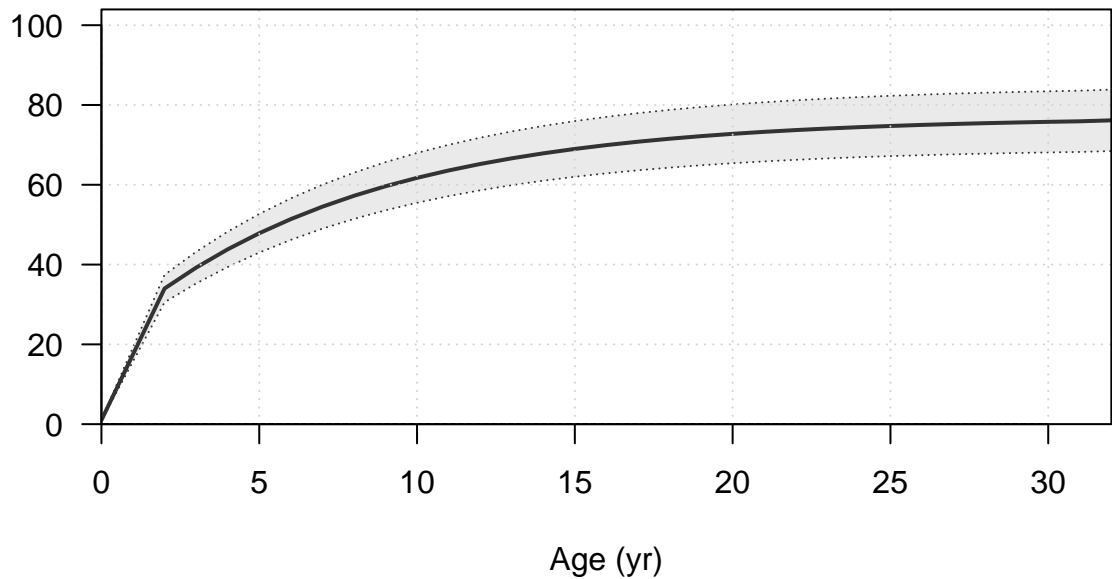
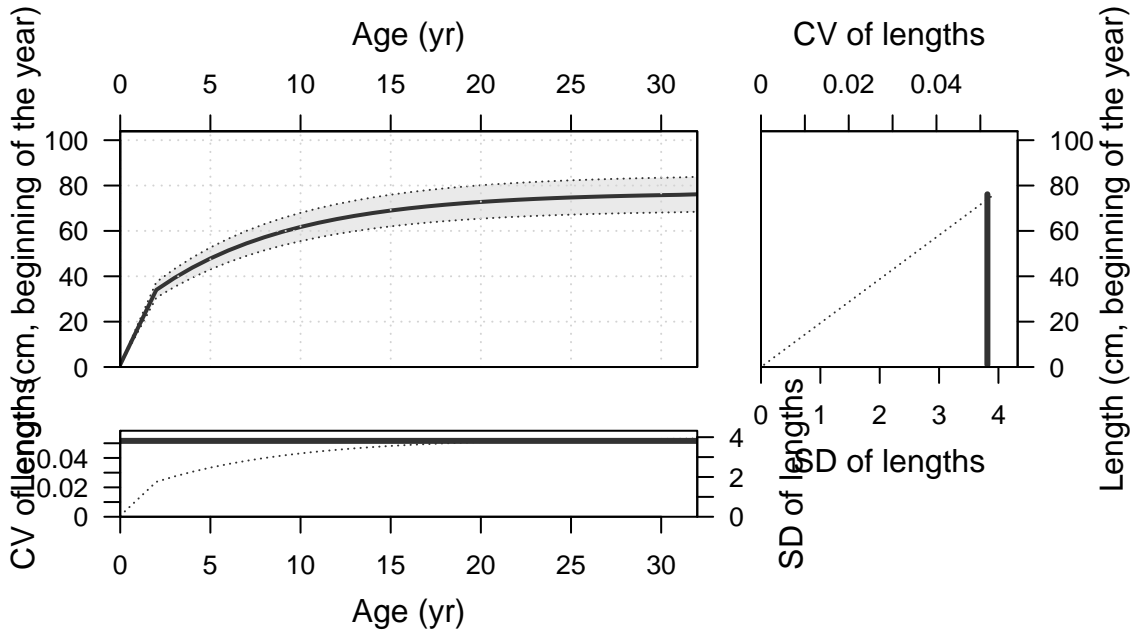
