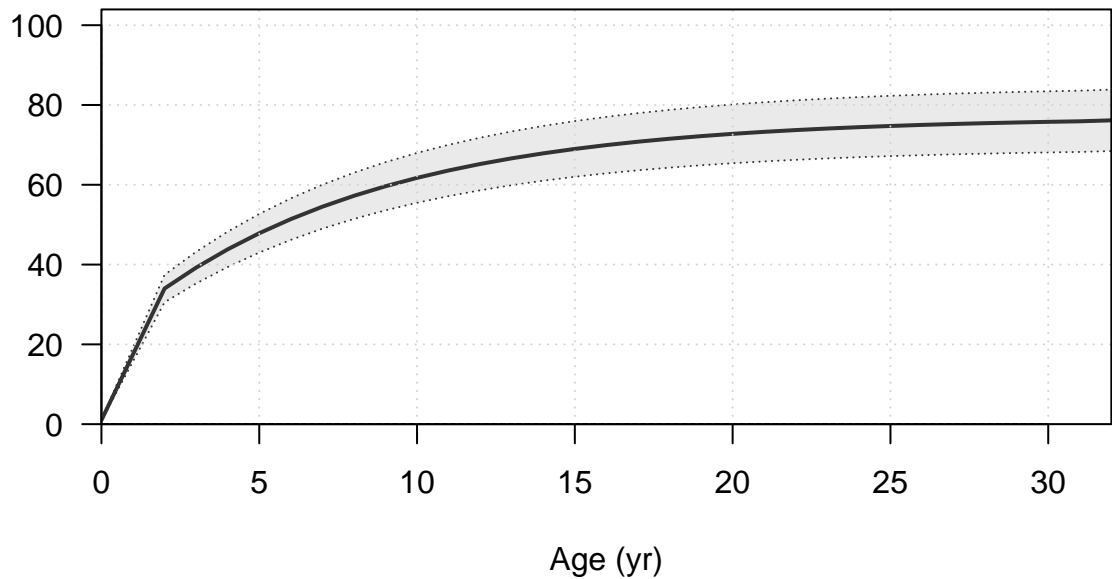
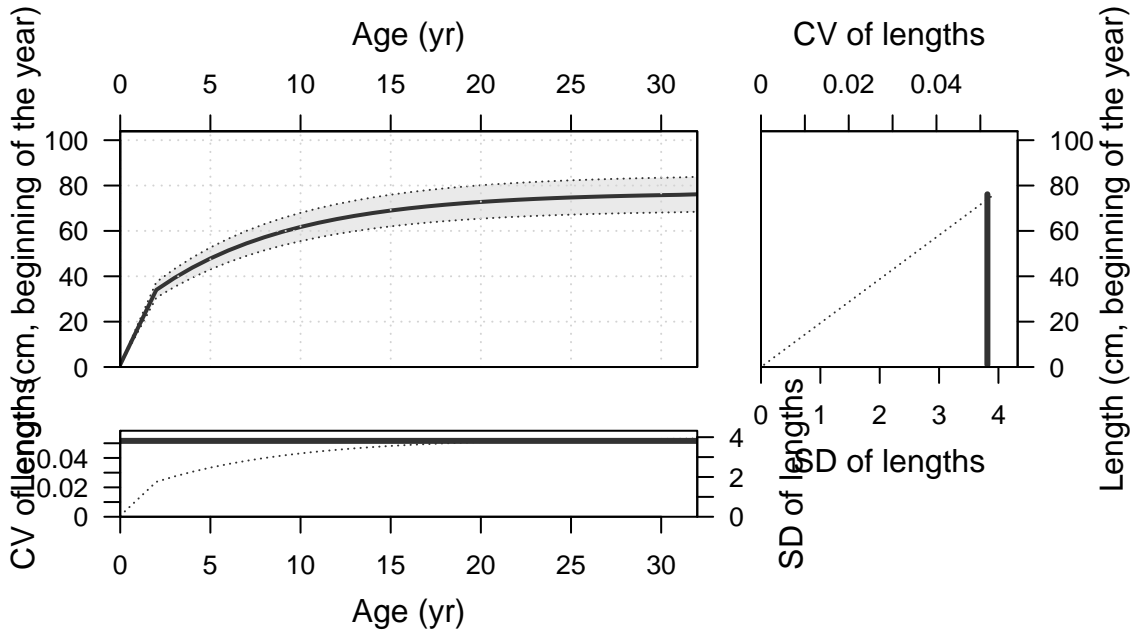
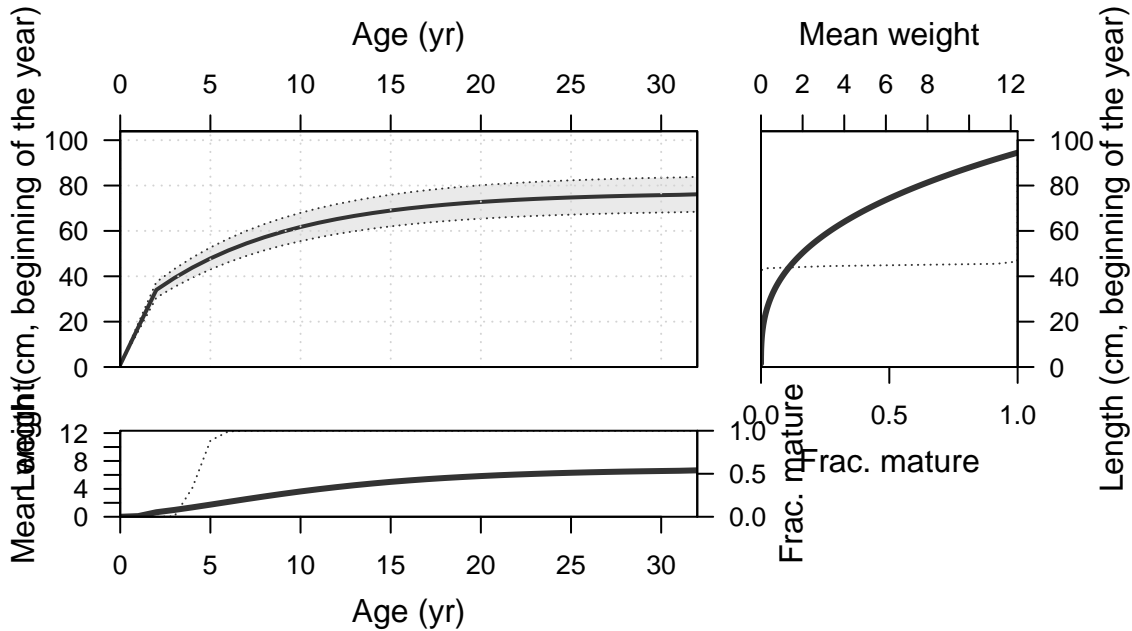


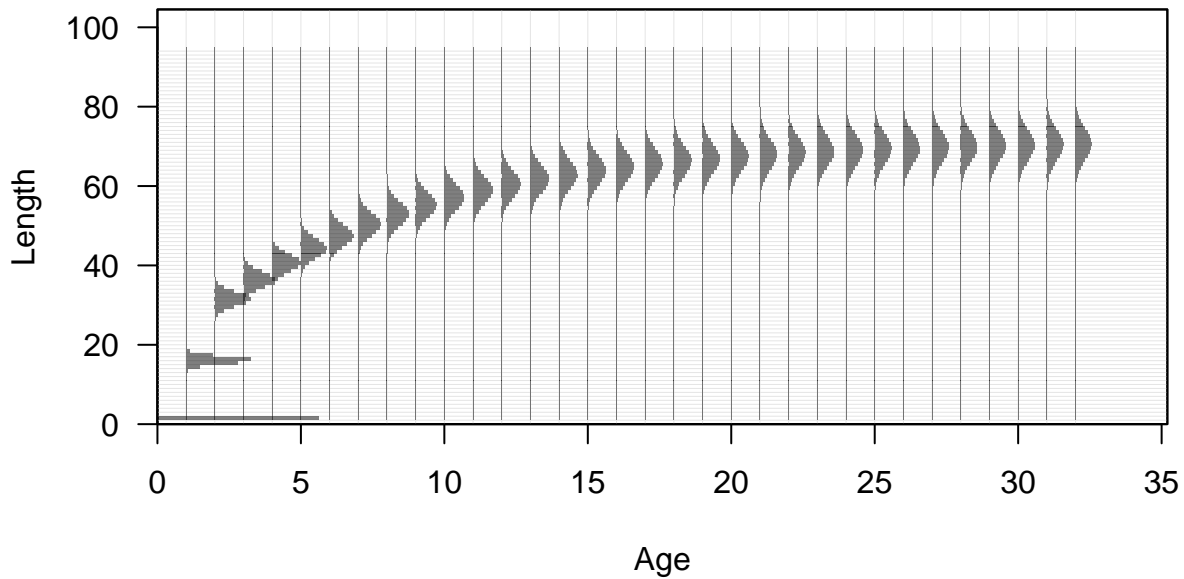
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Thu Jan 05 20:18:50 2023  
Data\_File: data.ss  
Control\_File: control.ss

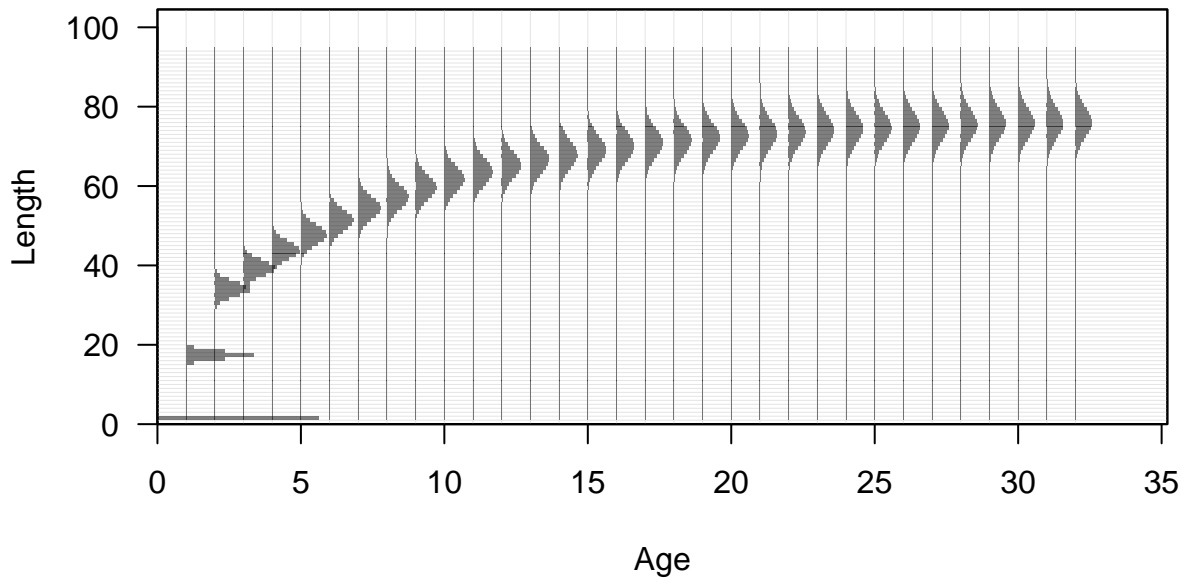
Length (cm, beginning of the year)

