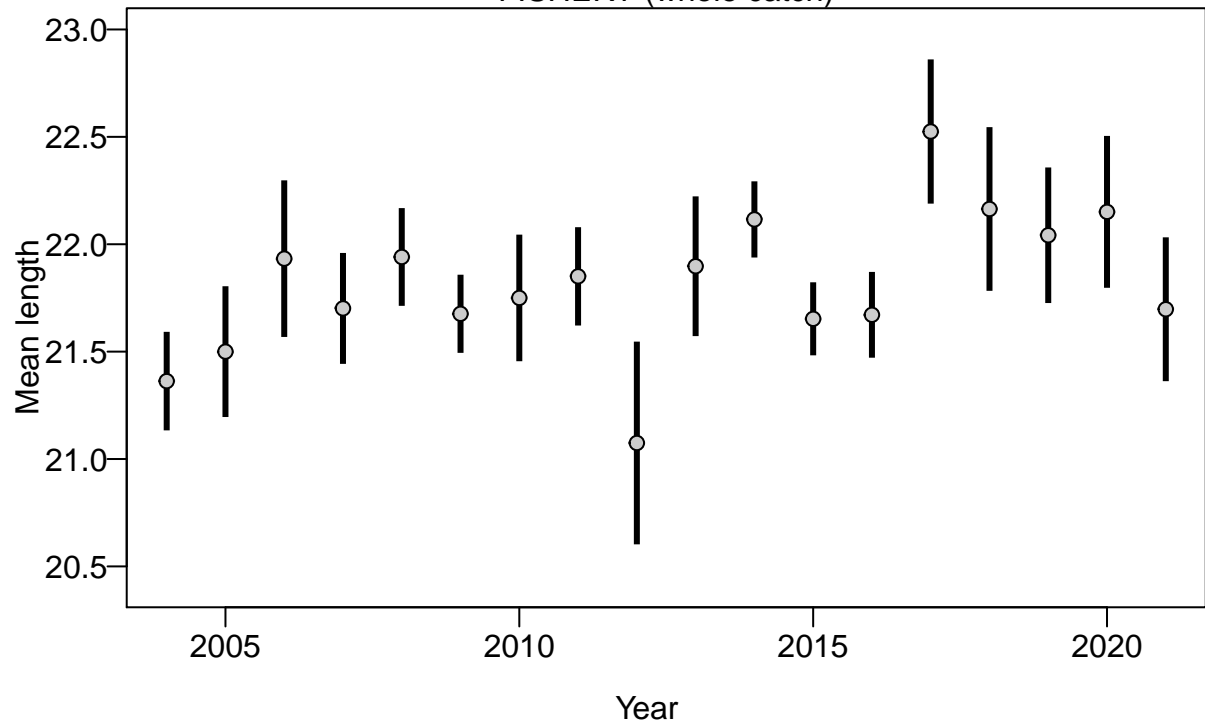


Proportion



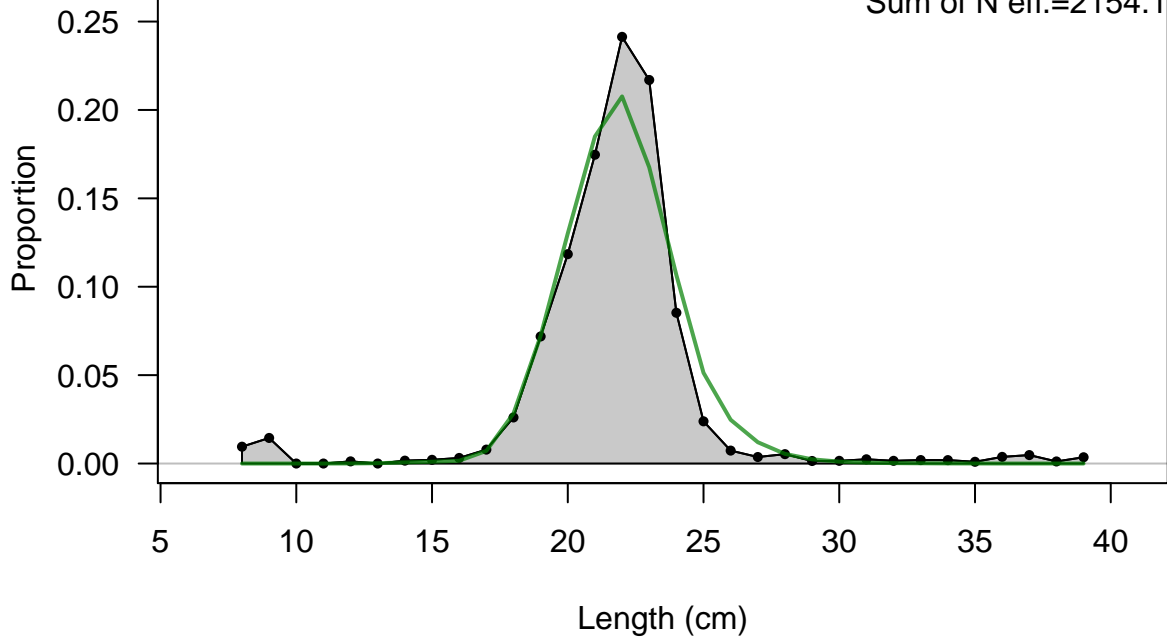