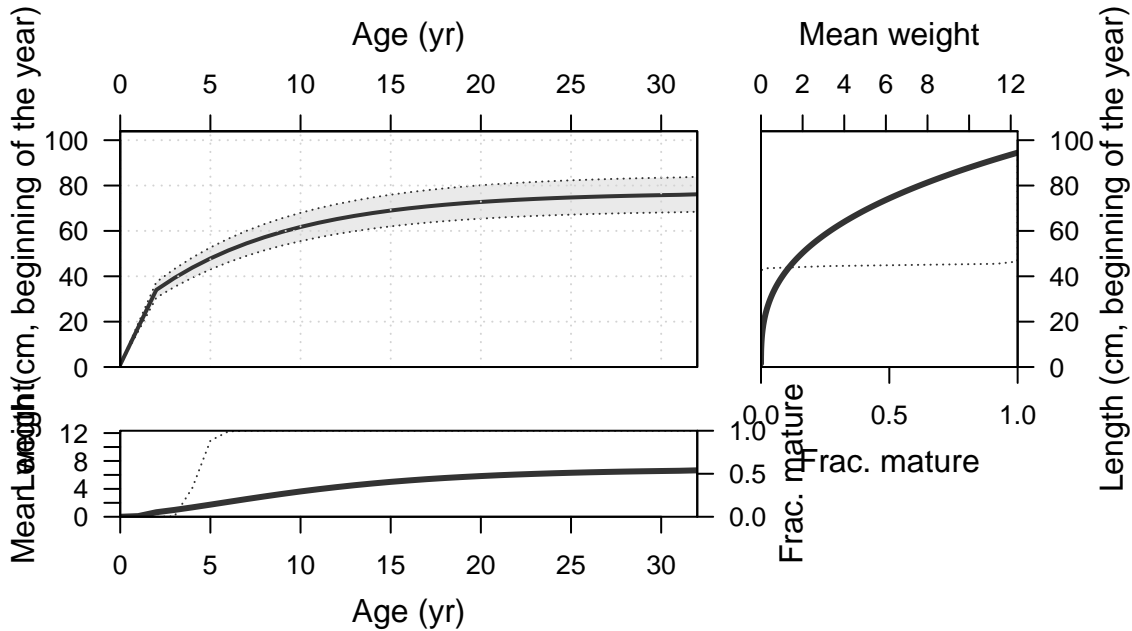


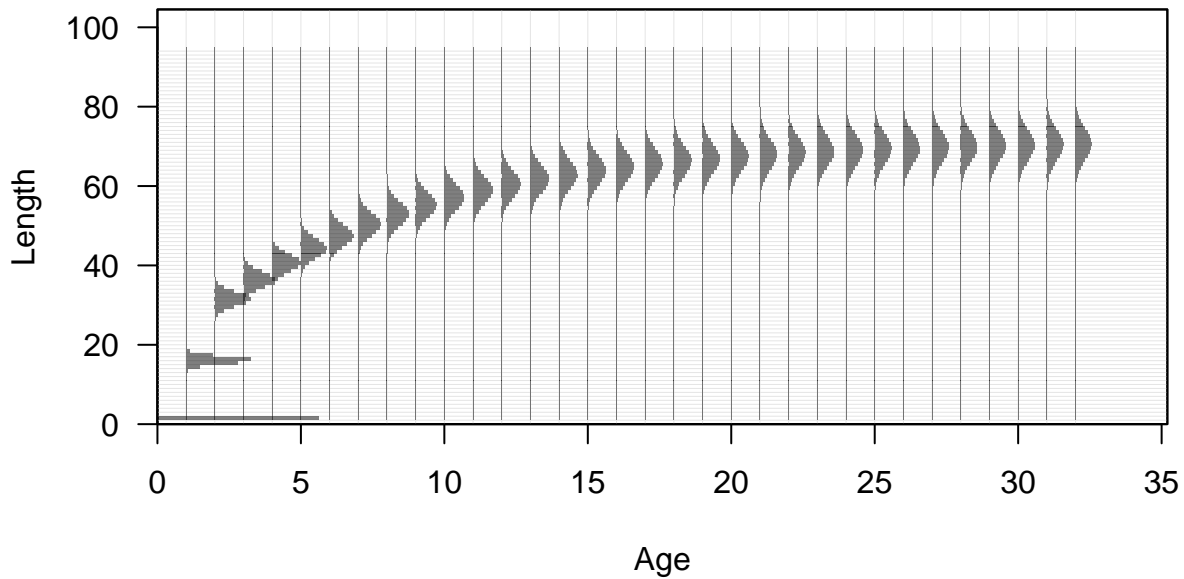