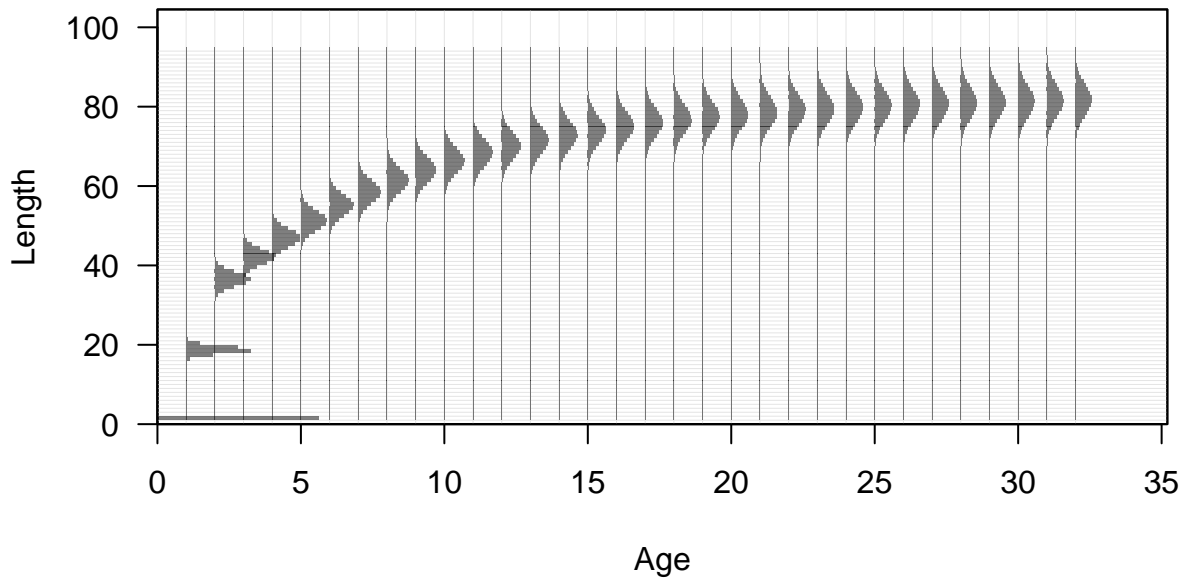


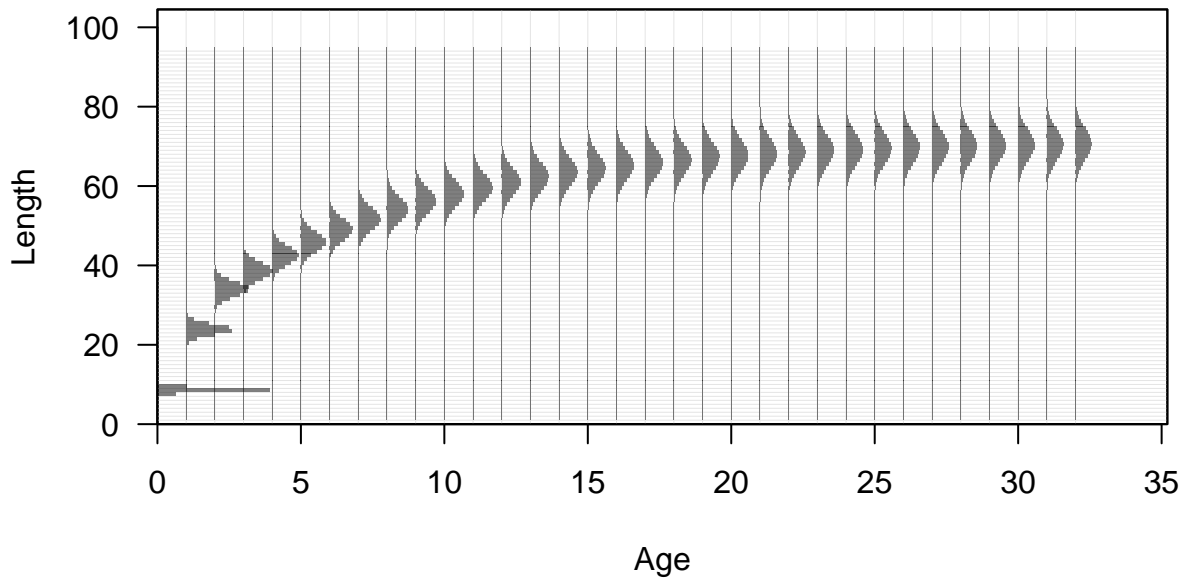




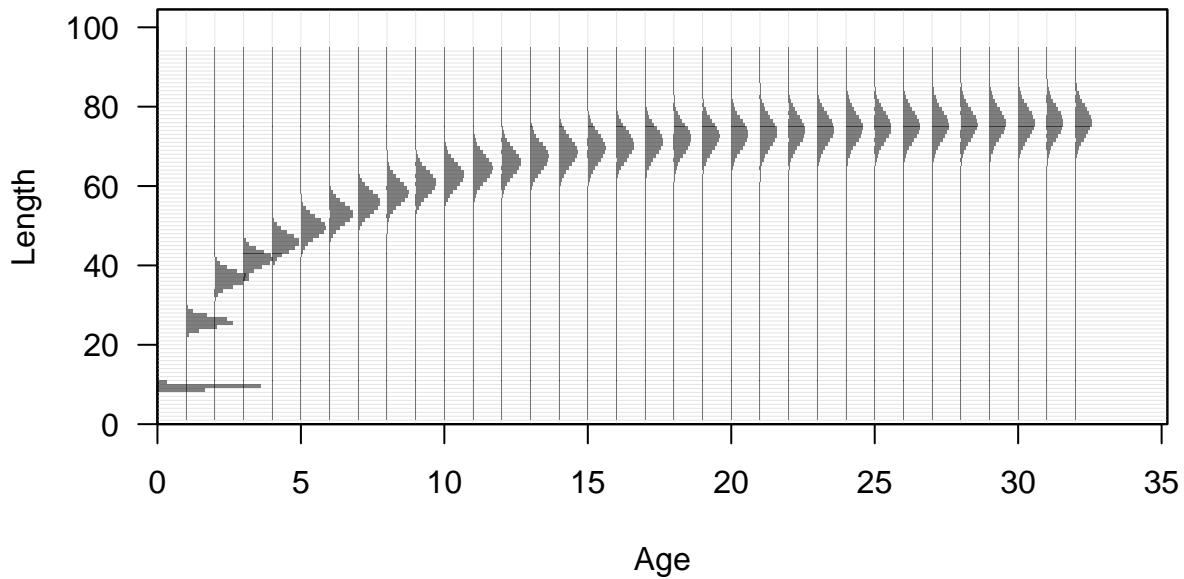


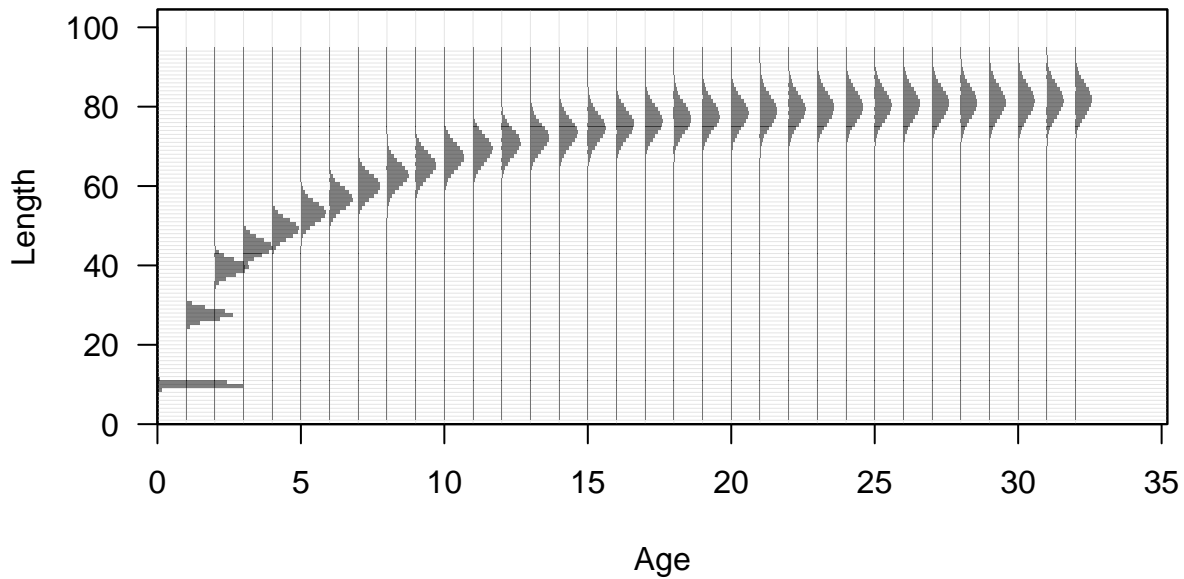


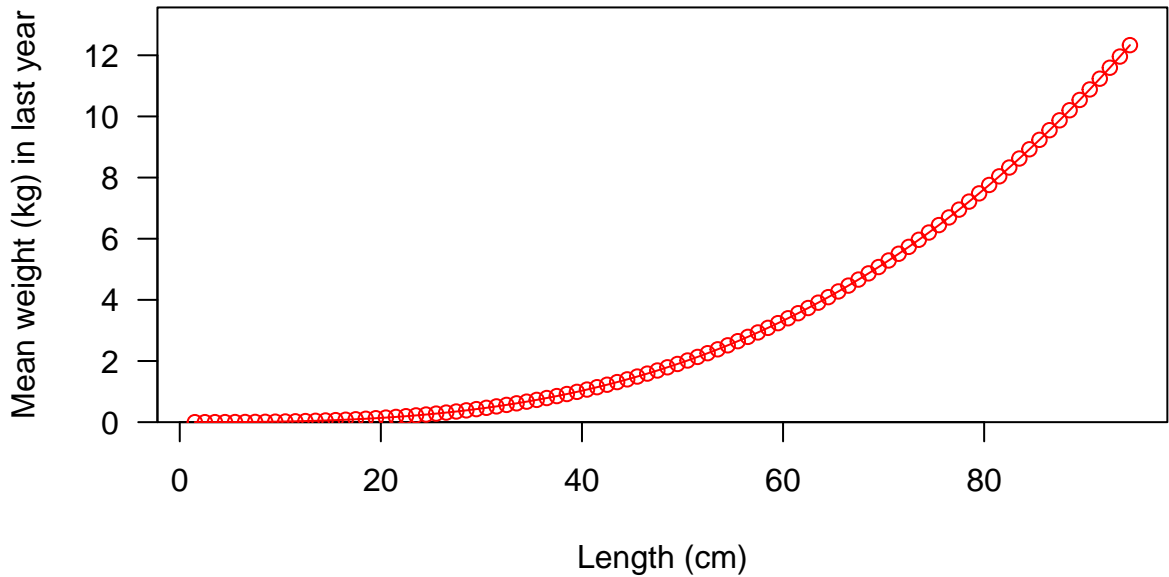


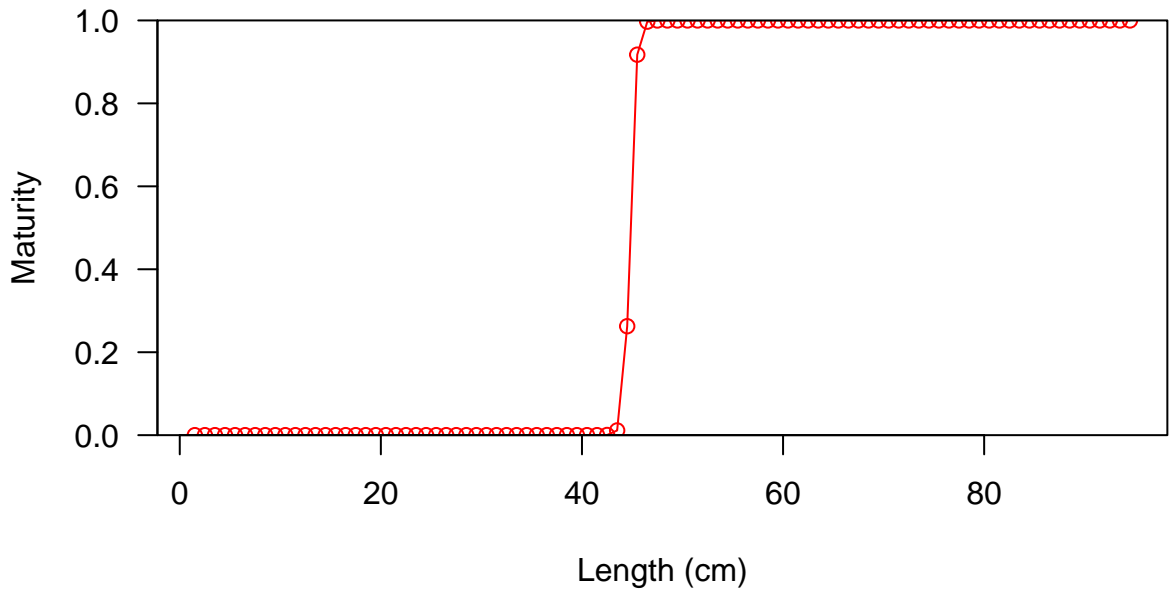


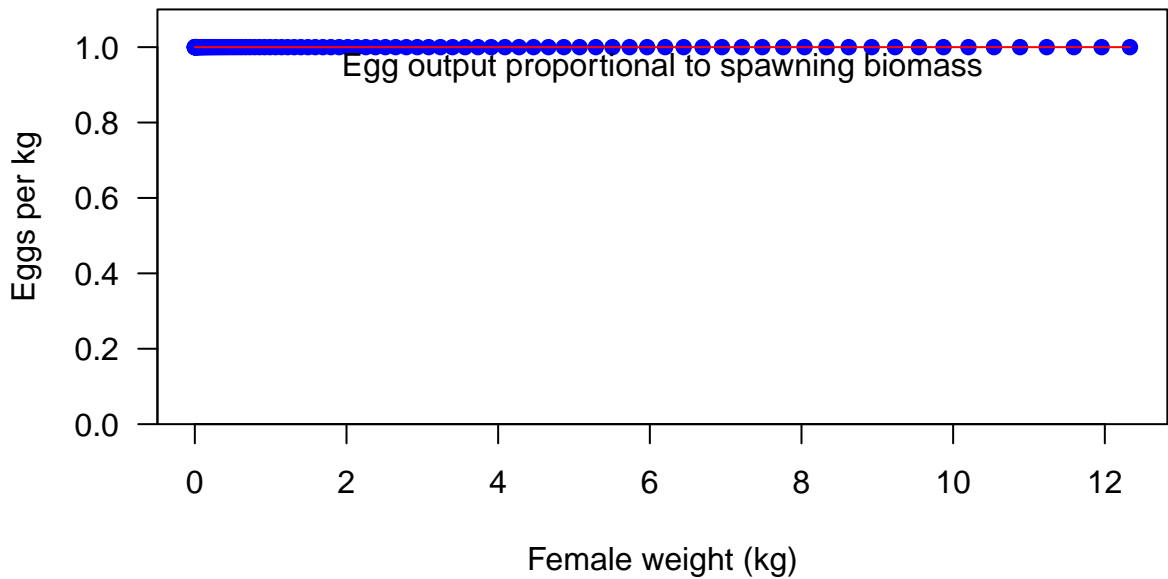




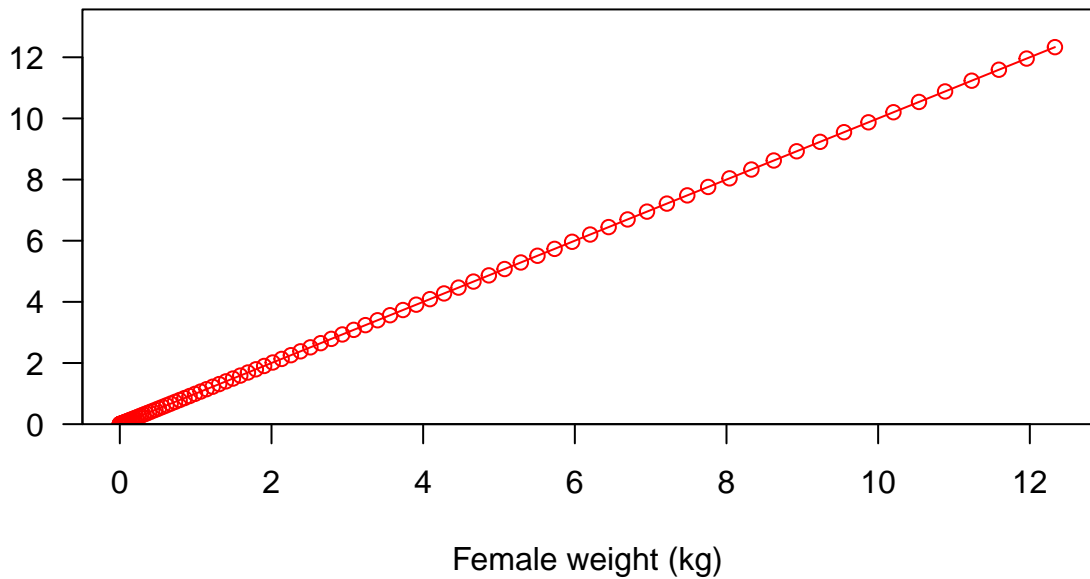




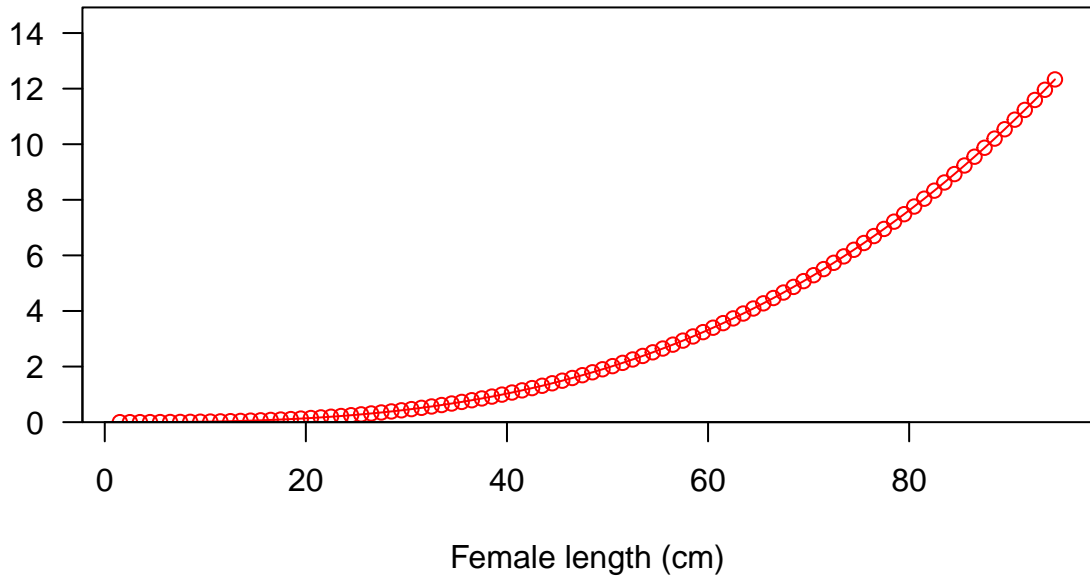




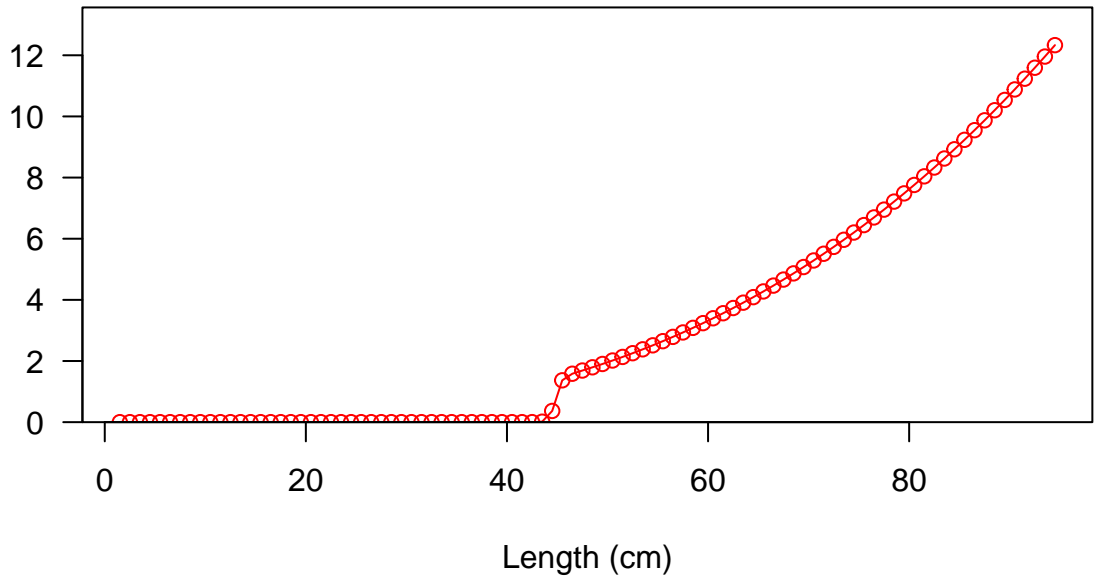
Fecundity



Fecundity

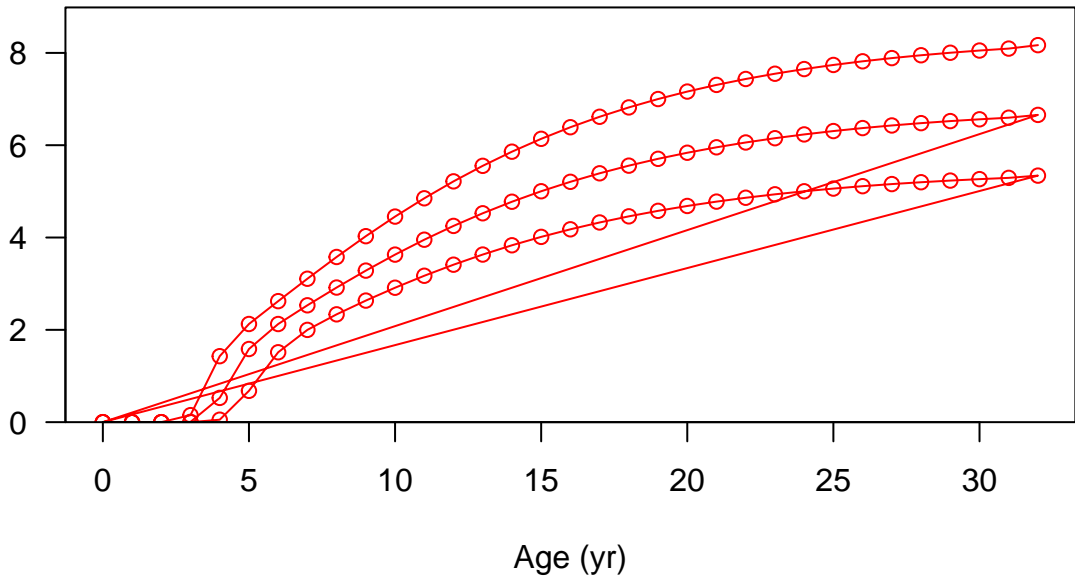


Spawning output

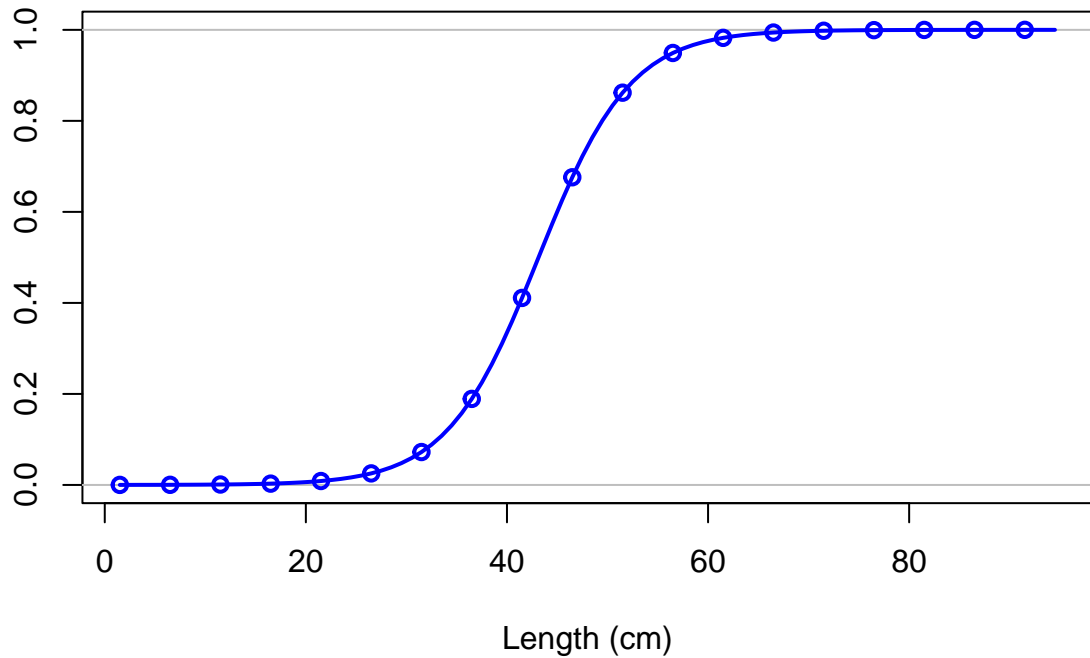