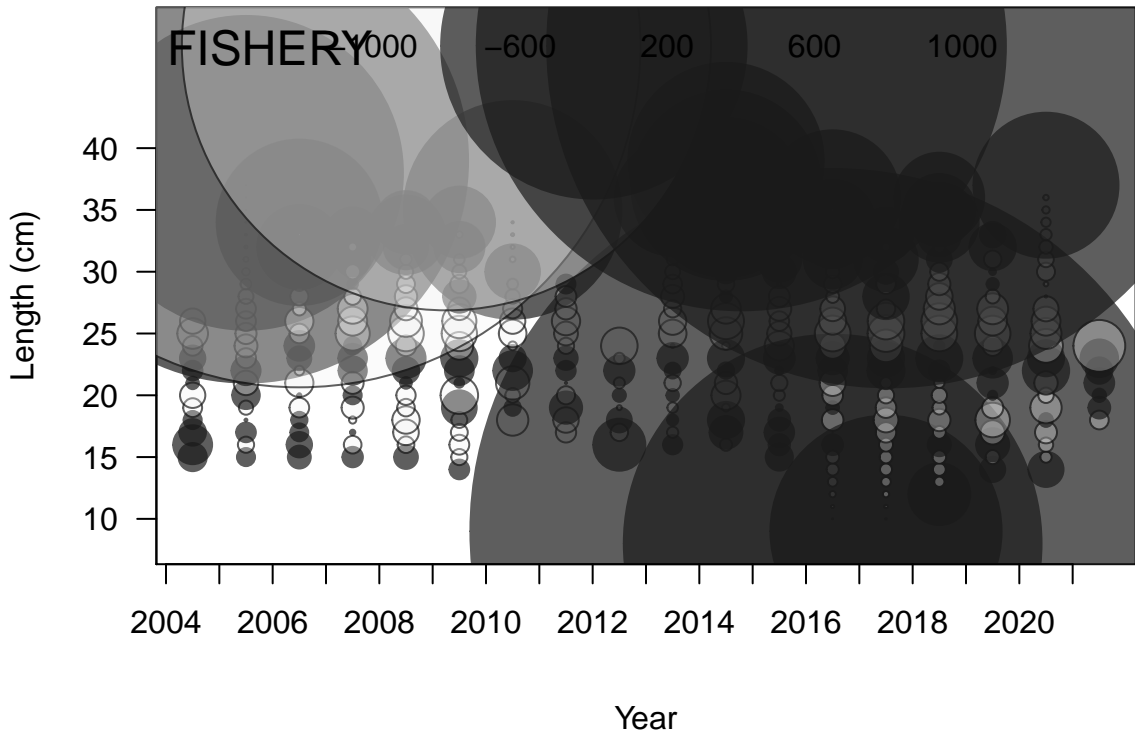
FISHERY (whole catch)