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Sun Feb 19 14:52:06 2023  
Data\_File: data.ss  
Control\_File: control.ss

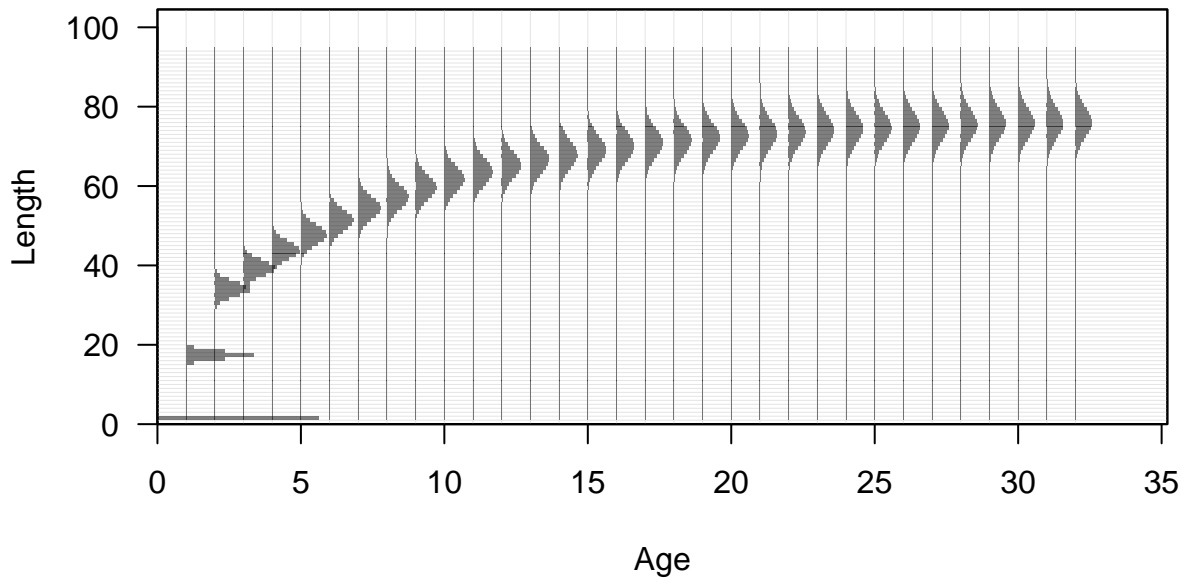
Length (cm, beginning of the year)