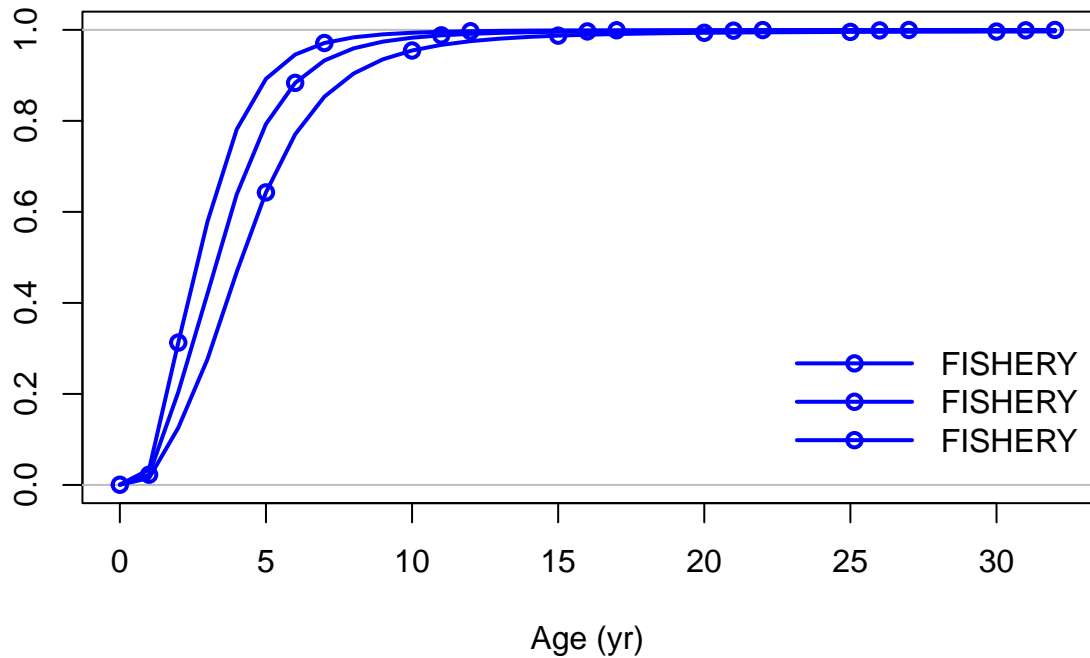
Spawning output



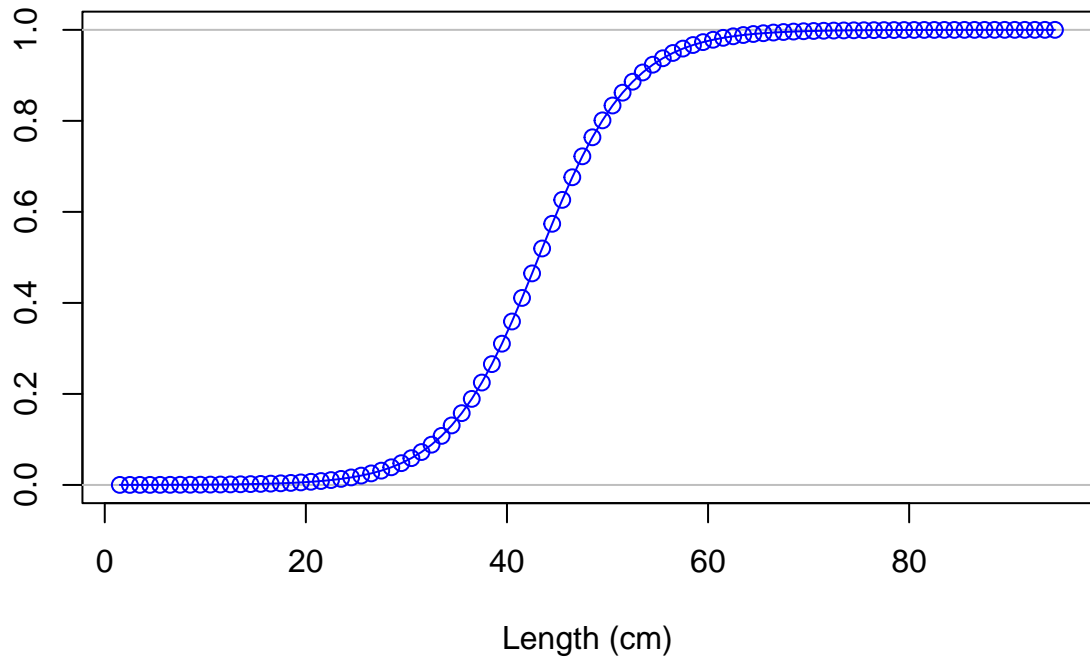
Selectivity

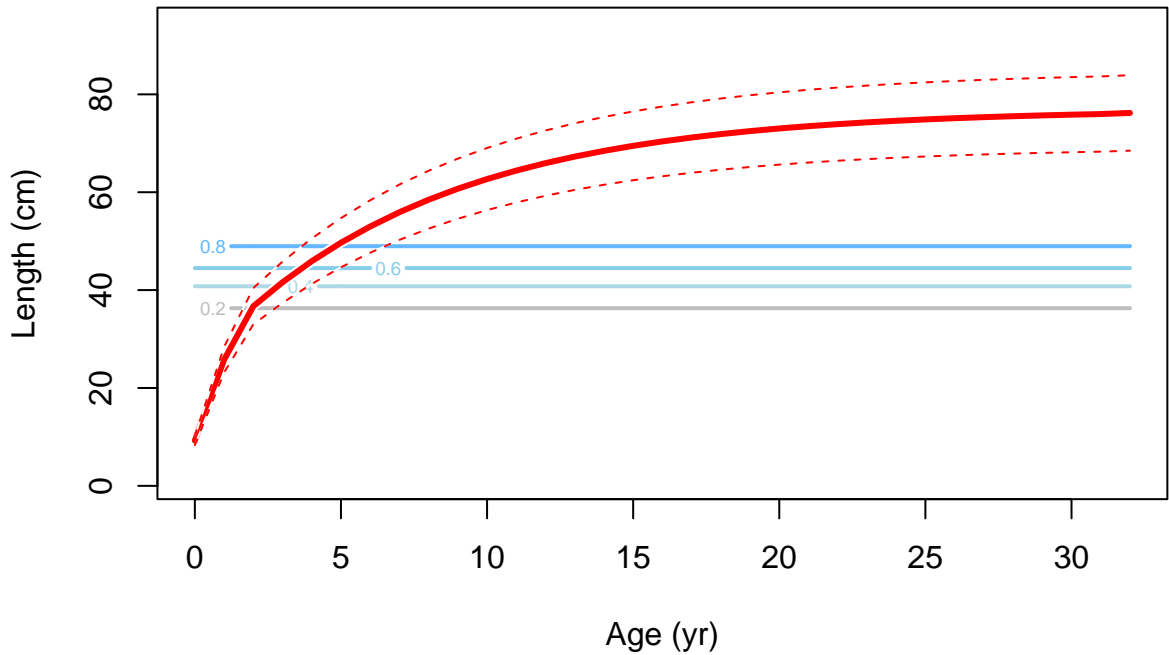


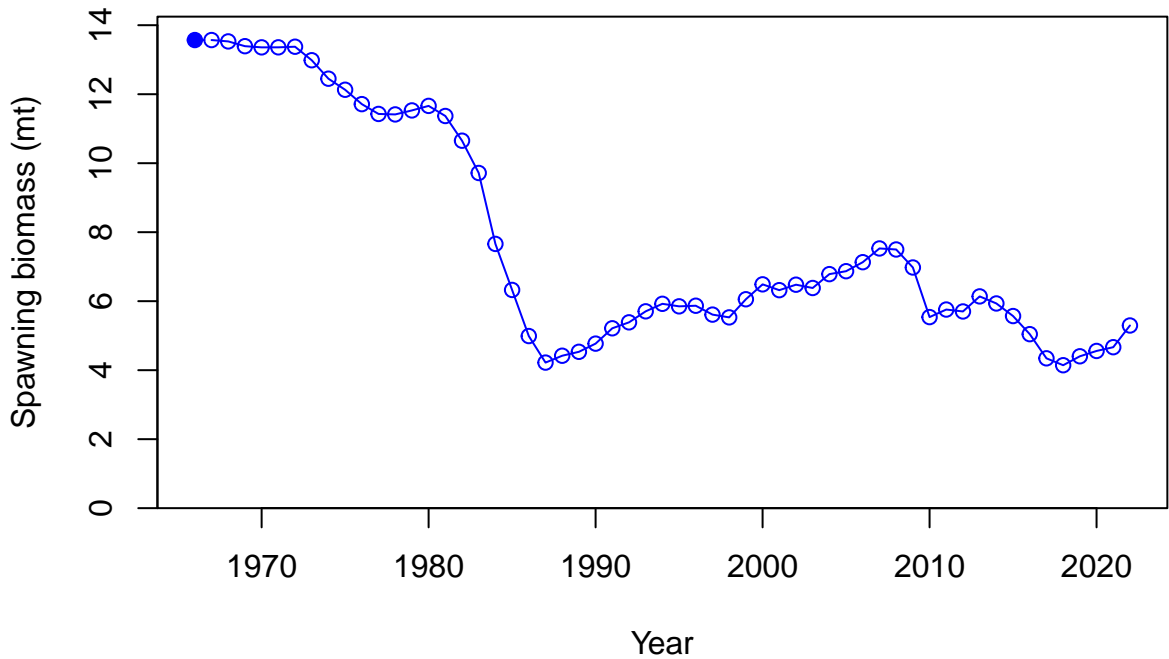
Selectivity



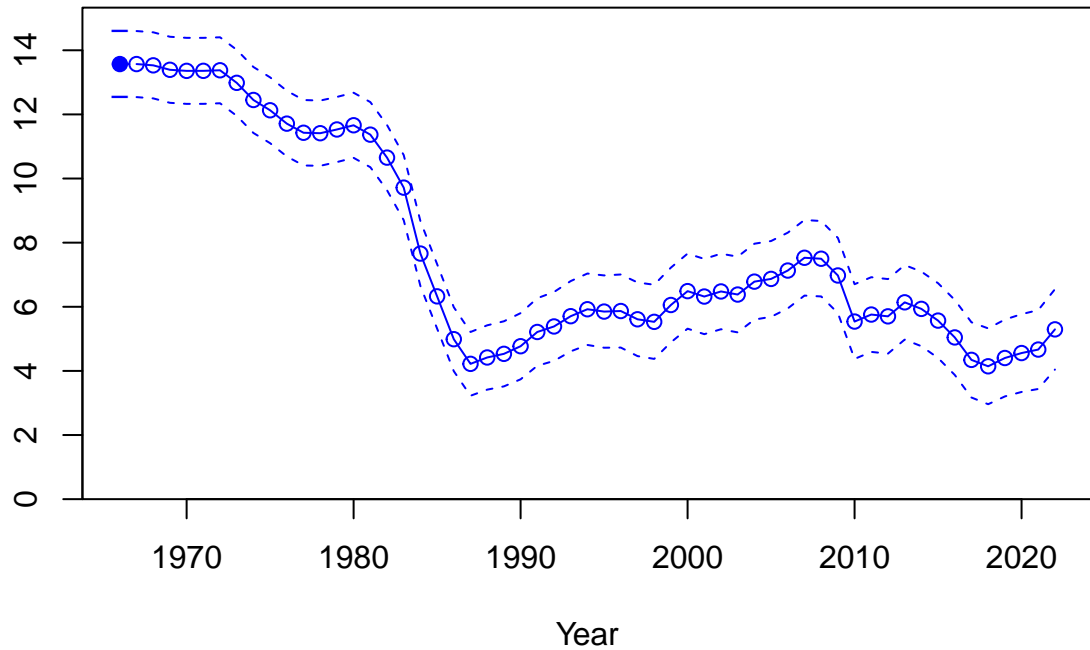
Selectivity



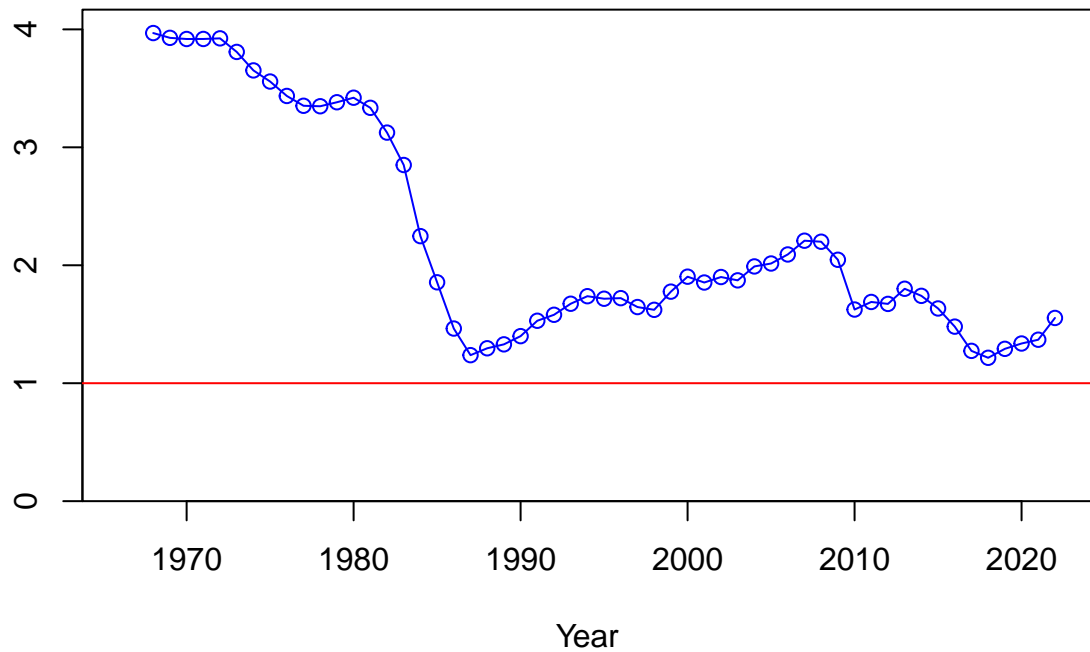




Spawning biomass (mt)

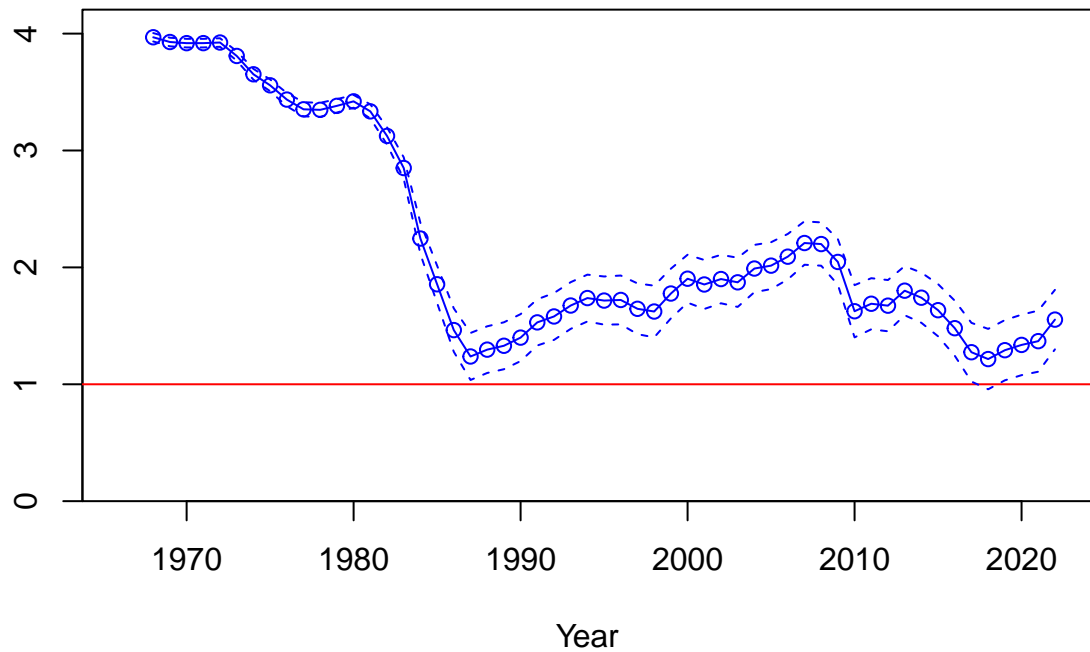


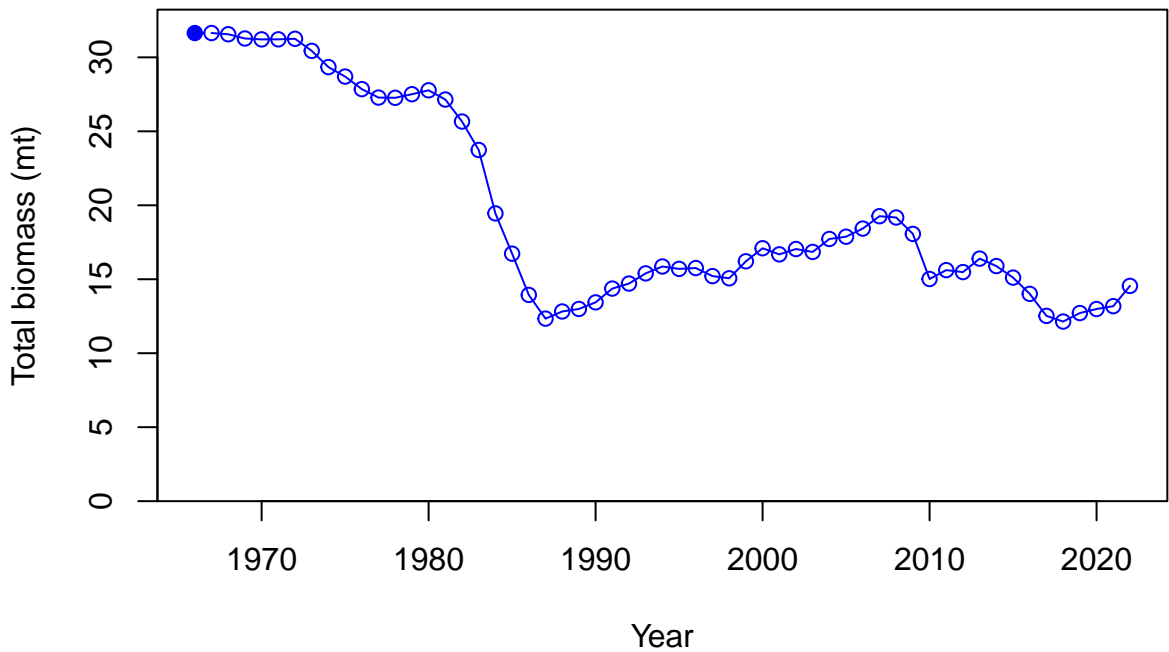
Relative spawning biomass:  $B/B_{MSY}$

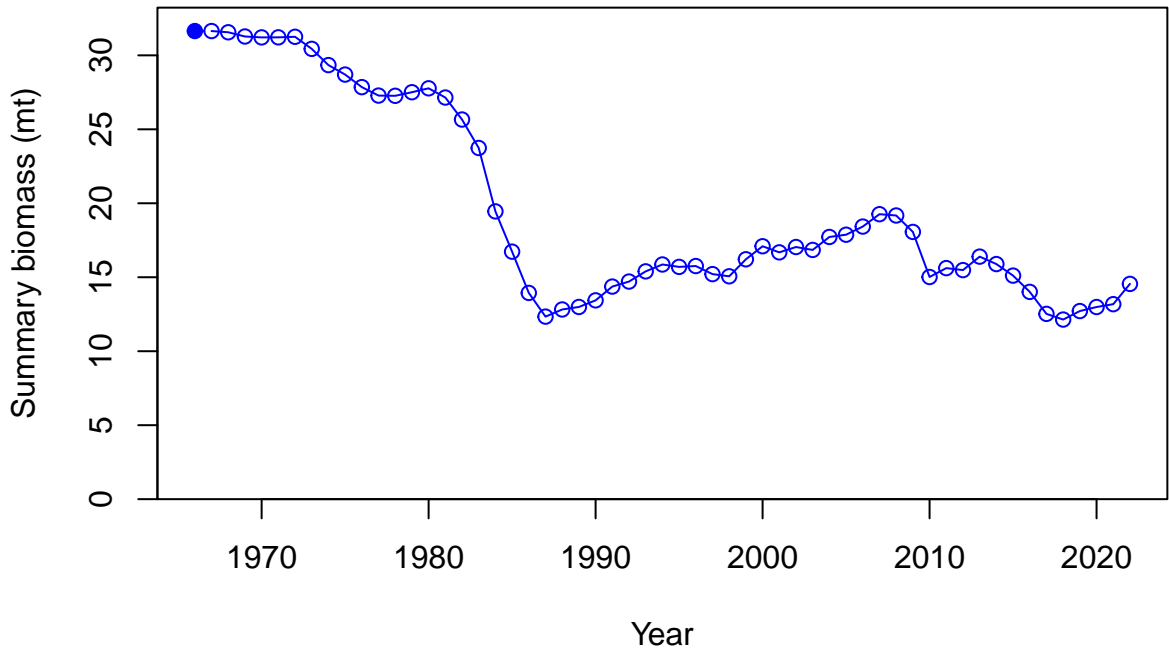




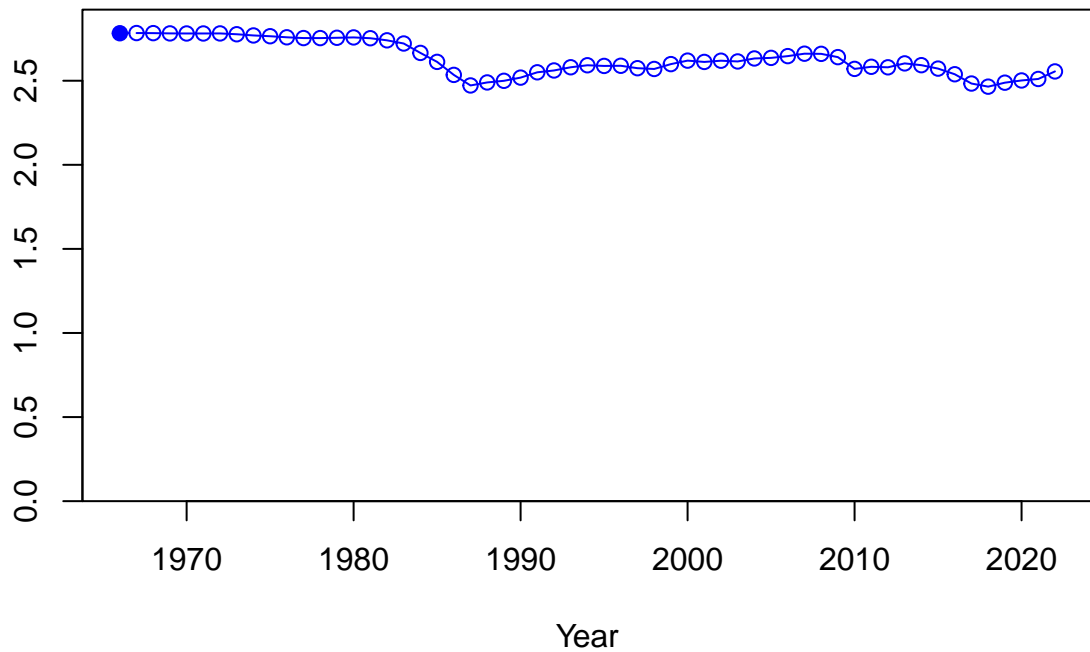
Relative spawning biomass: B/B<sub>MSY</sub>