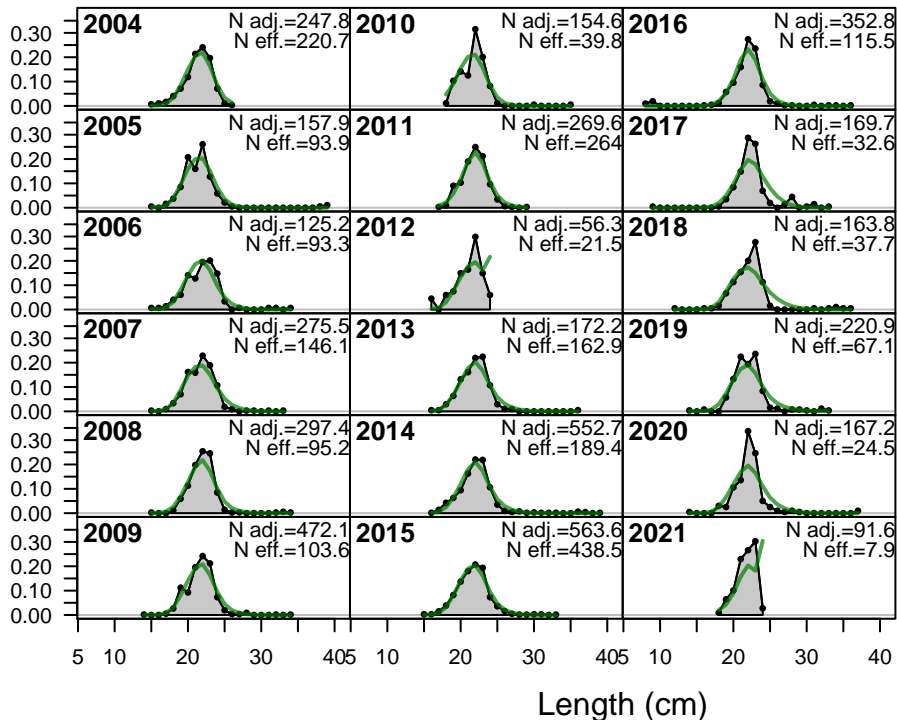
# FISHERY

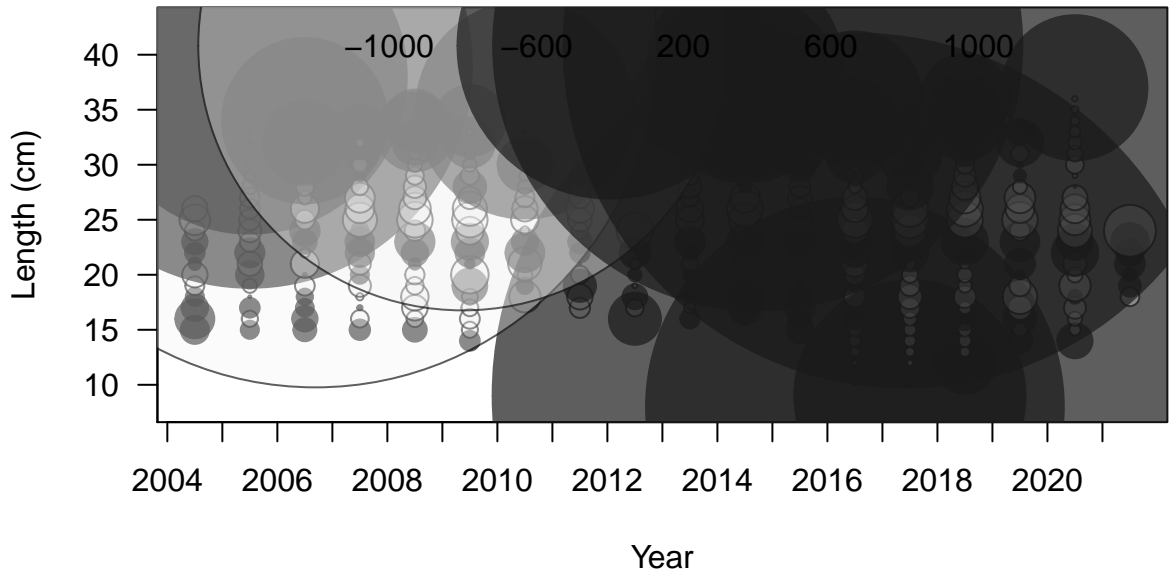
Sum of N adj.=4510.8  
Sum of N eff.=2154.1