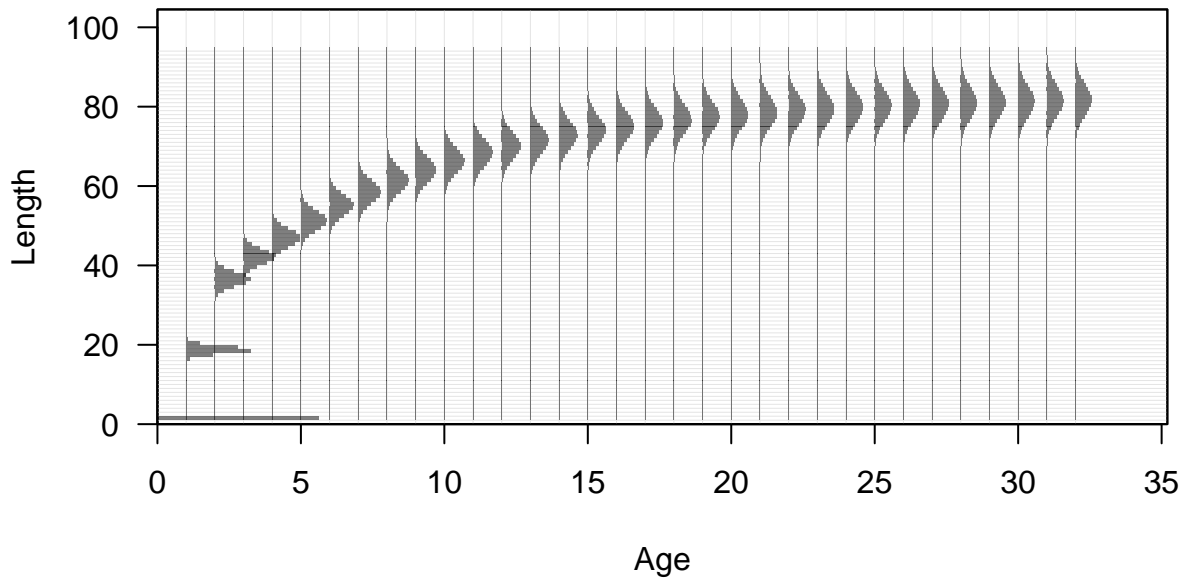


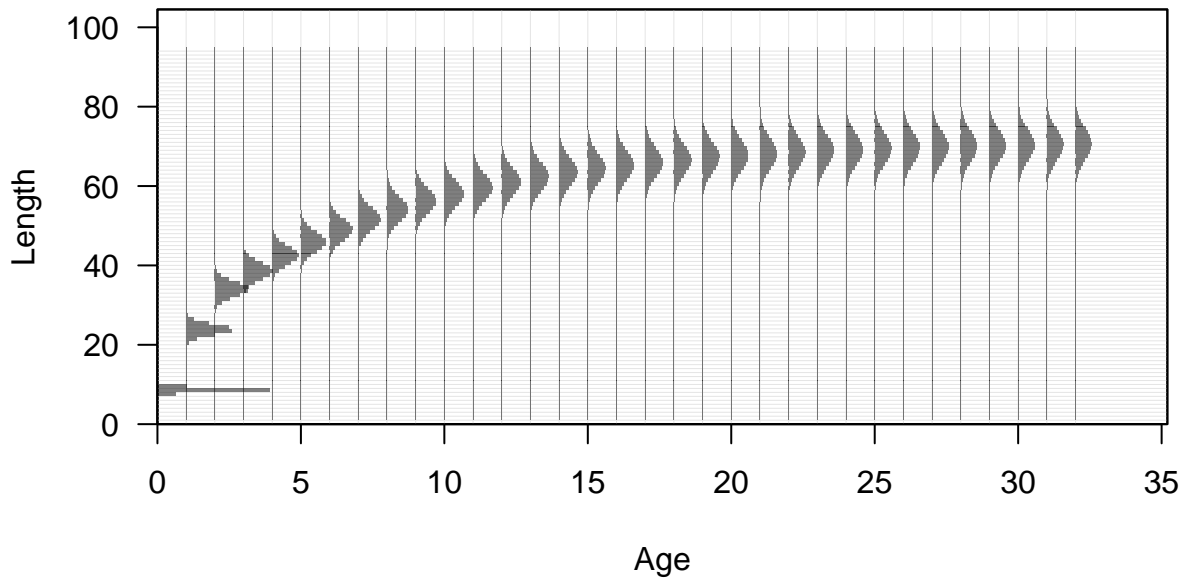