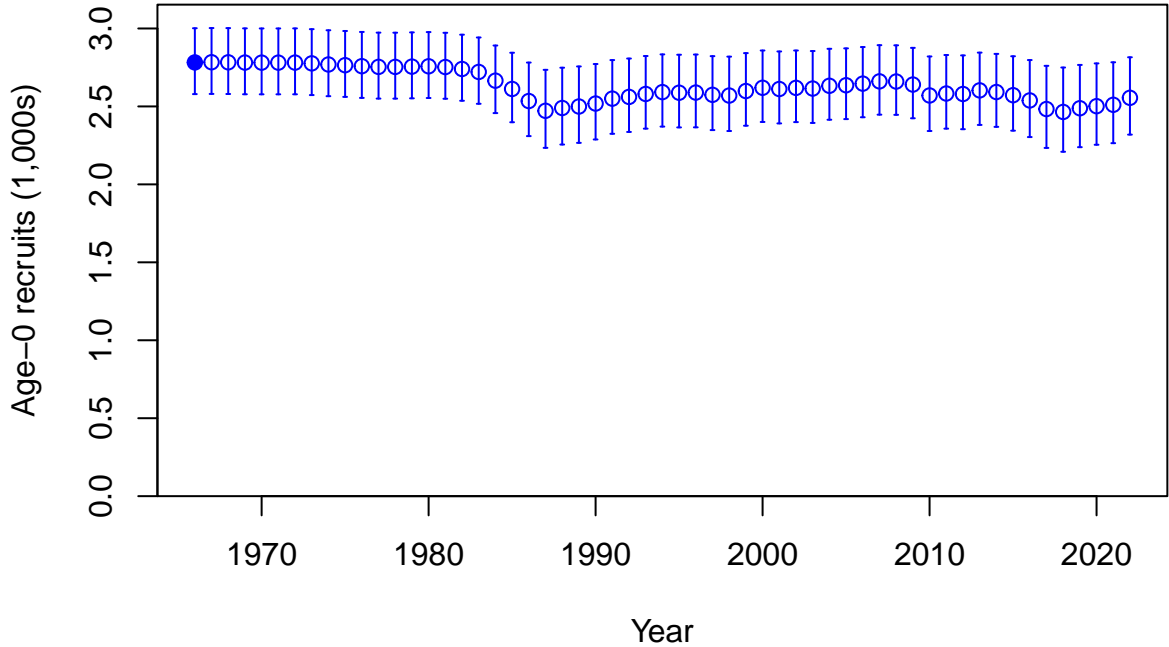




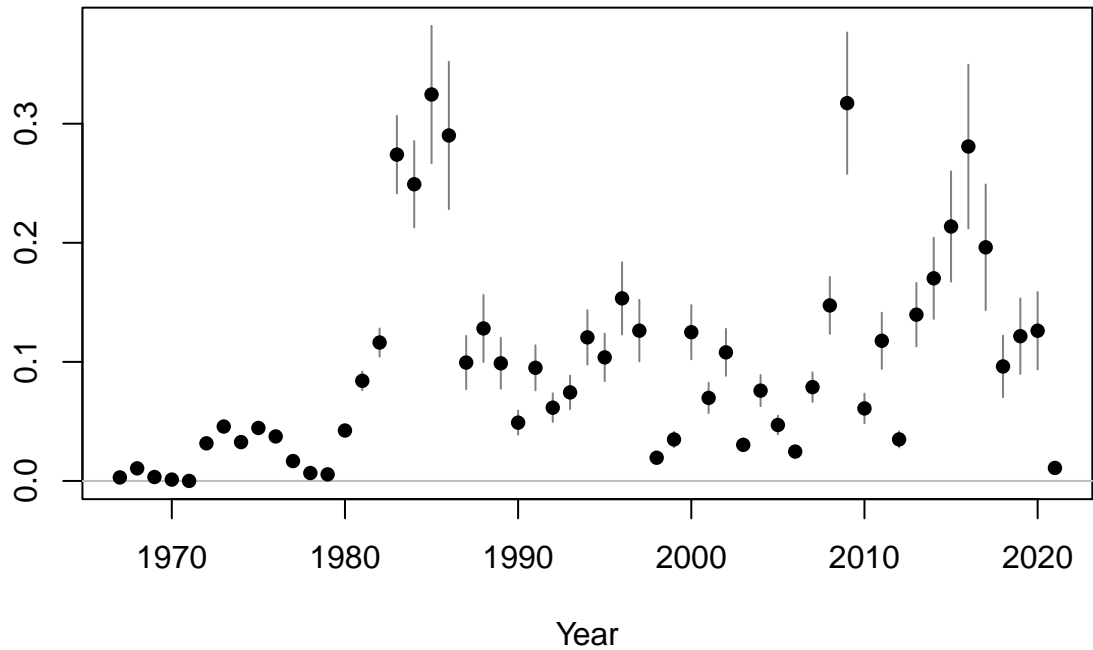


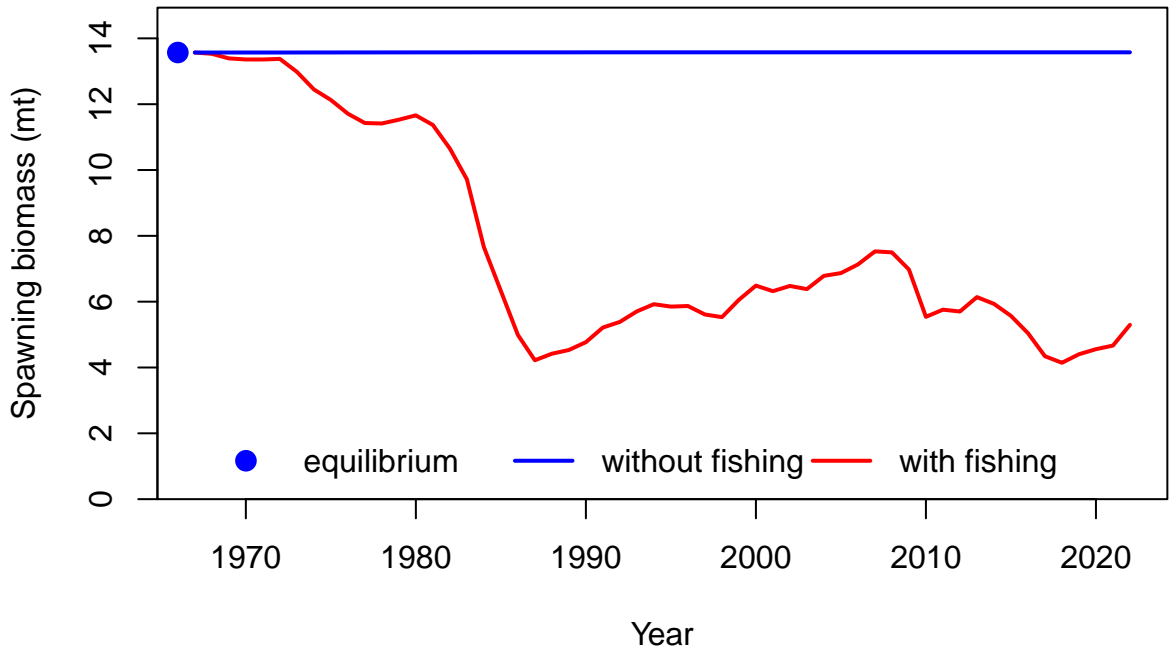
Age-0 recruits (1,000s)



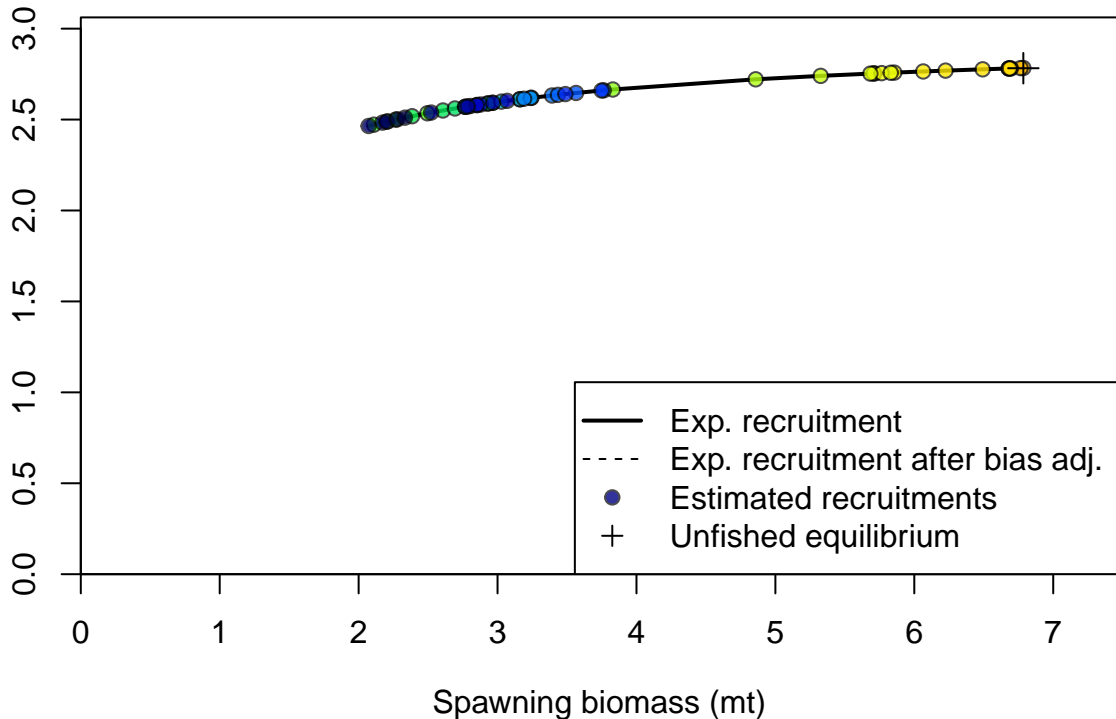


Summary Fishing Mortality



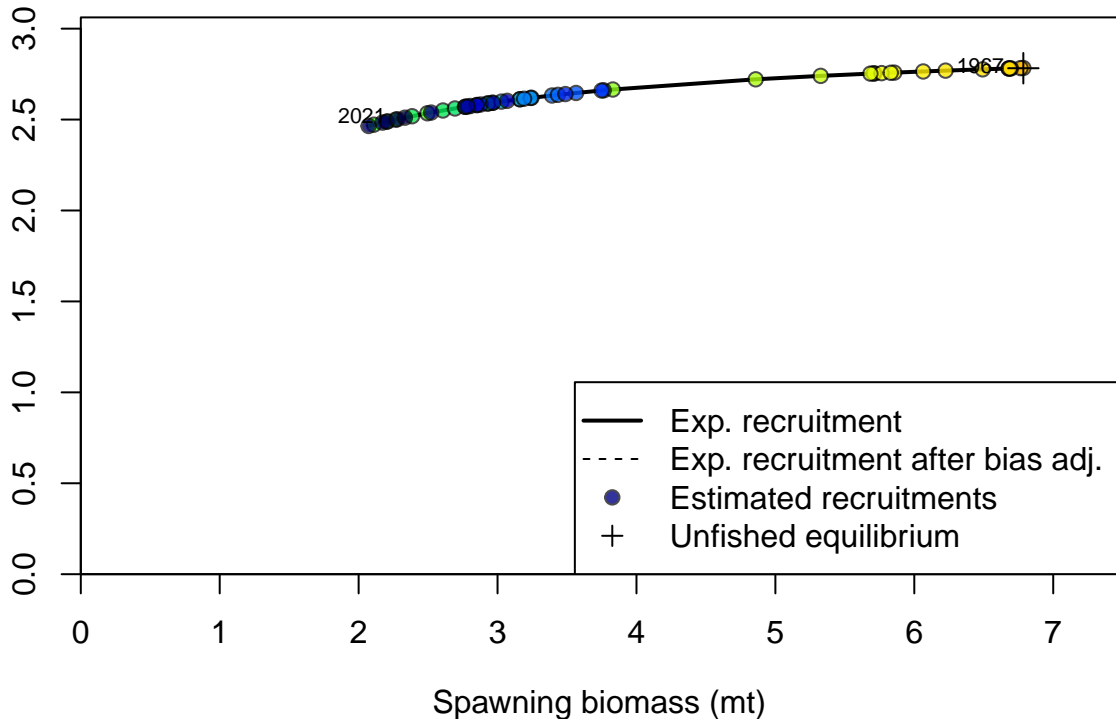


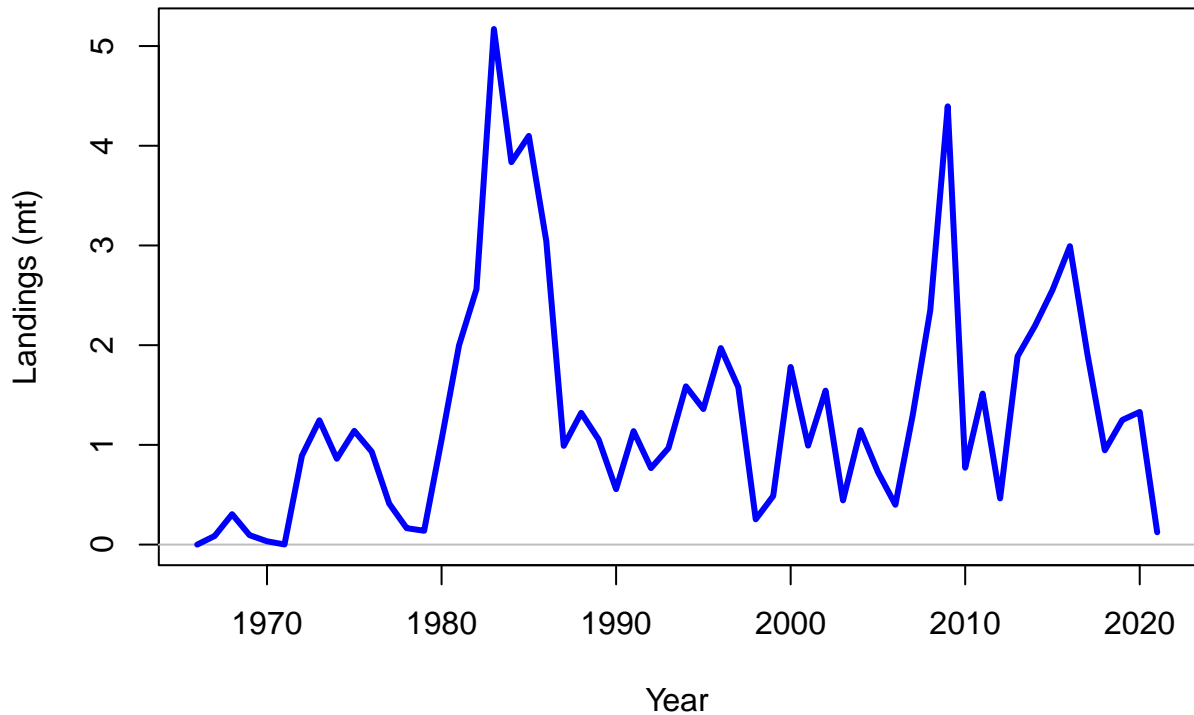
Recruitment (1,000s)



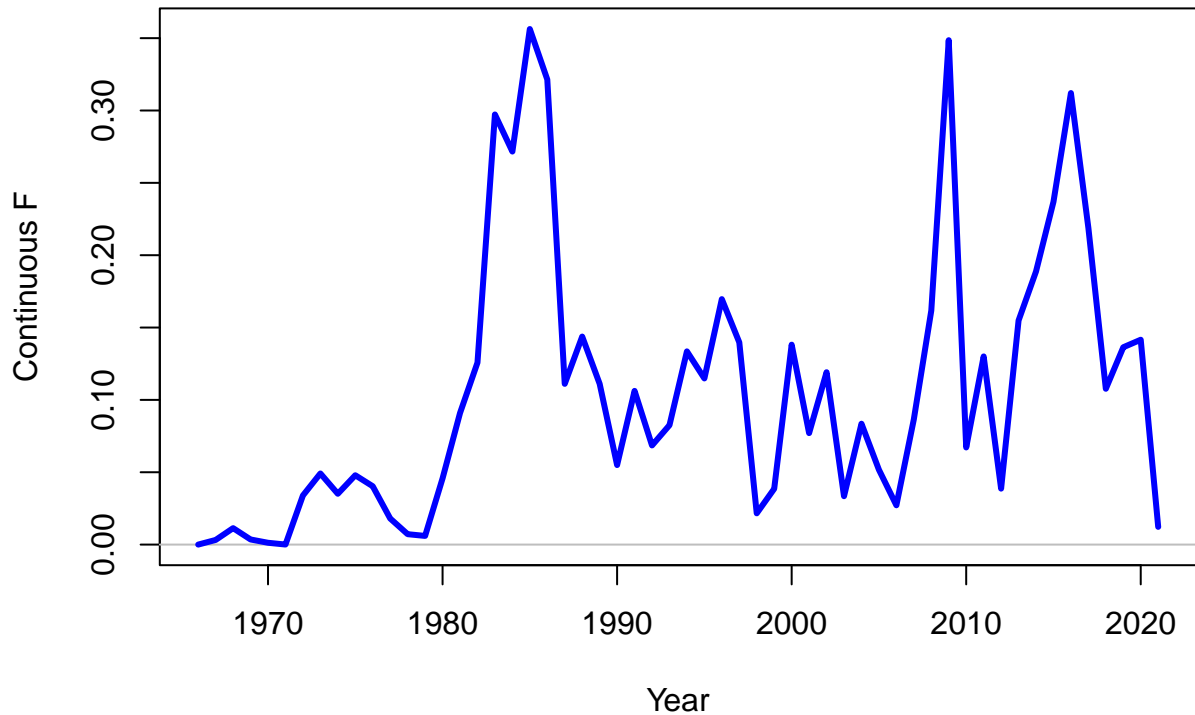


Recruitment (1,000s)