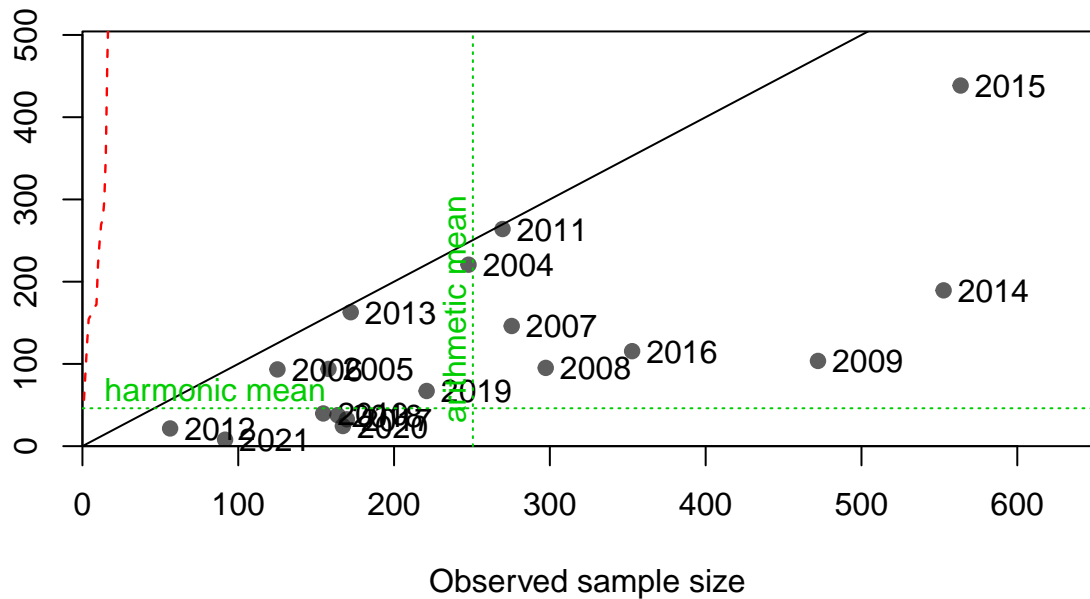


Proportion



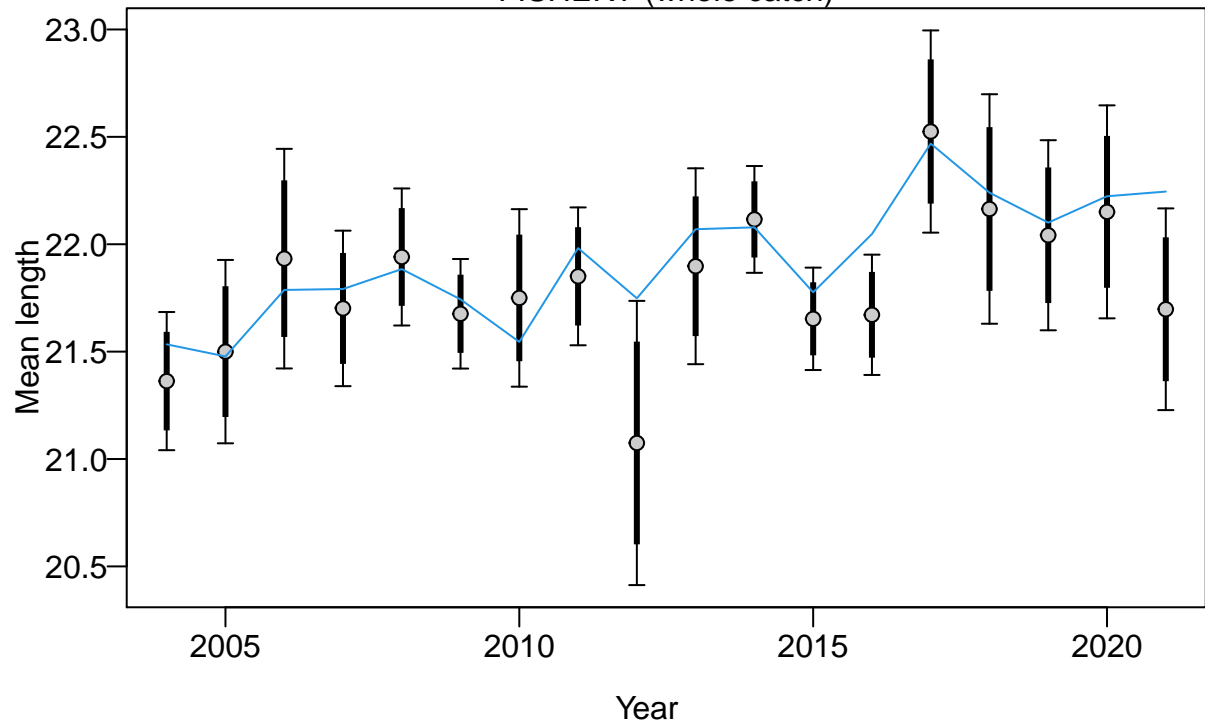