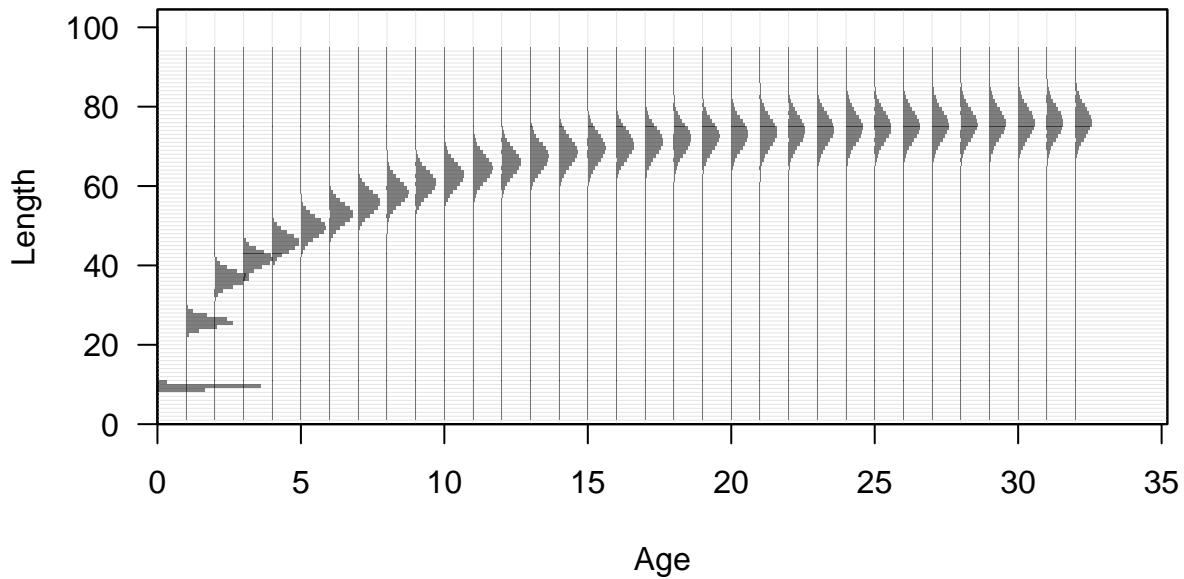


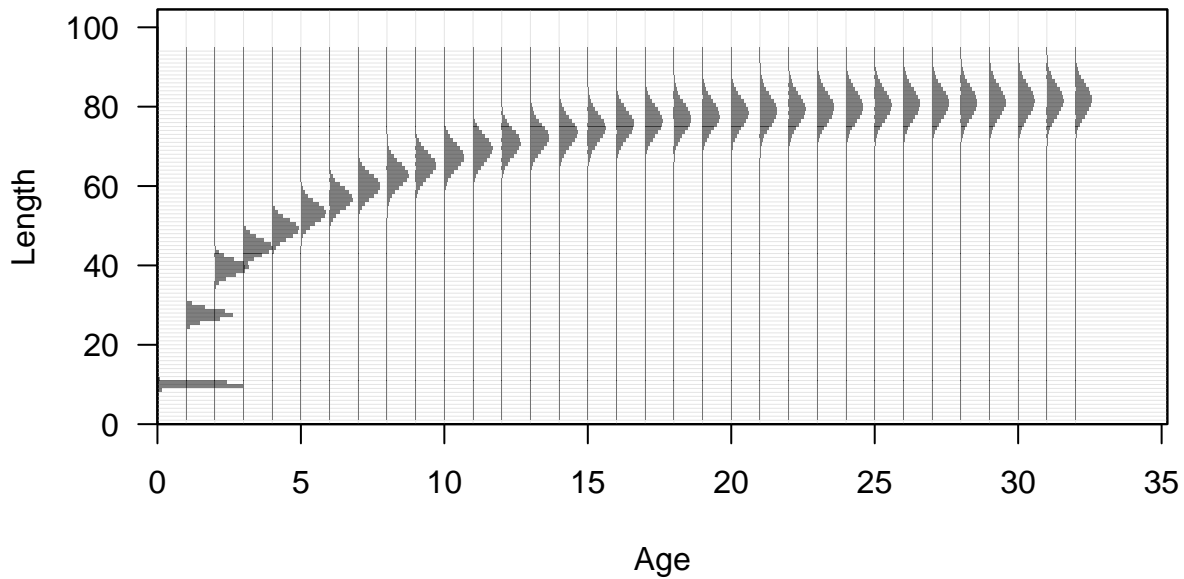


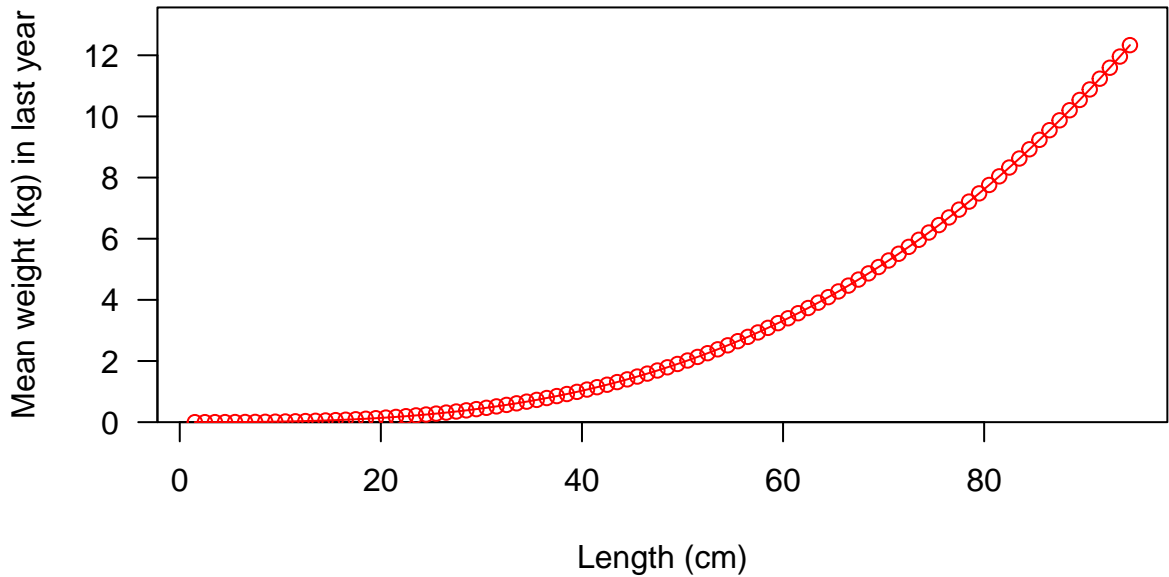