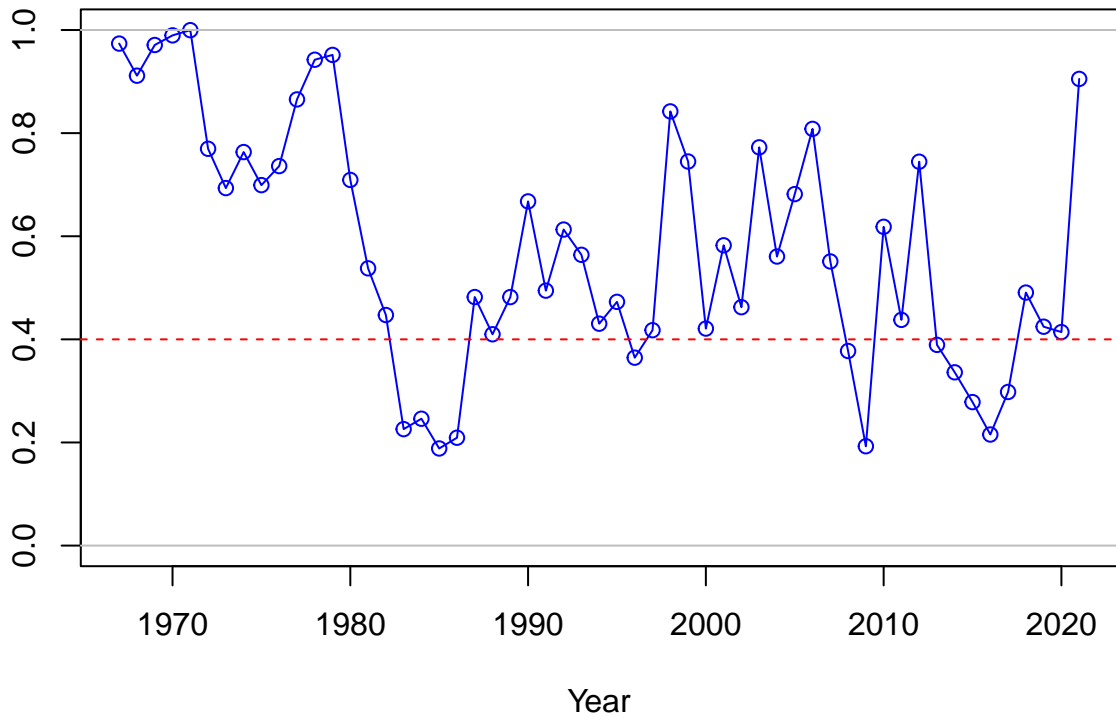


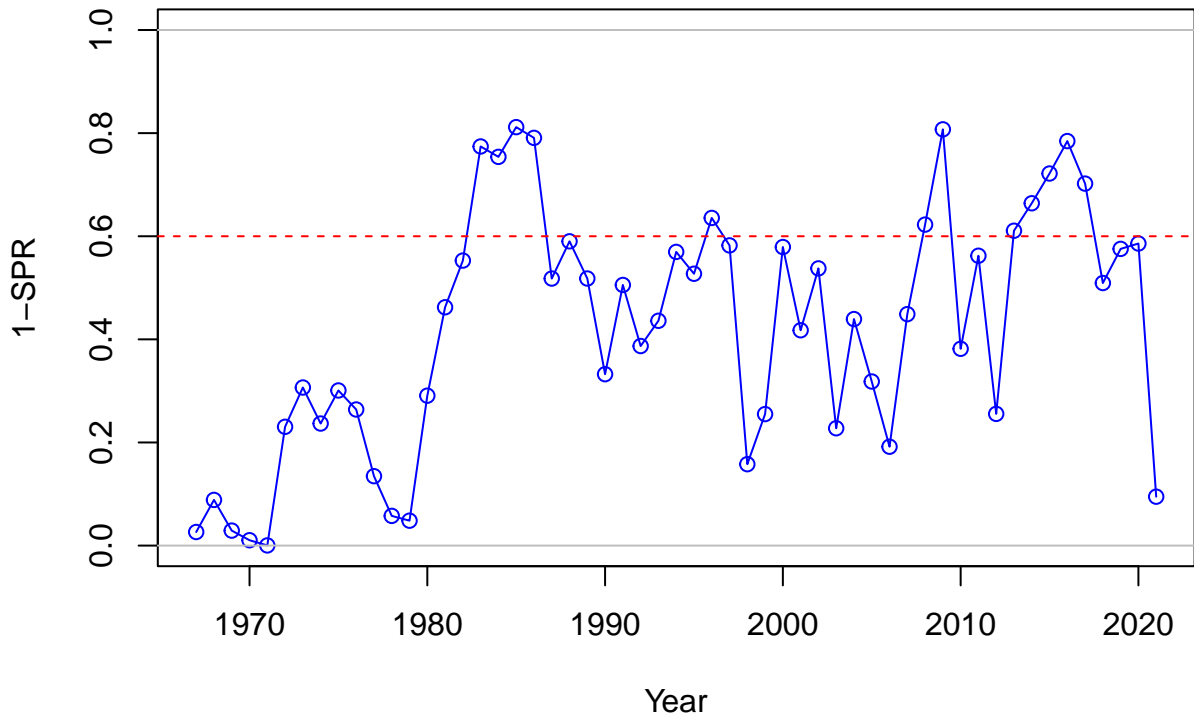




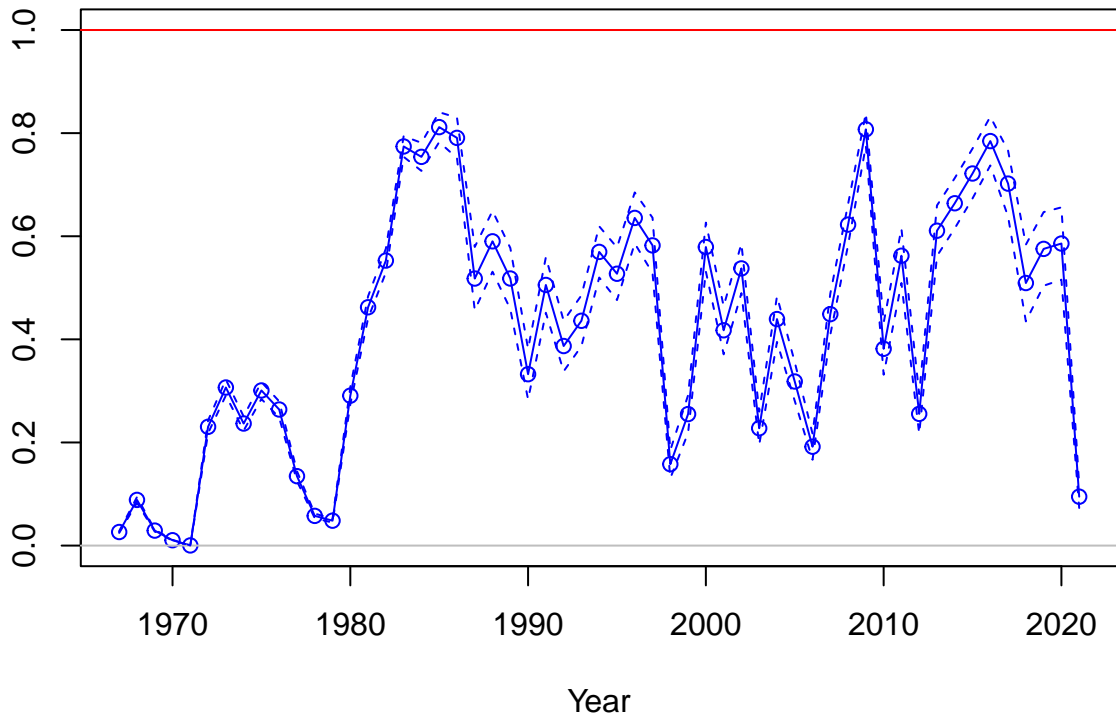


SPR

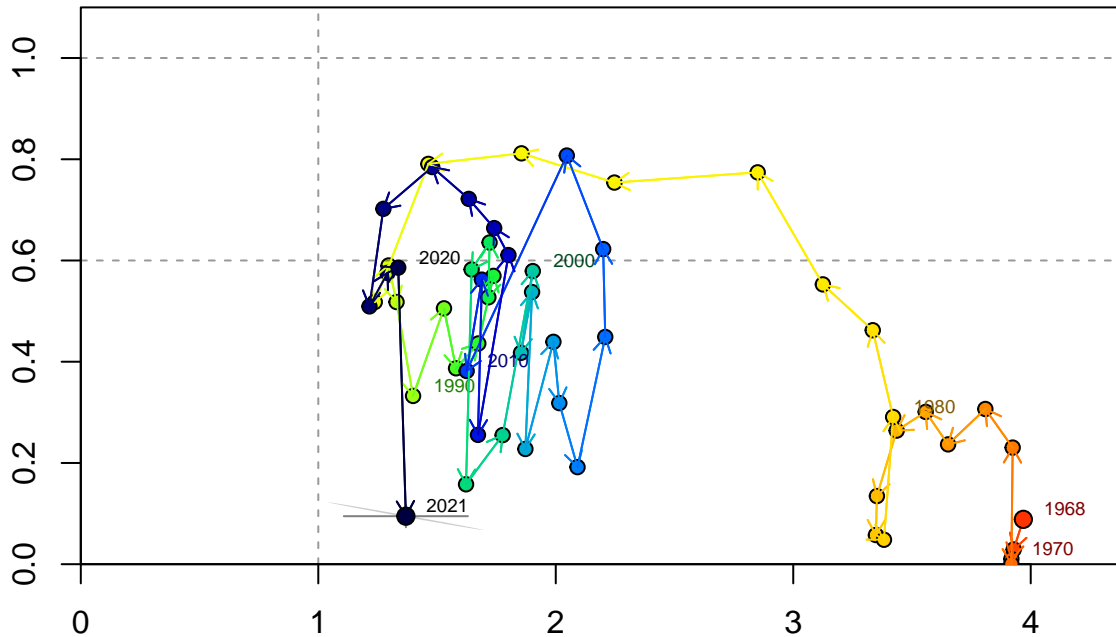




Fishing intensity: 1-SPR

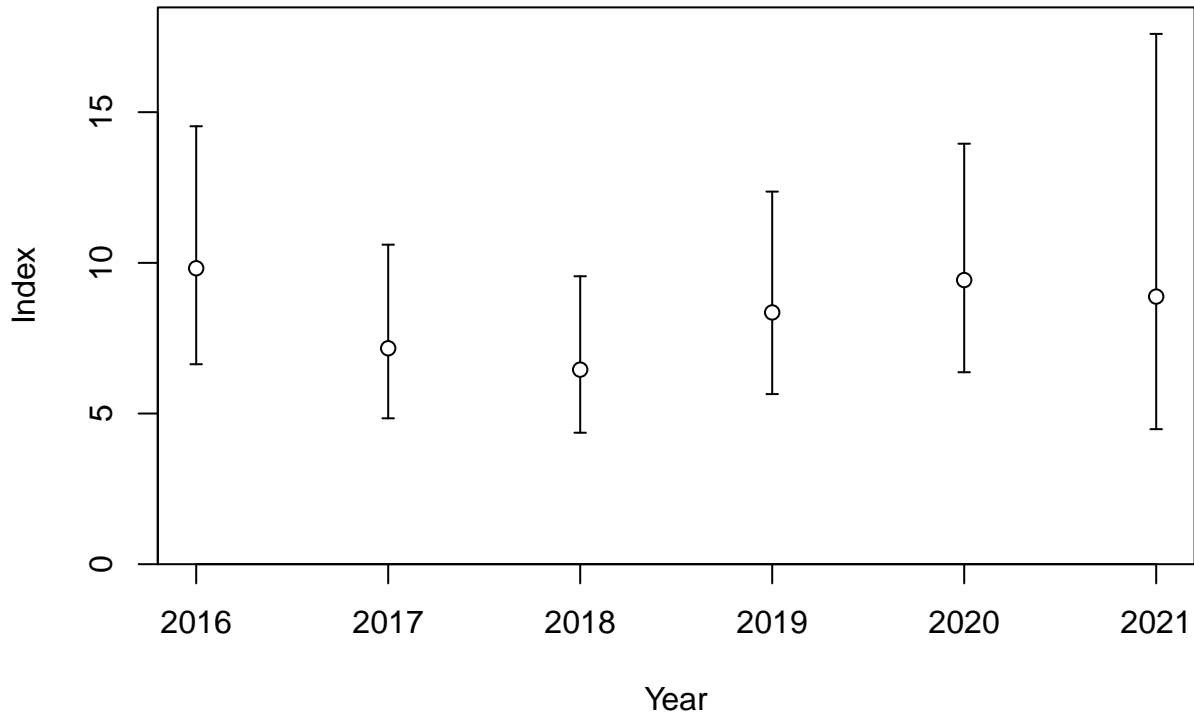


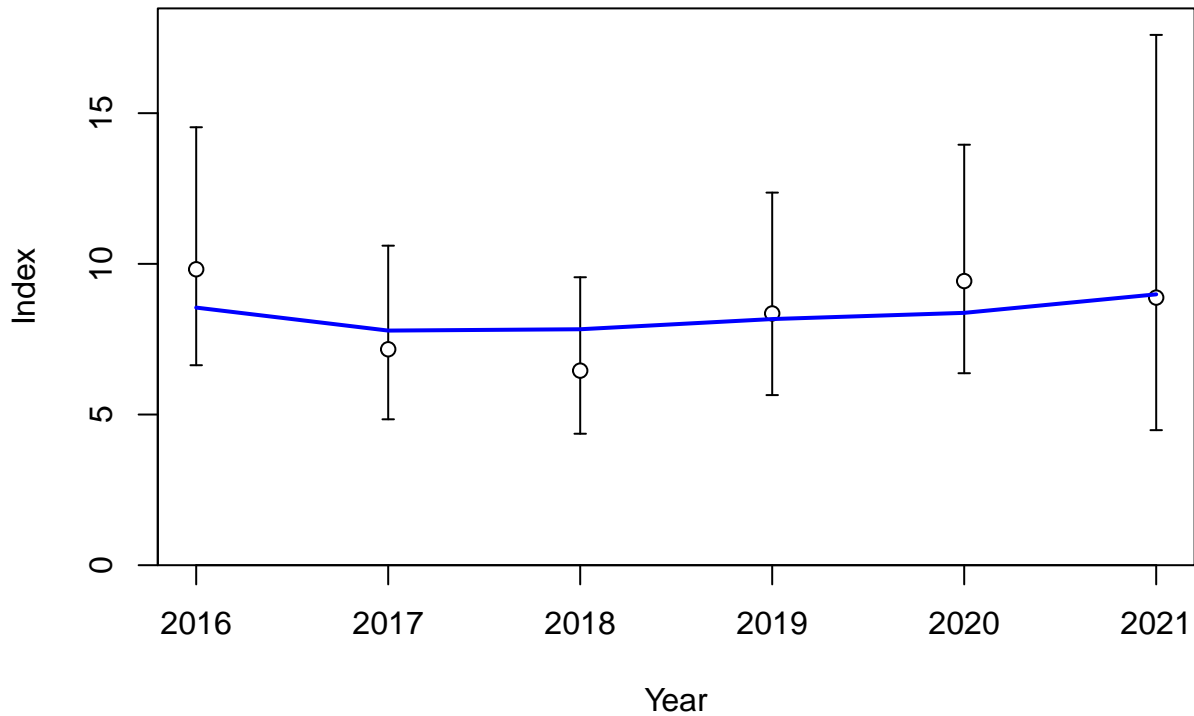
Fishing intensity: 1-SPR

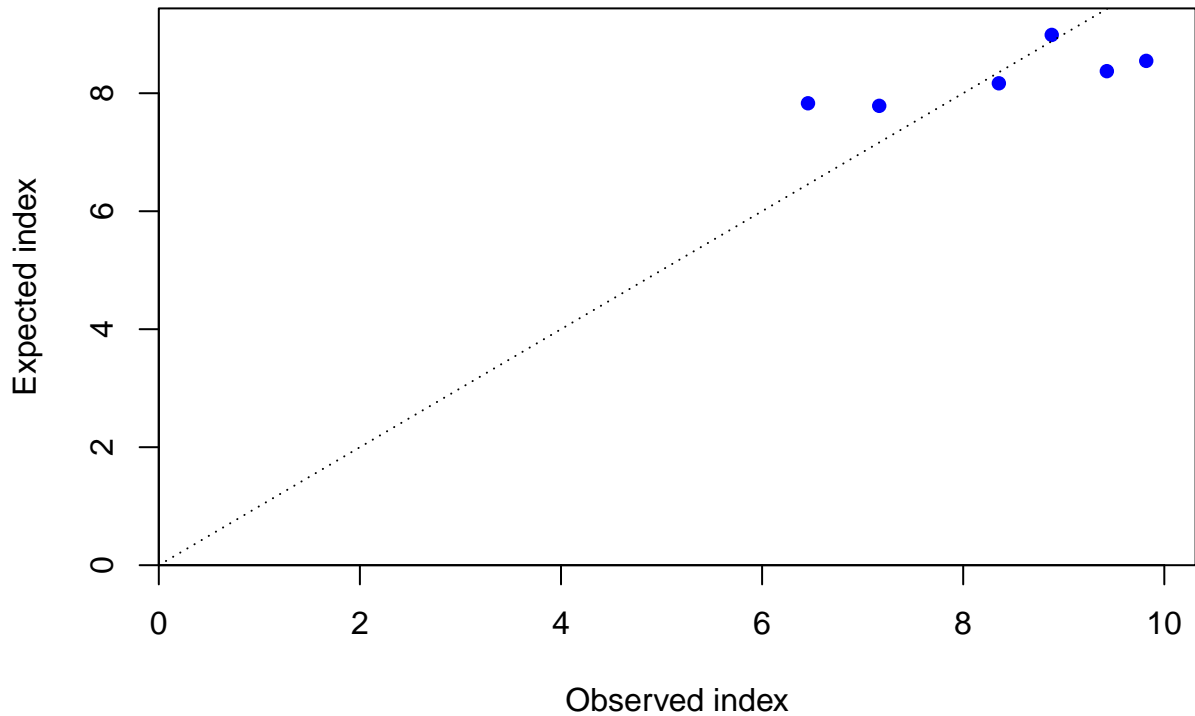


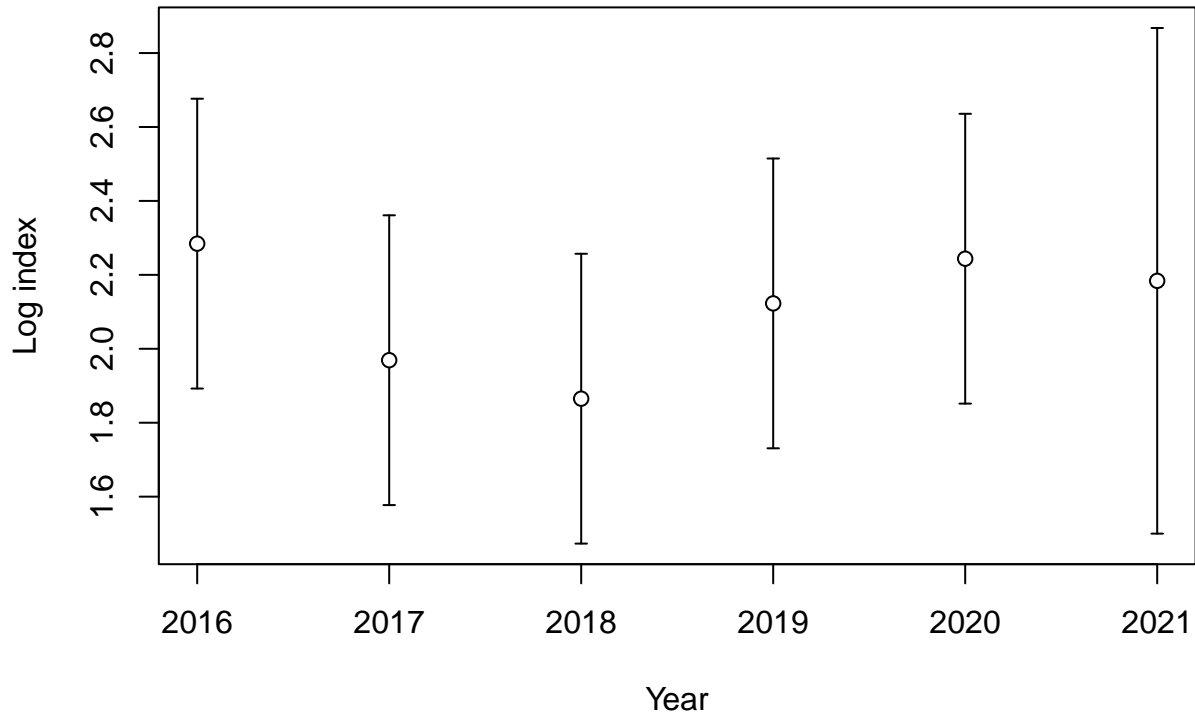
Relative spawning output:  $B/B_{MSY}$

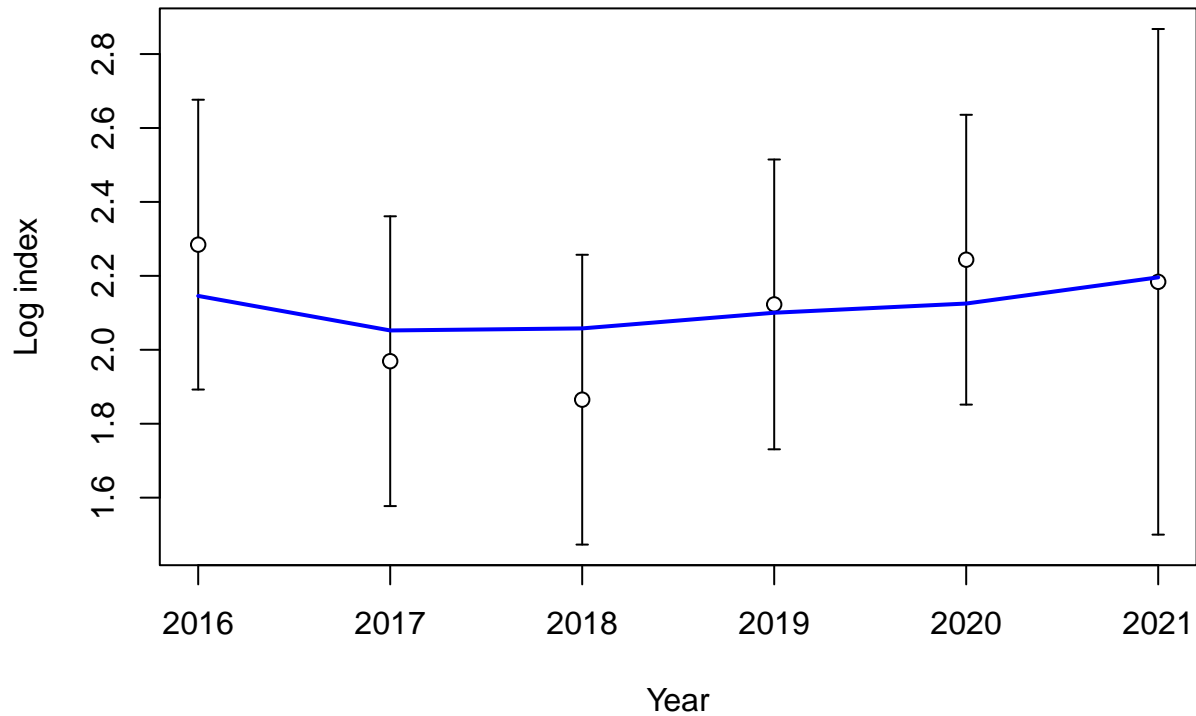


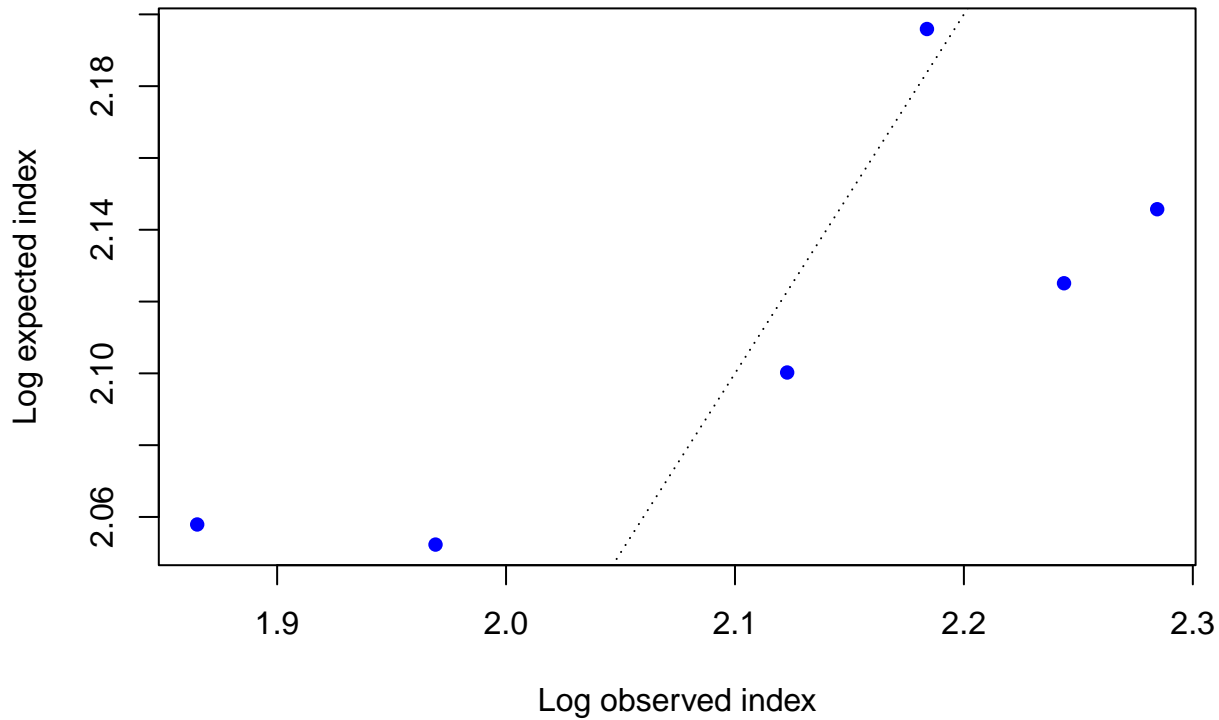