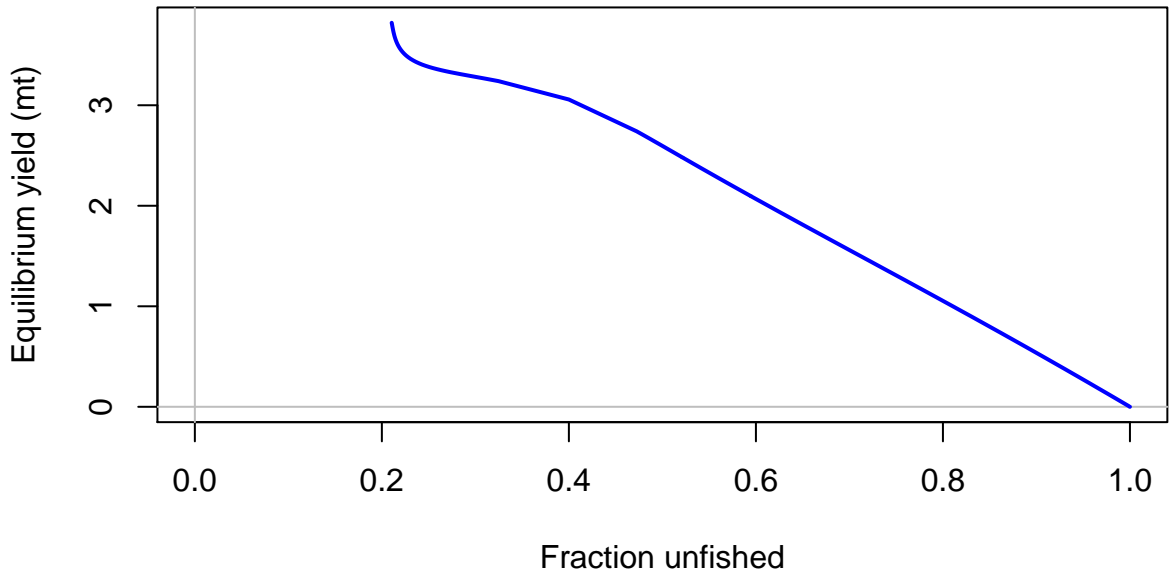
Effective sample size

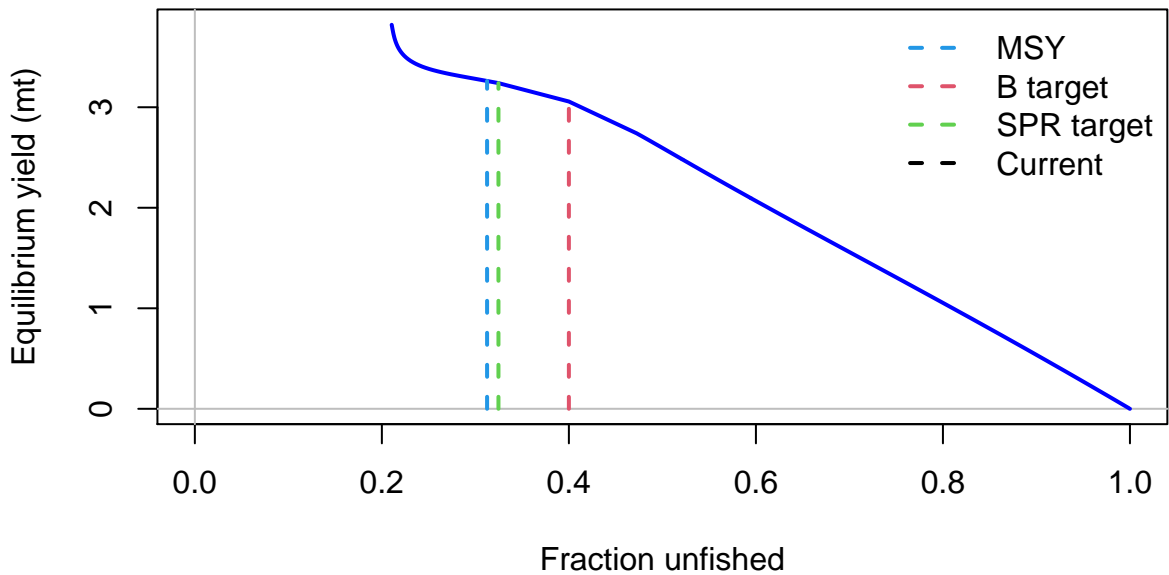