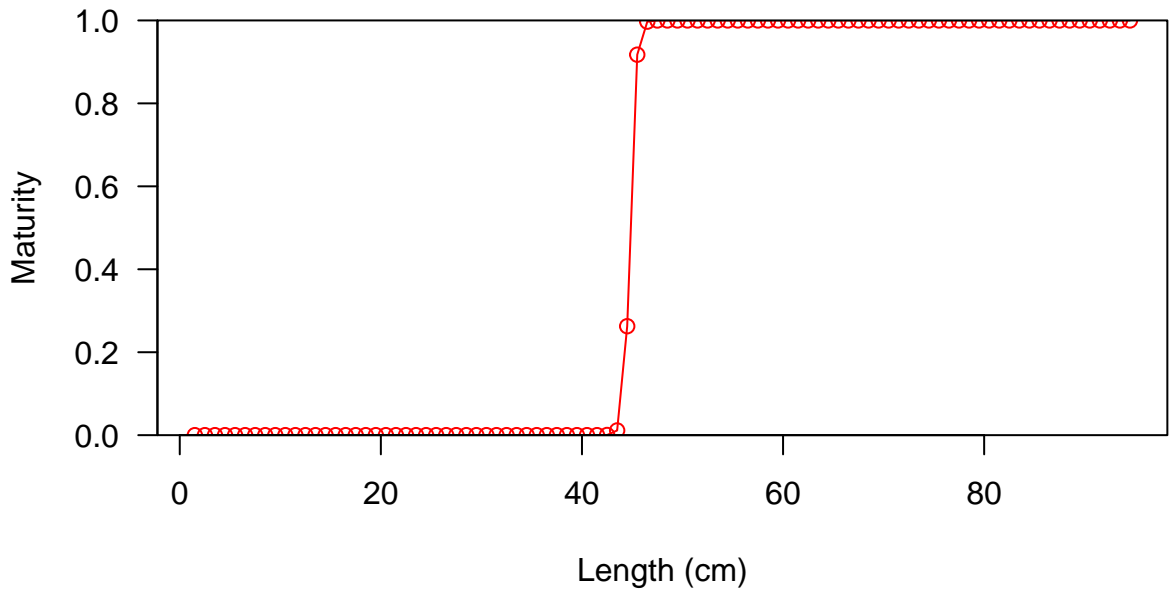


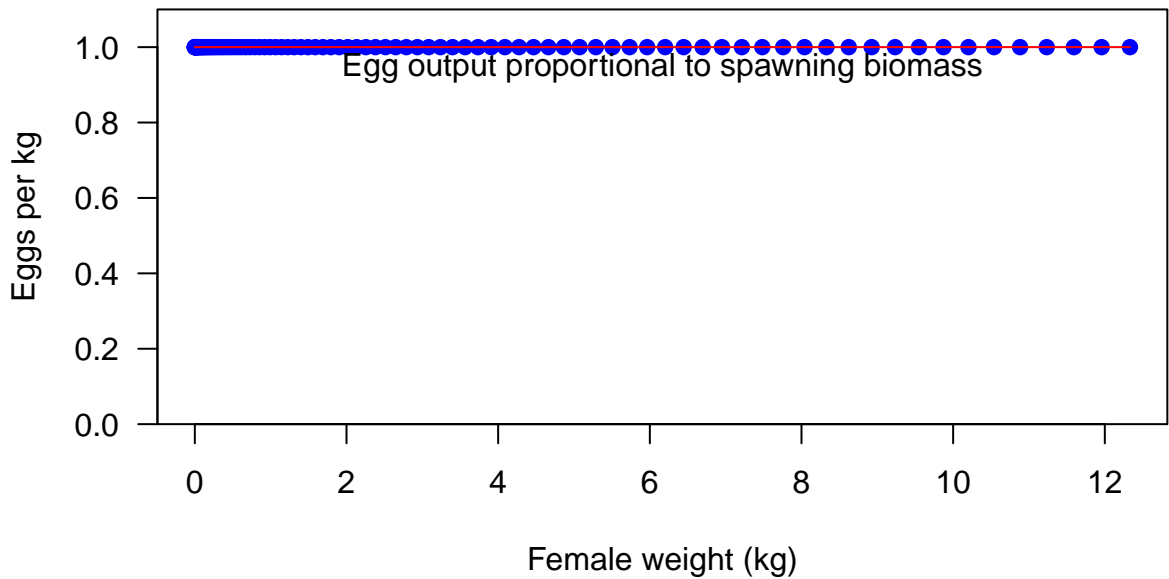