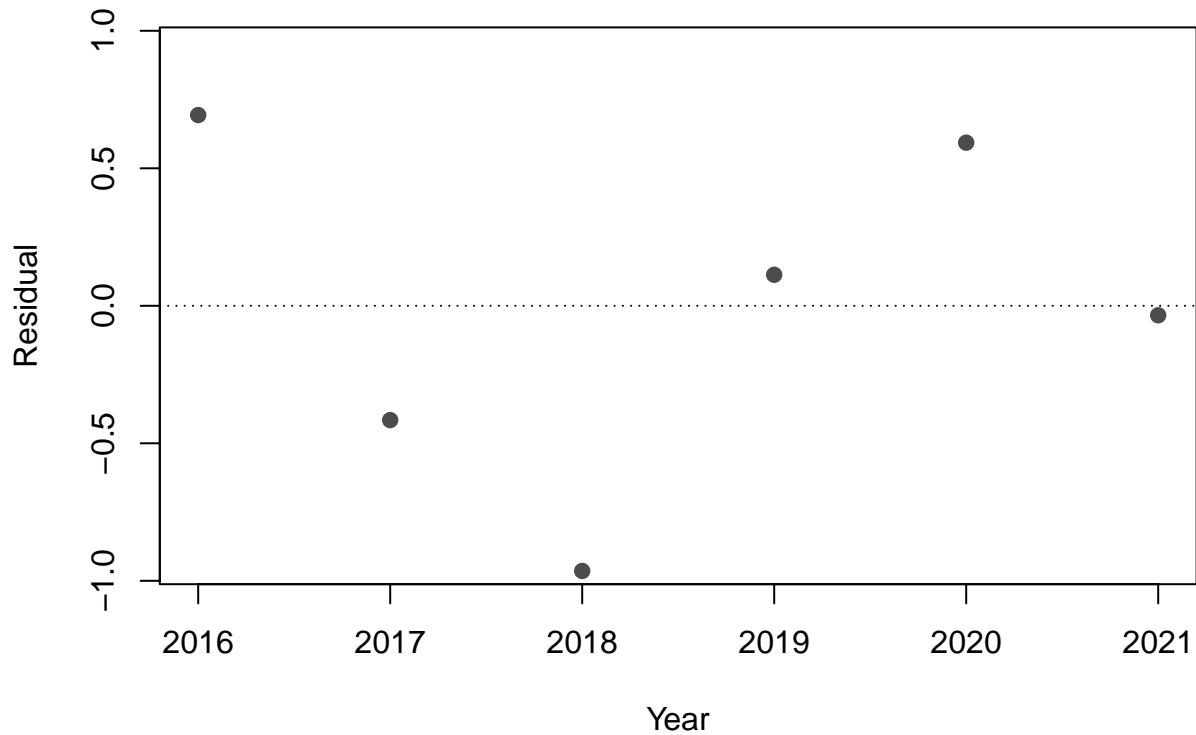


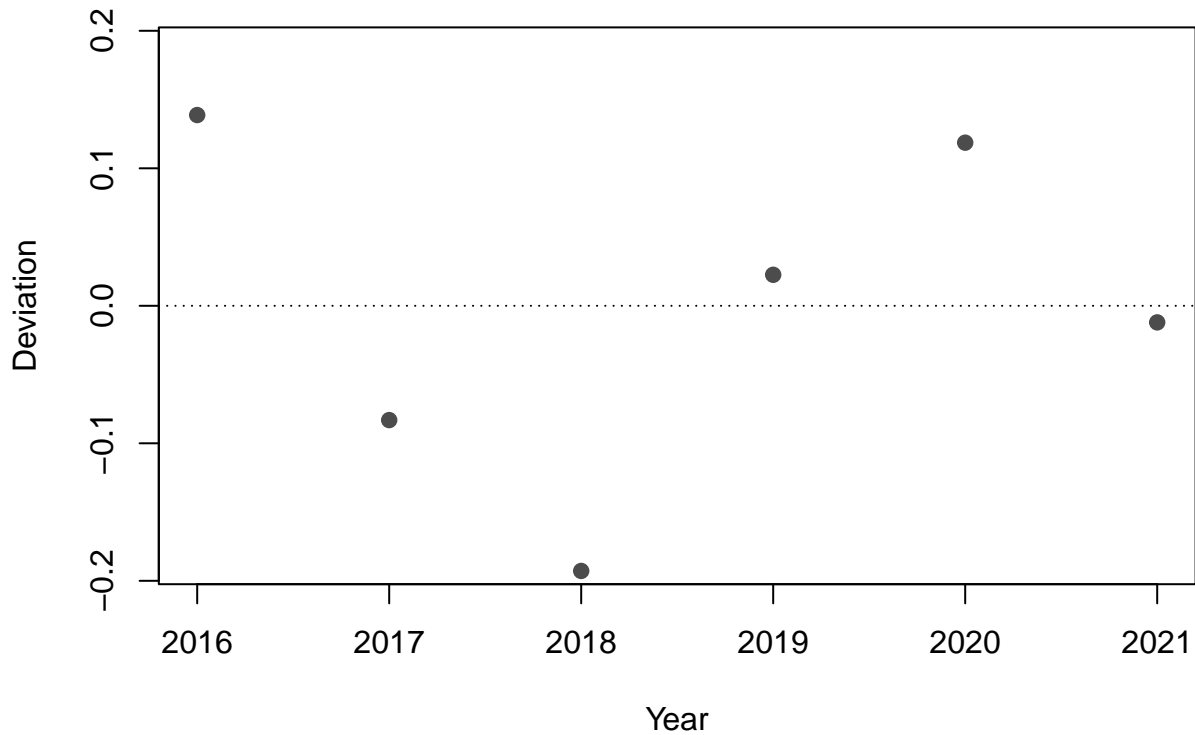




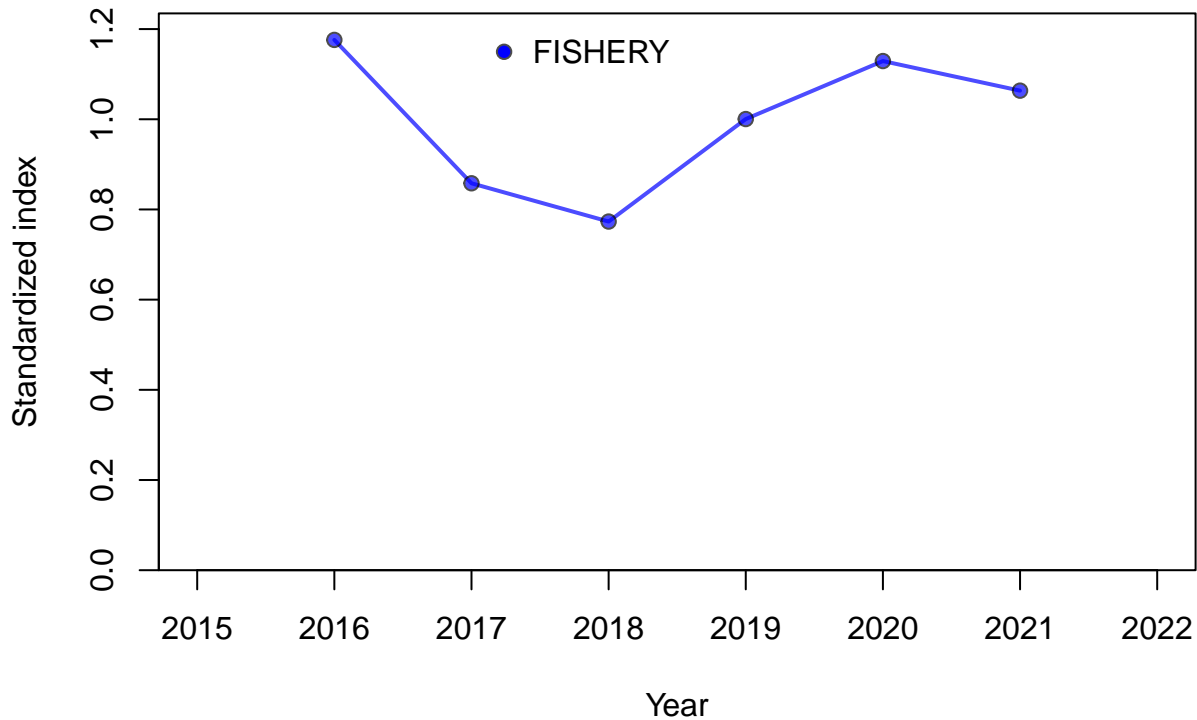


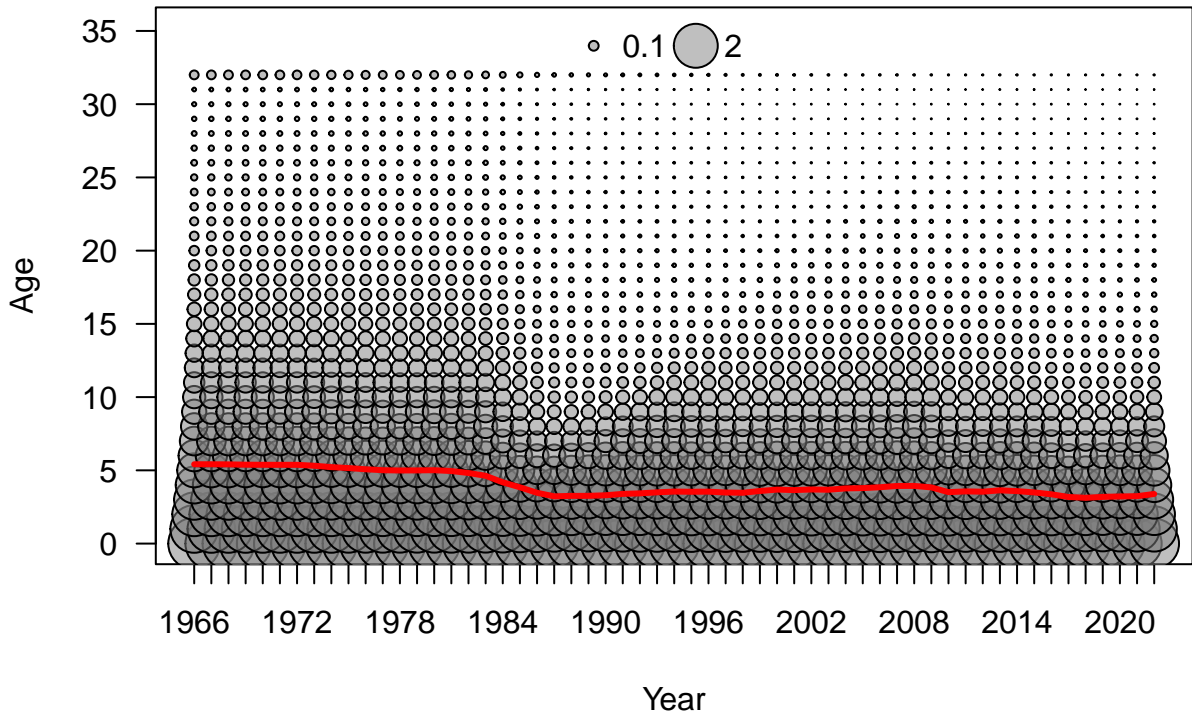


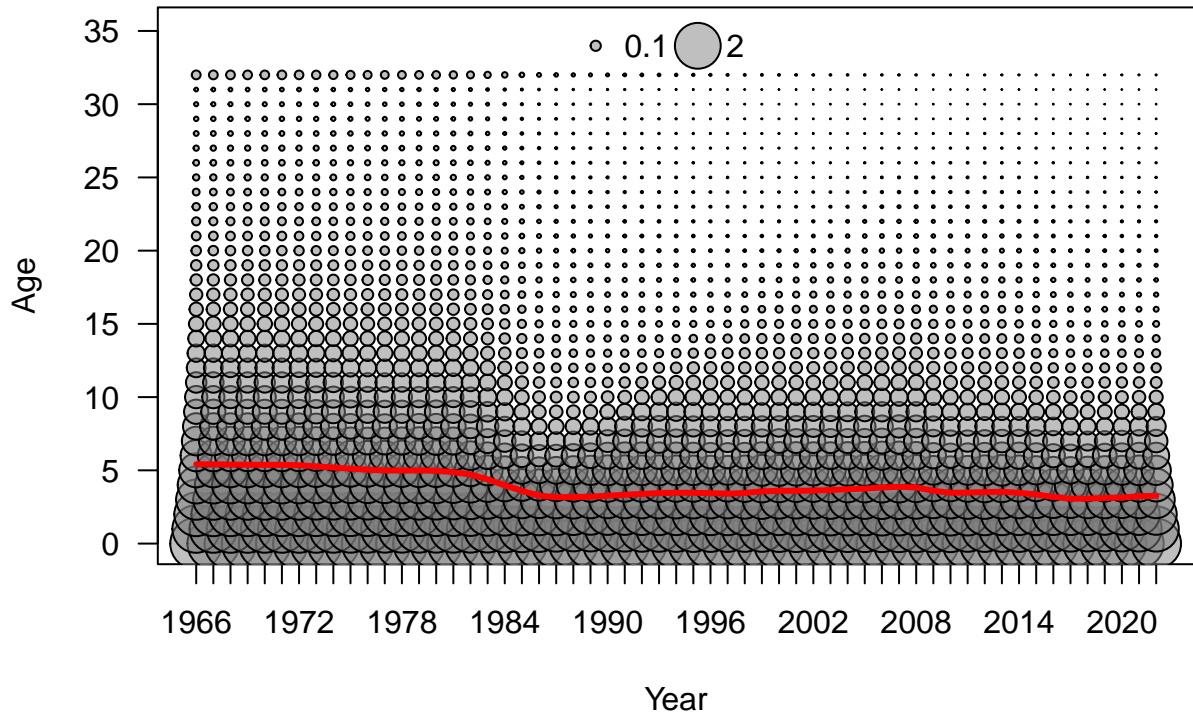


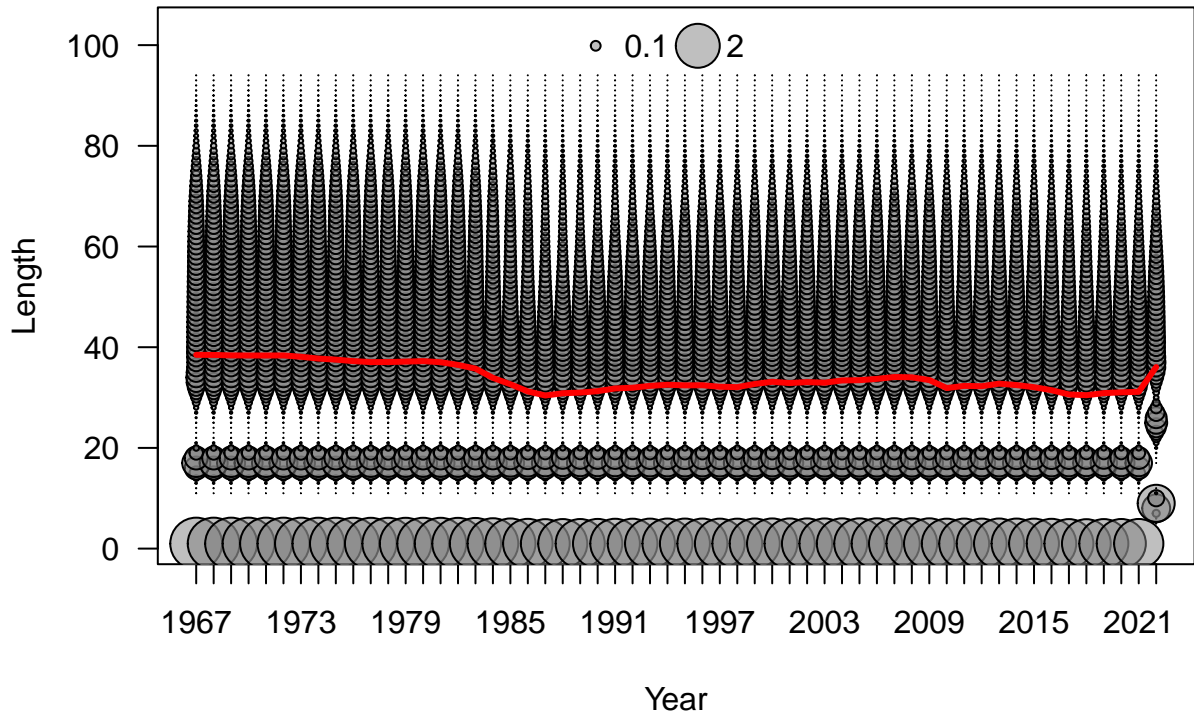


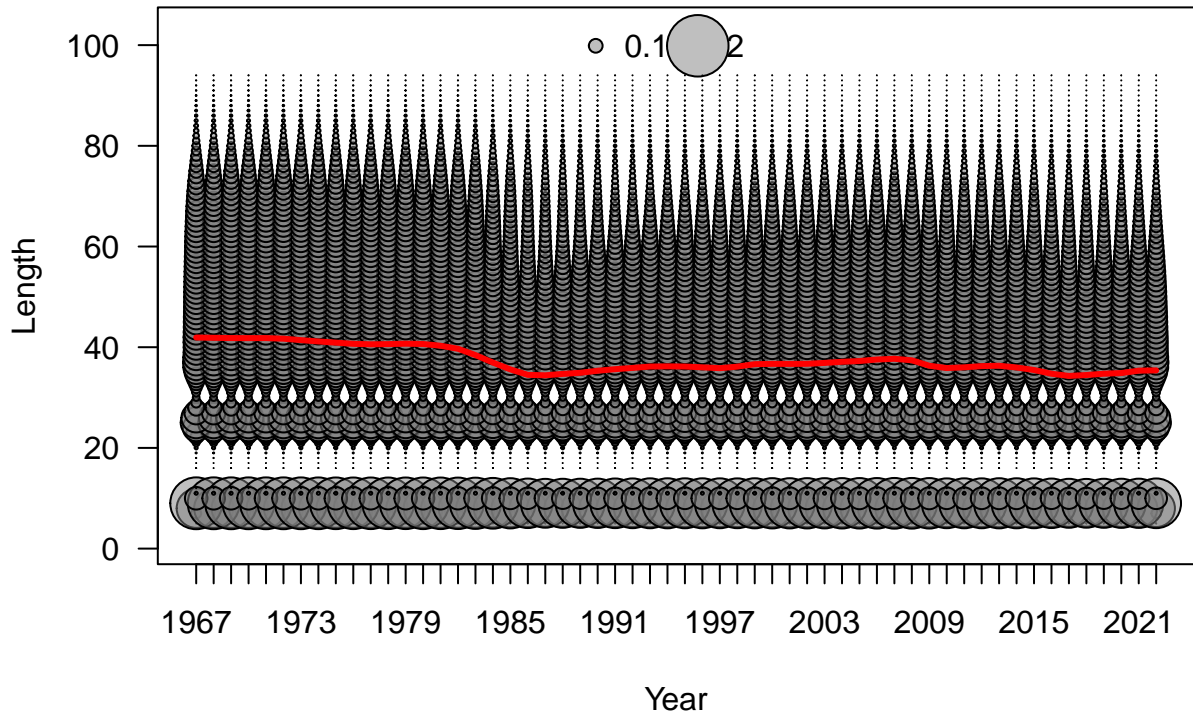


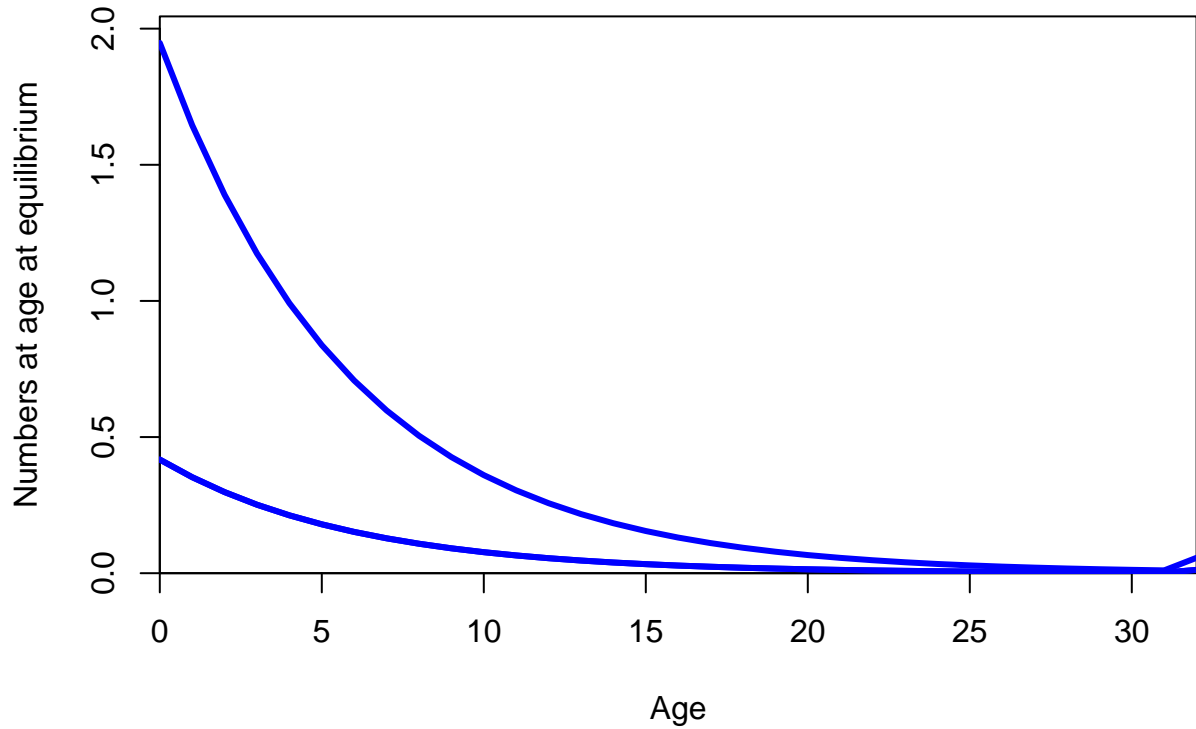






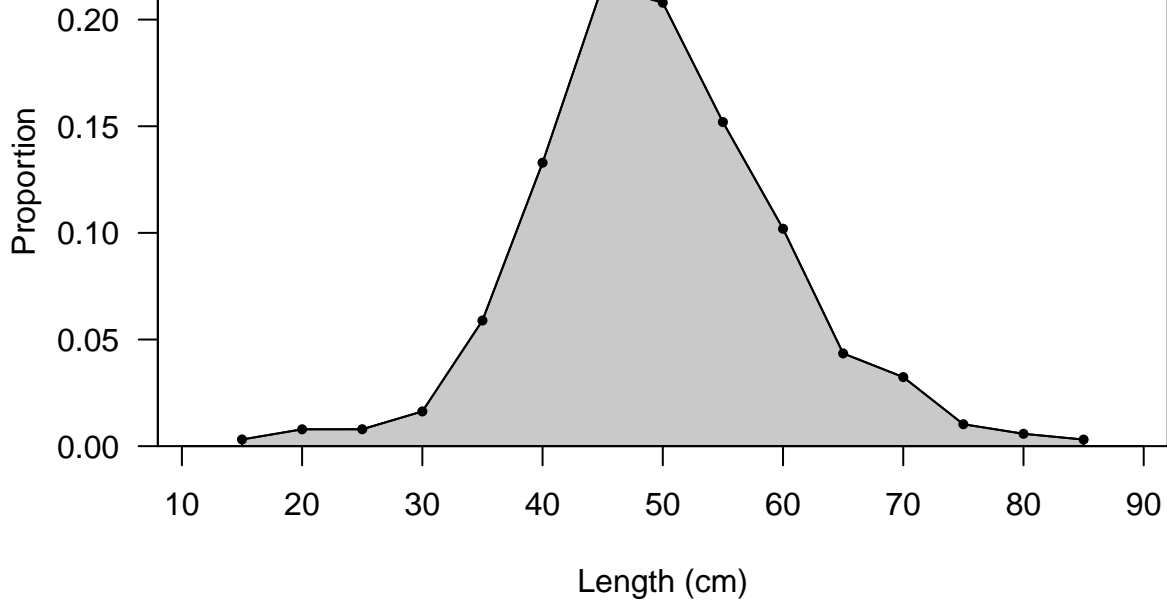


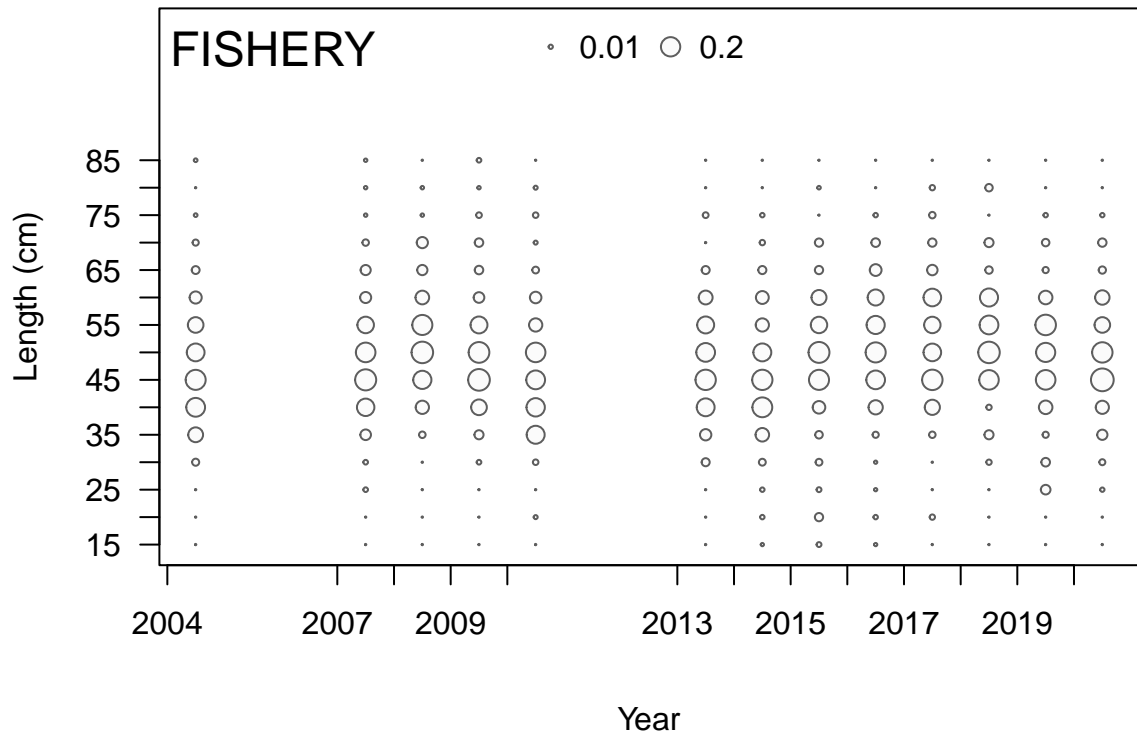




# FISHERY

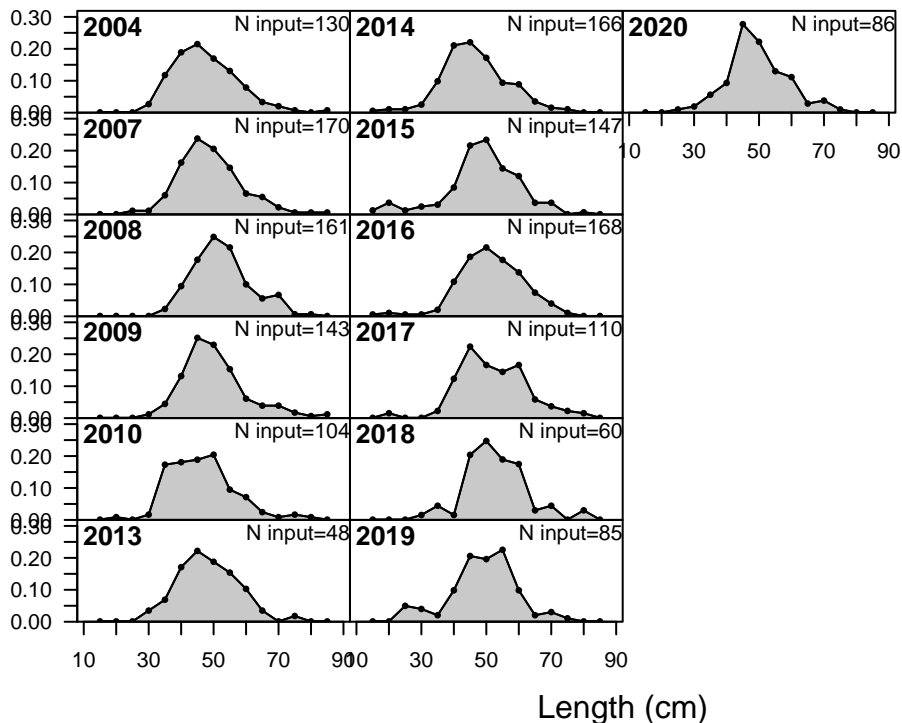