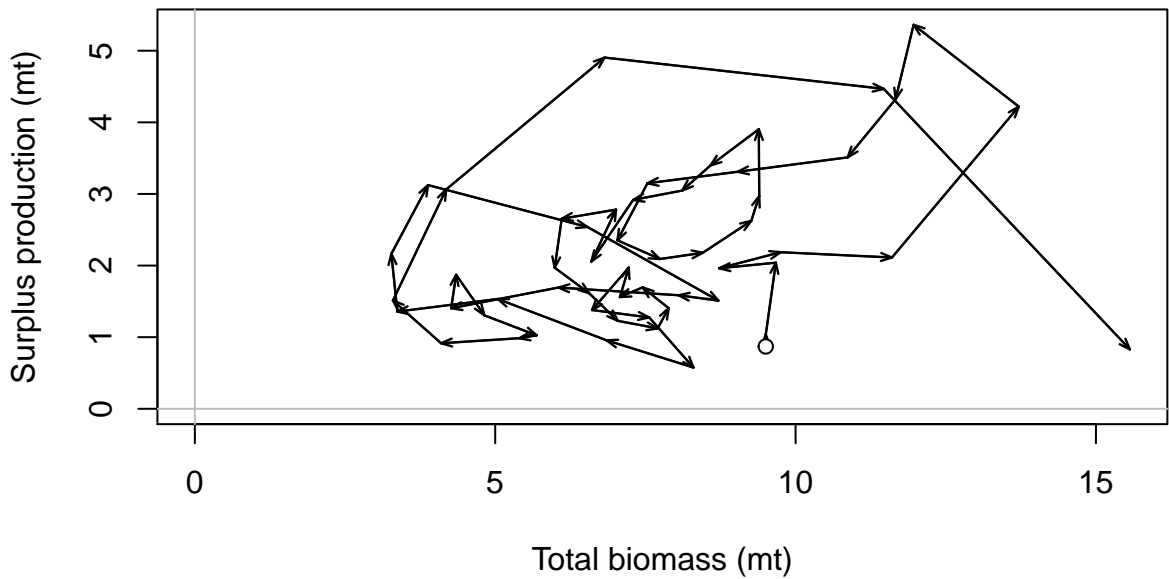


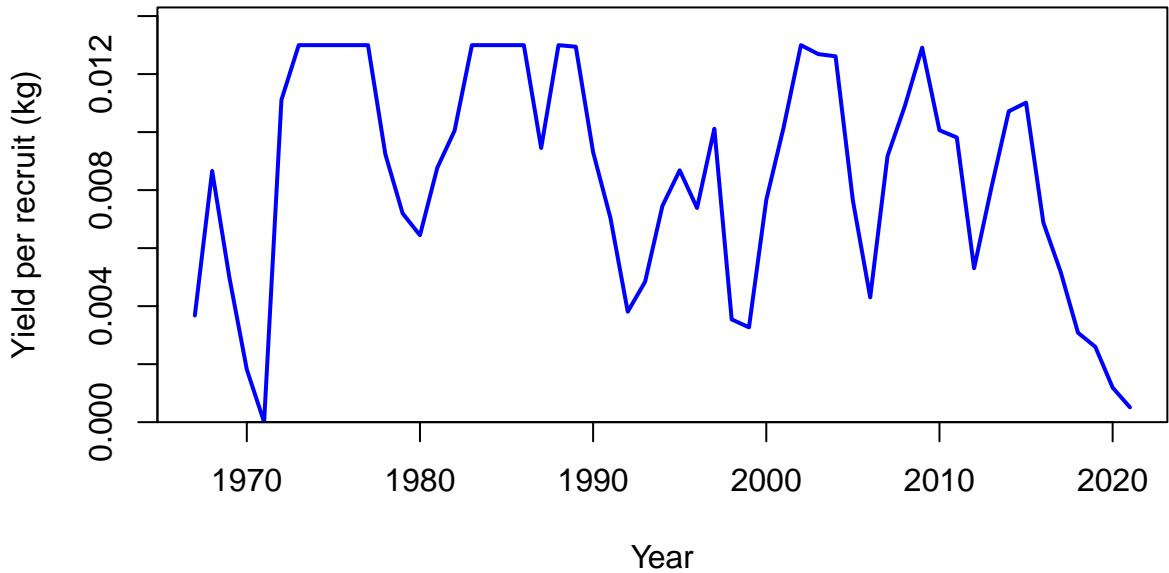
FISHERY (whole catch)