Sum of N input=1578

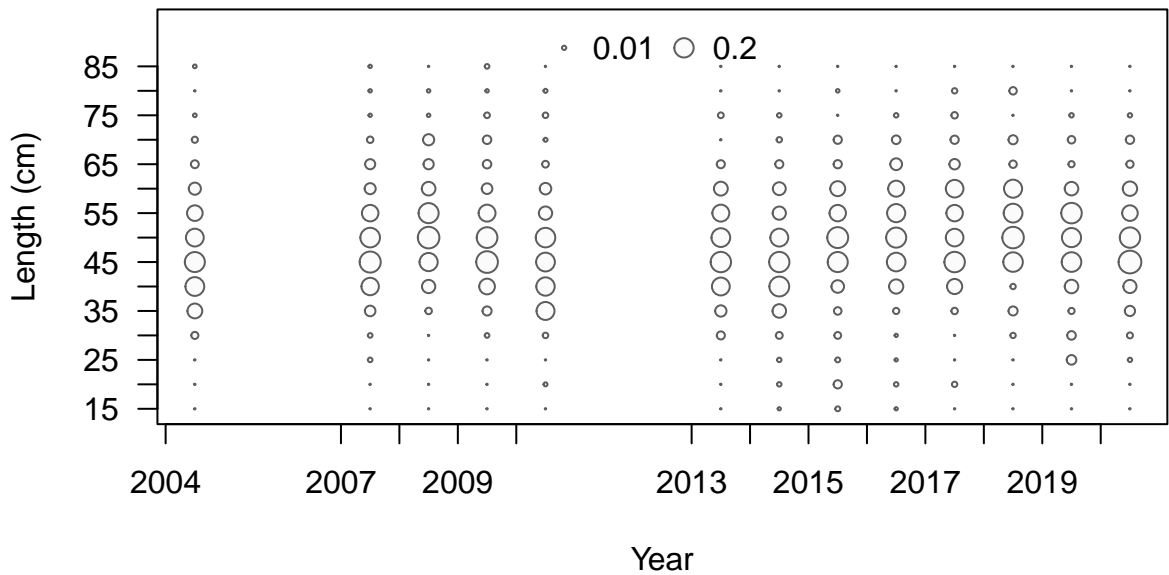




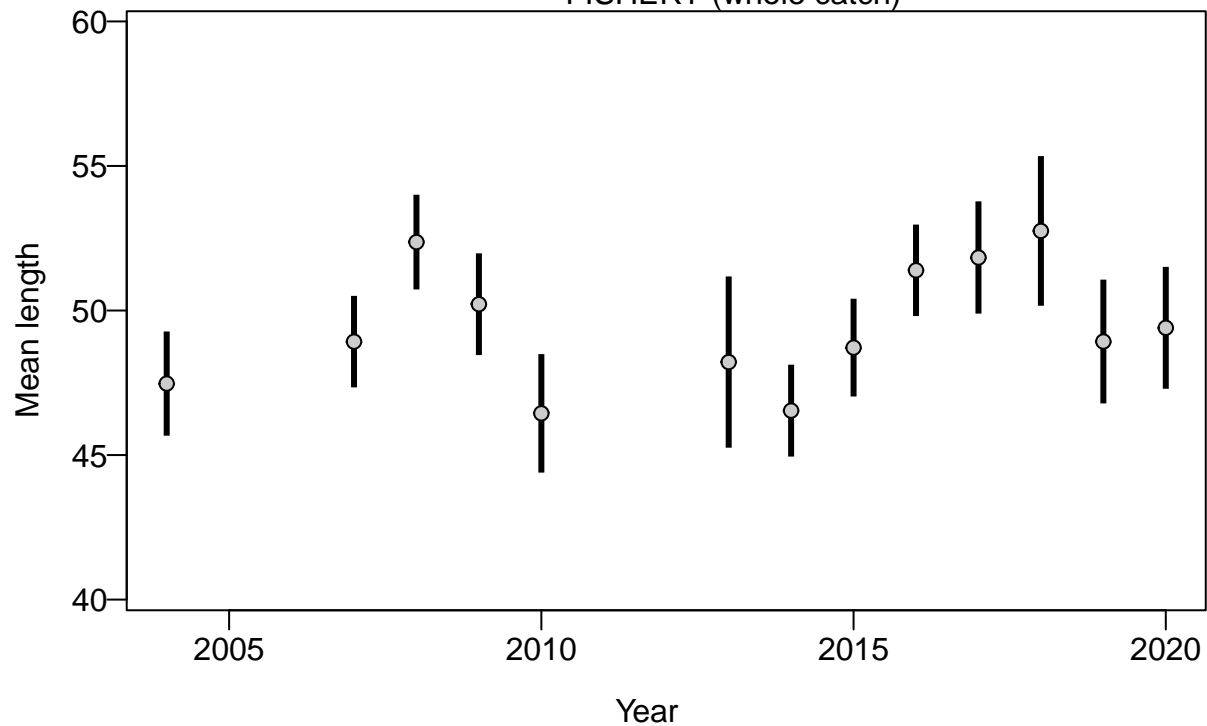


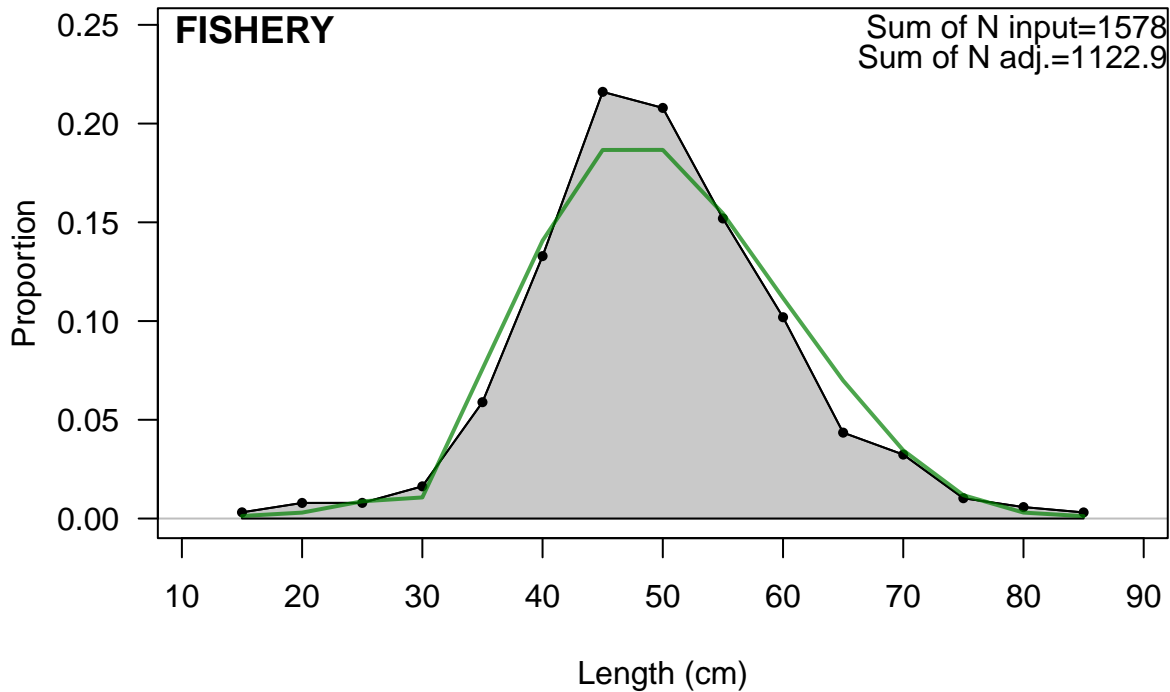
Proportion

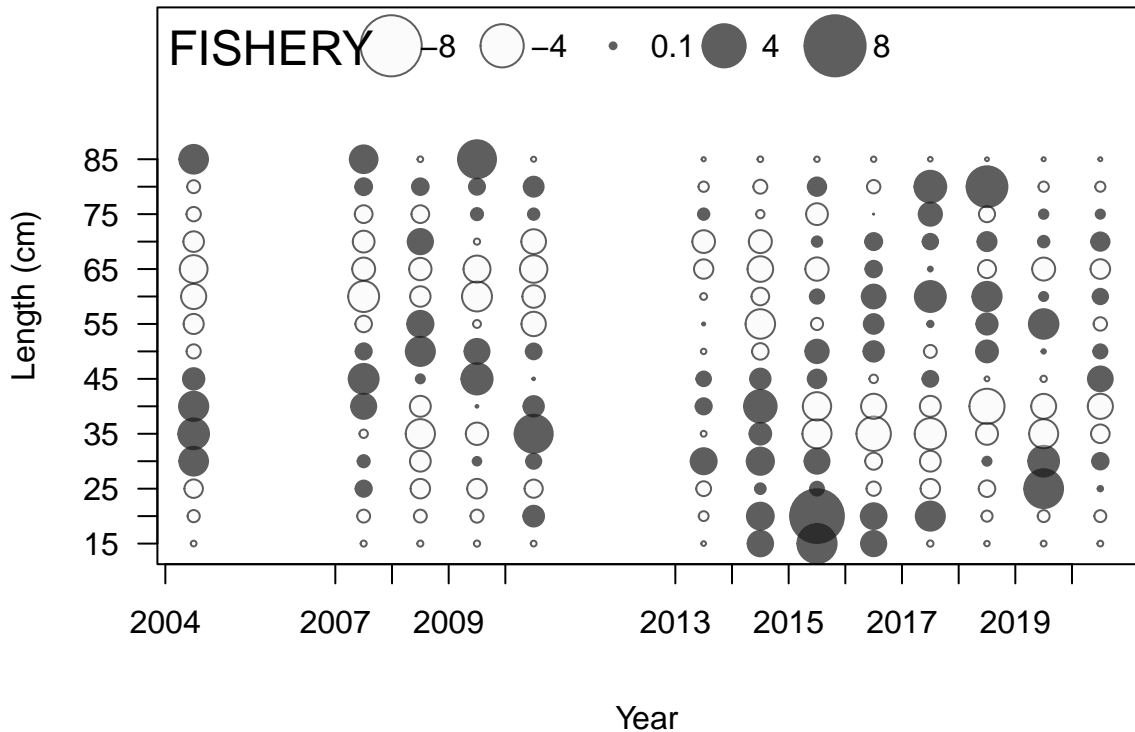


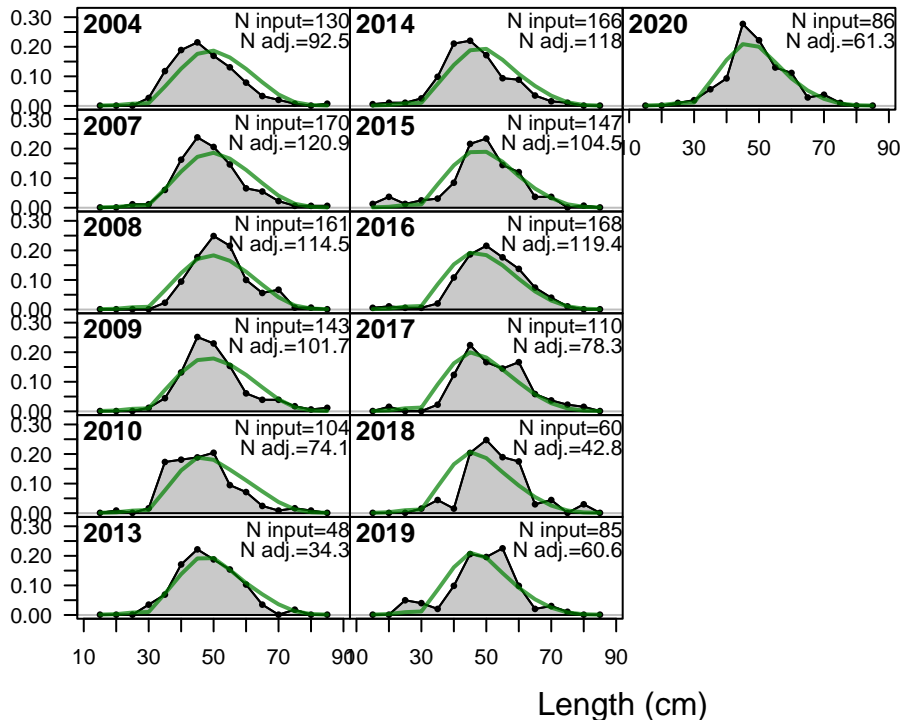


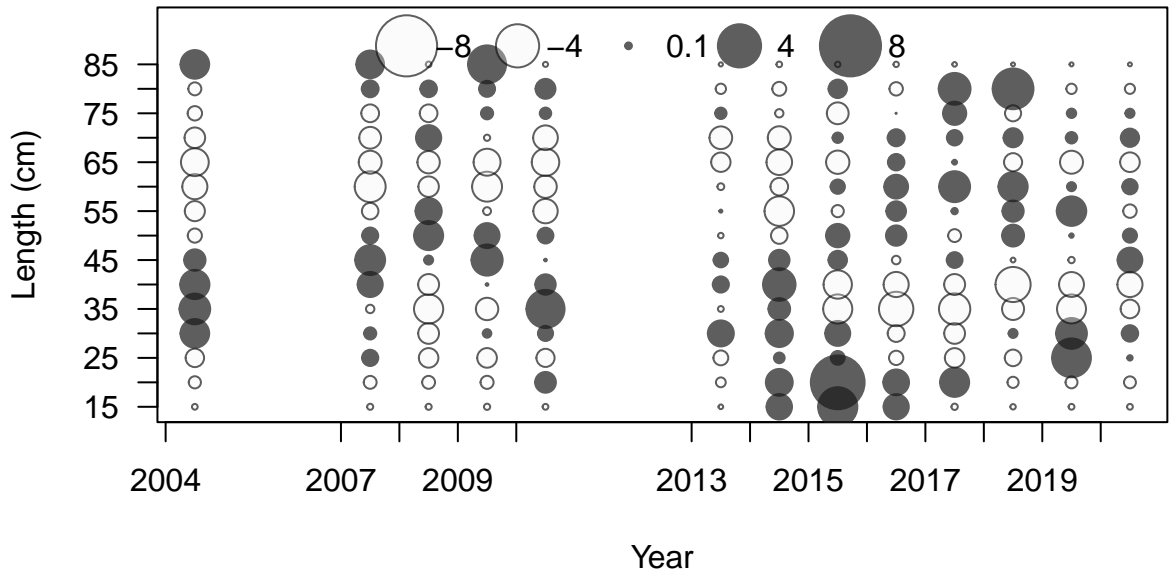
FISHERY (whole catch)



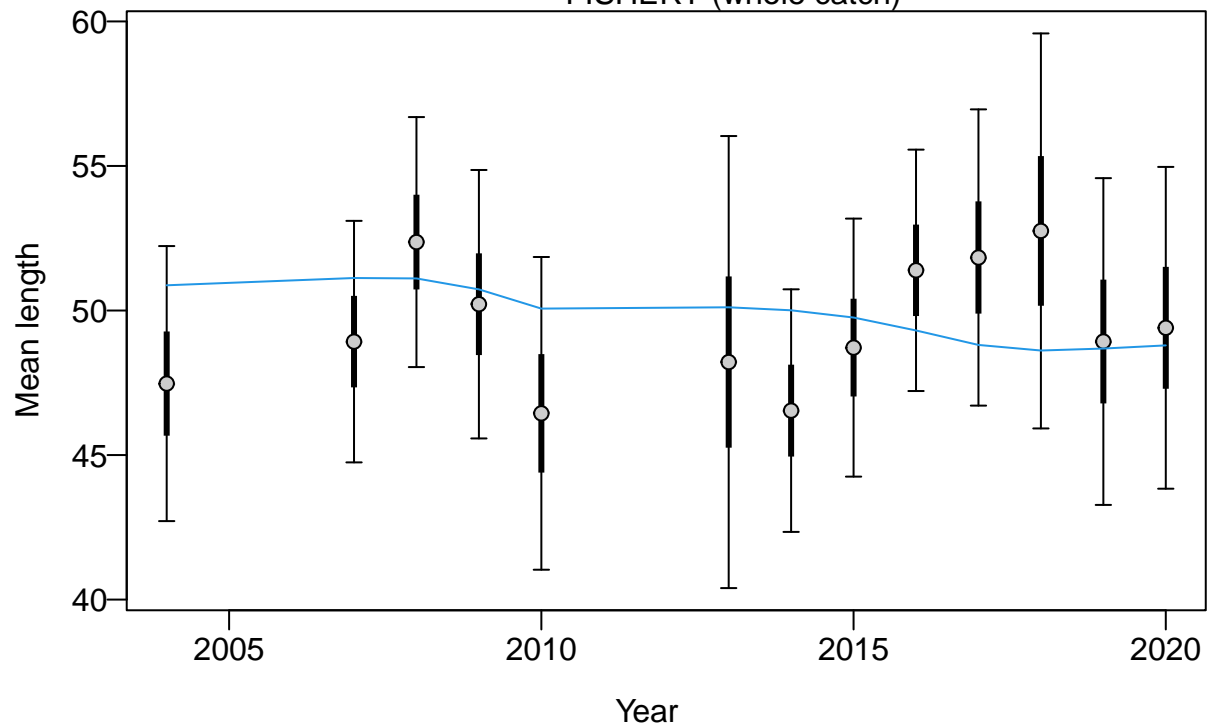




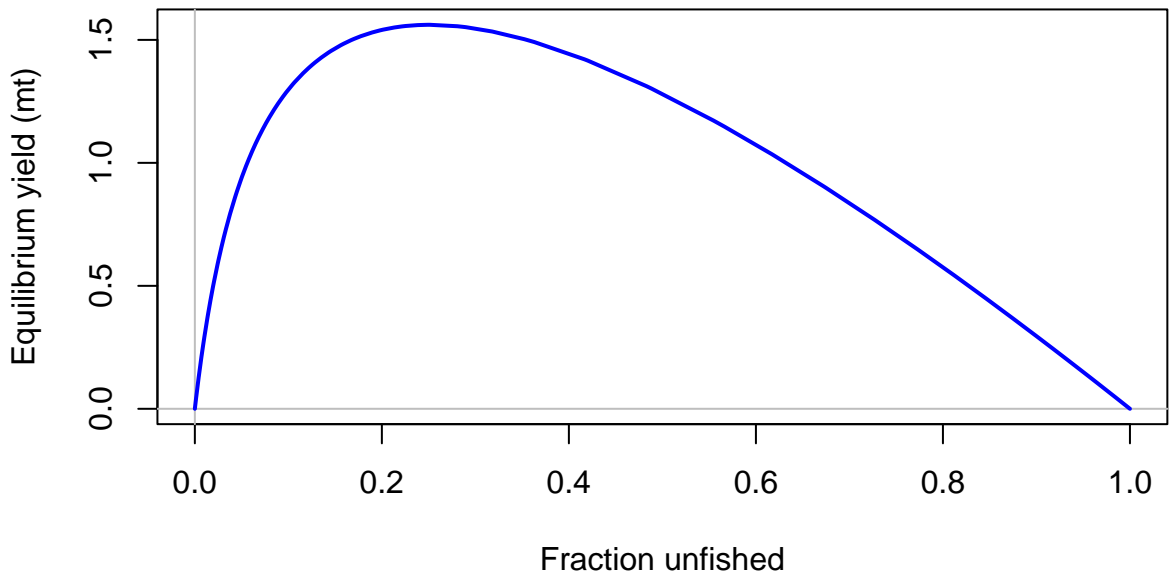


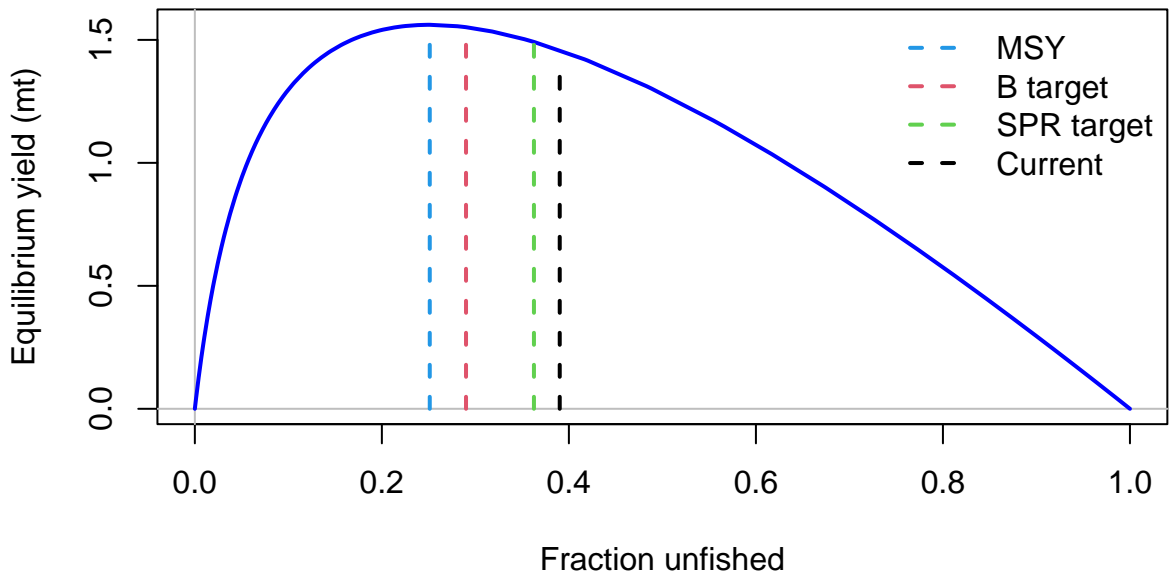


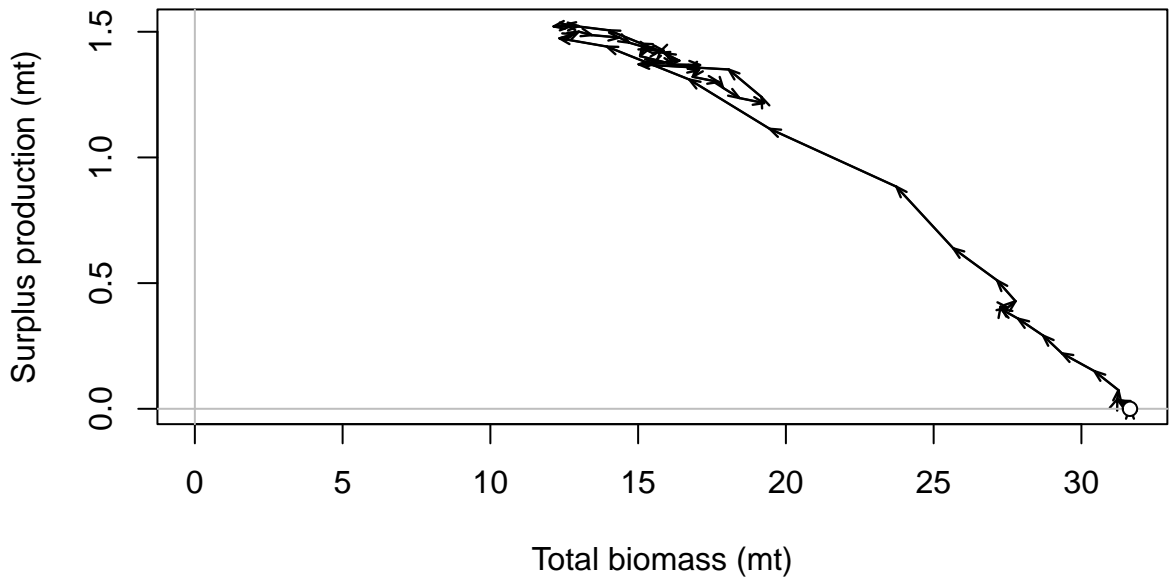
FISHERY (whole catch)

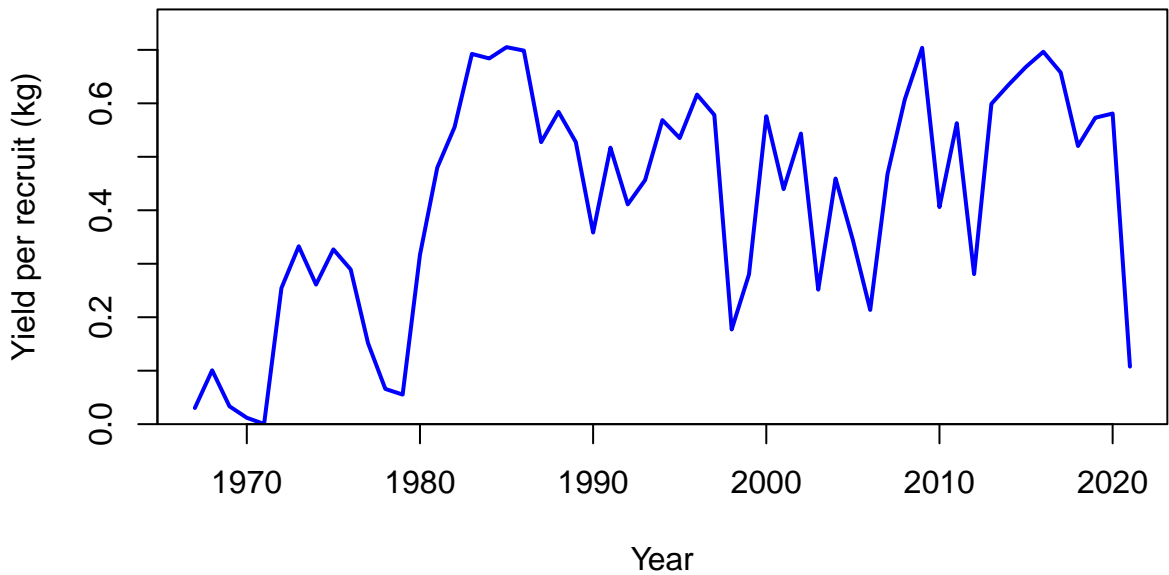


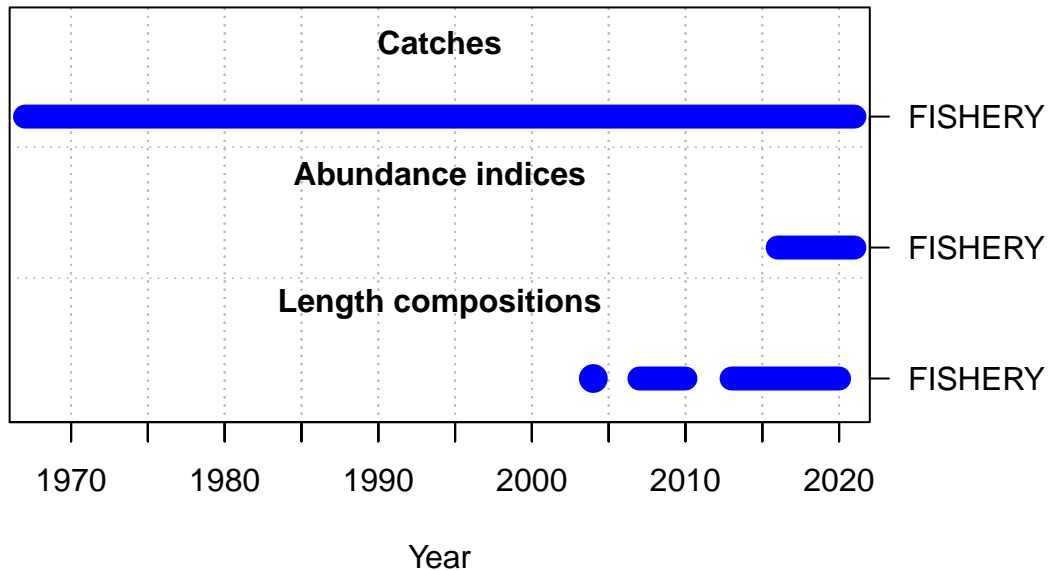


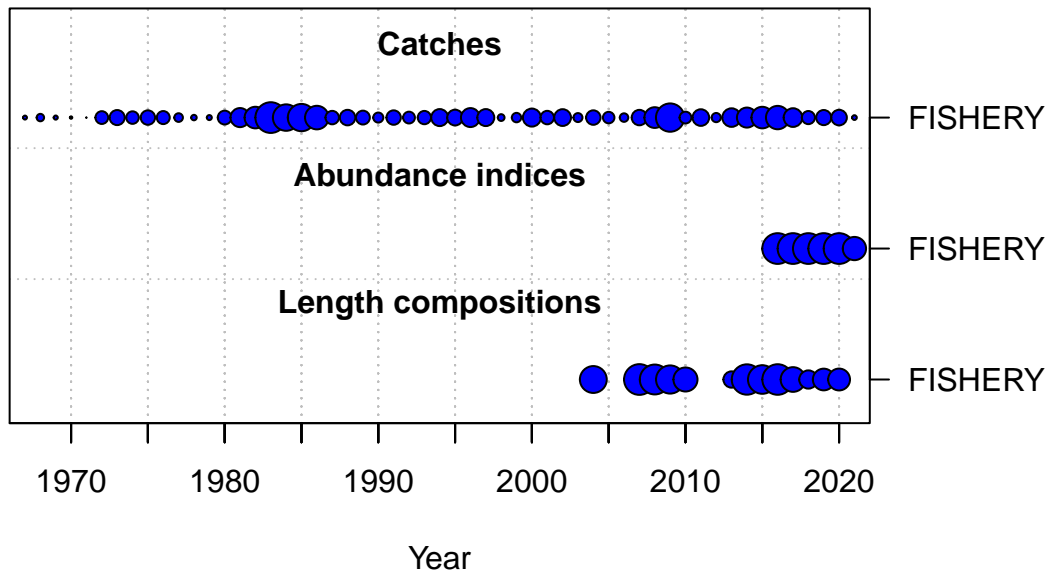






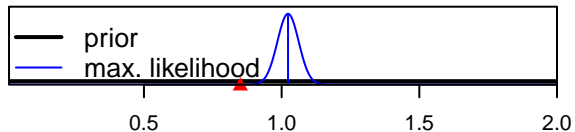




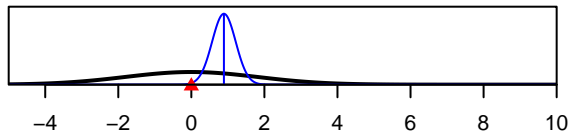


Density

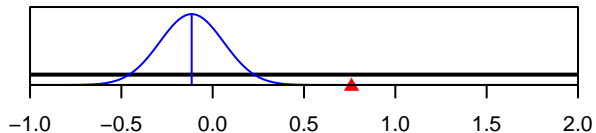
**SR\_LN(R0)**



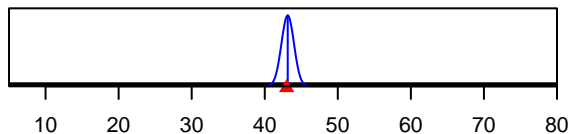
**ln(DM\_theta)\_1**



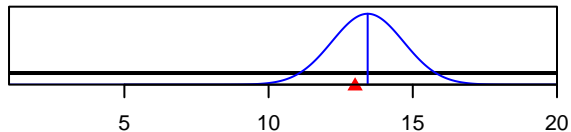
**LnQ\_base\_FISHERY(1)**



**Size\_inflection\_FISHERY(1)**



**Size\_95%width\_FISHERY(1)**



Parameter value