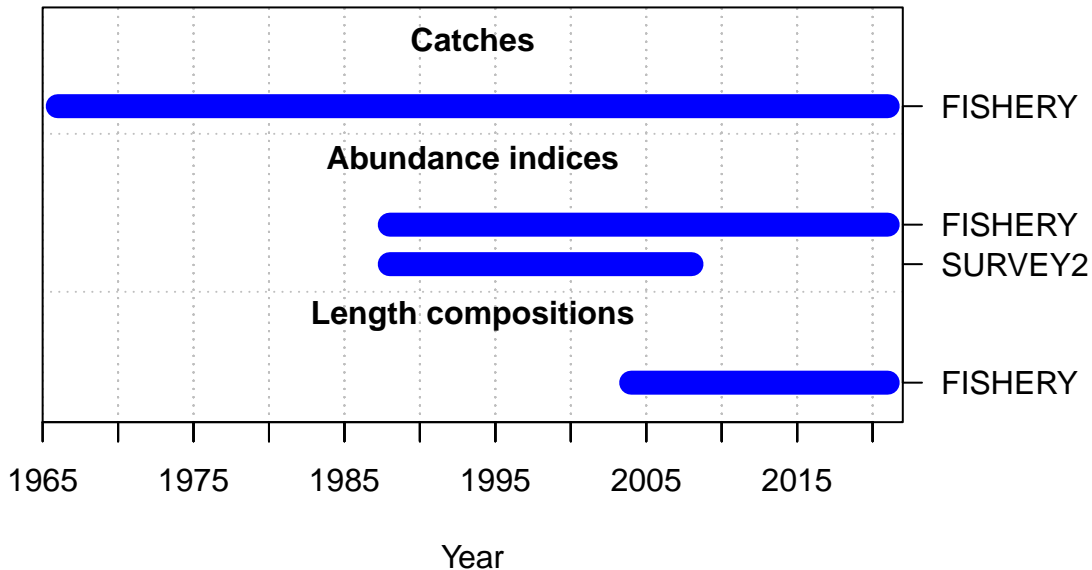


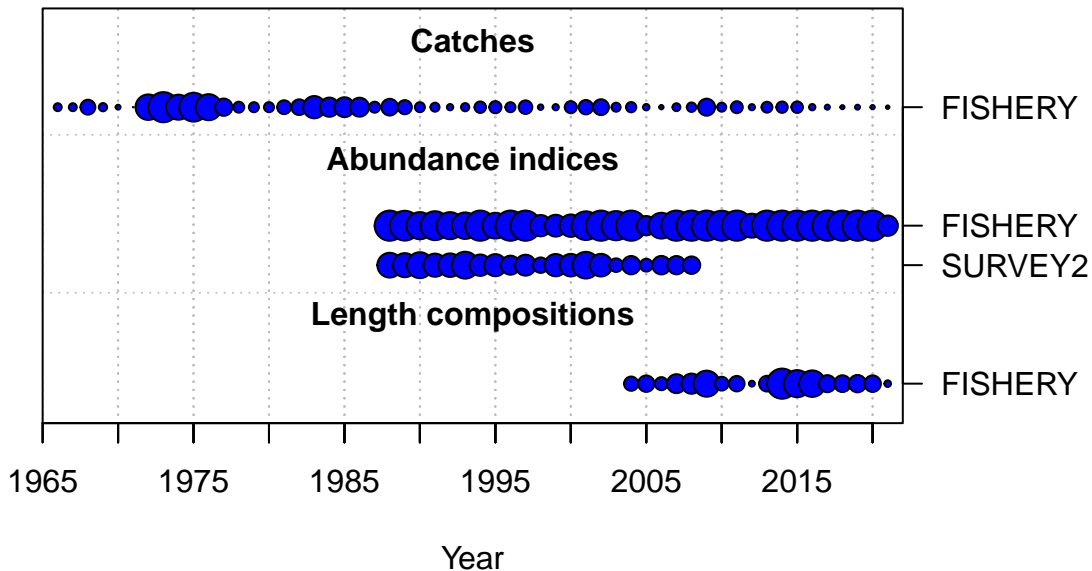






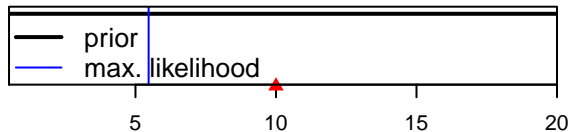




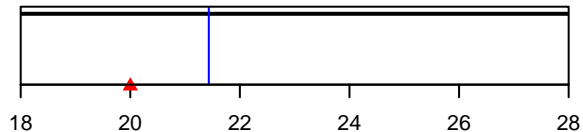


Density

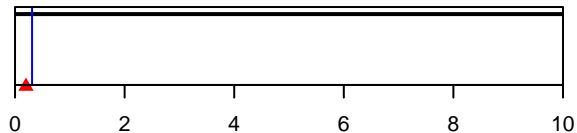
SR\_LN(R0)



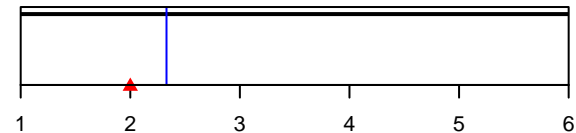
Size\_inflection\_FISHERY(1)



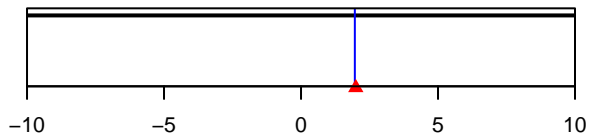
InitF\_seas\_1\_flt\_1FISHERY



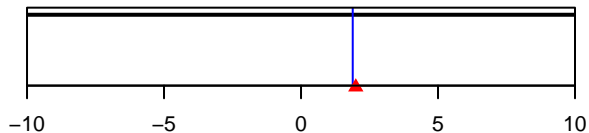
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)



Parameter value