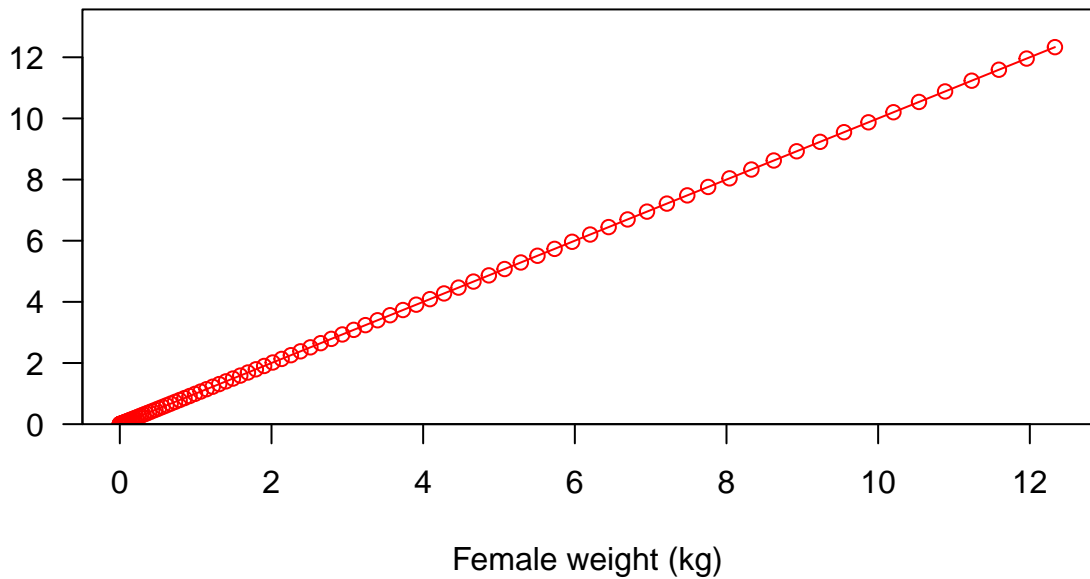




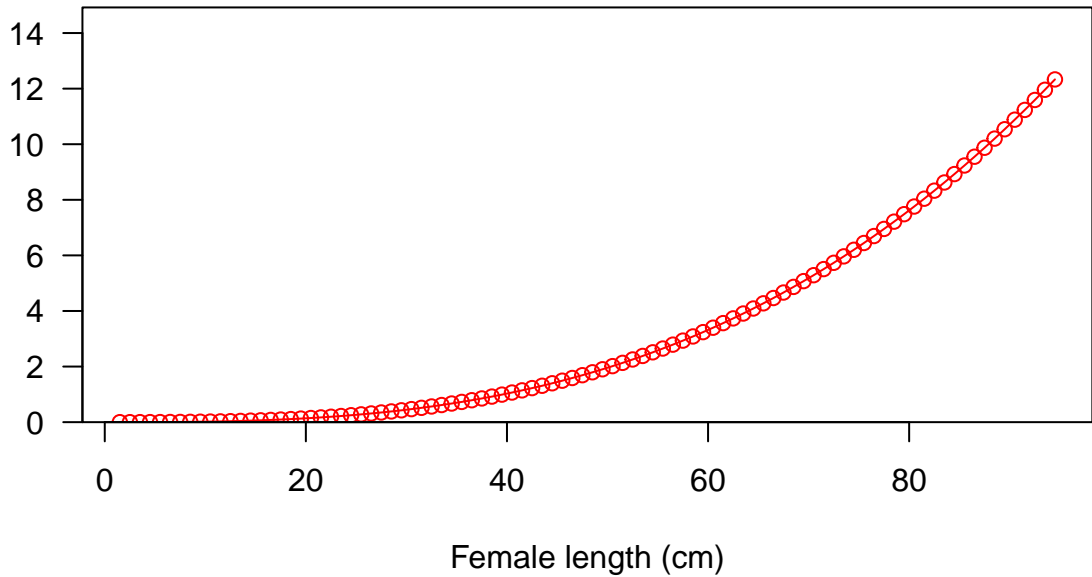




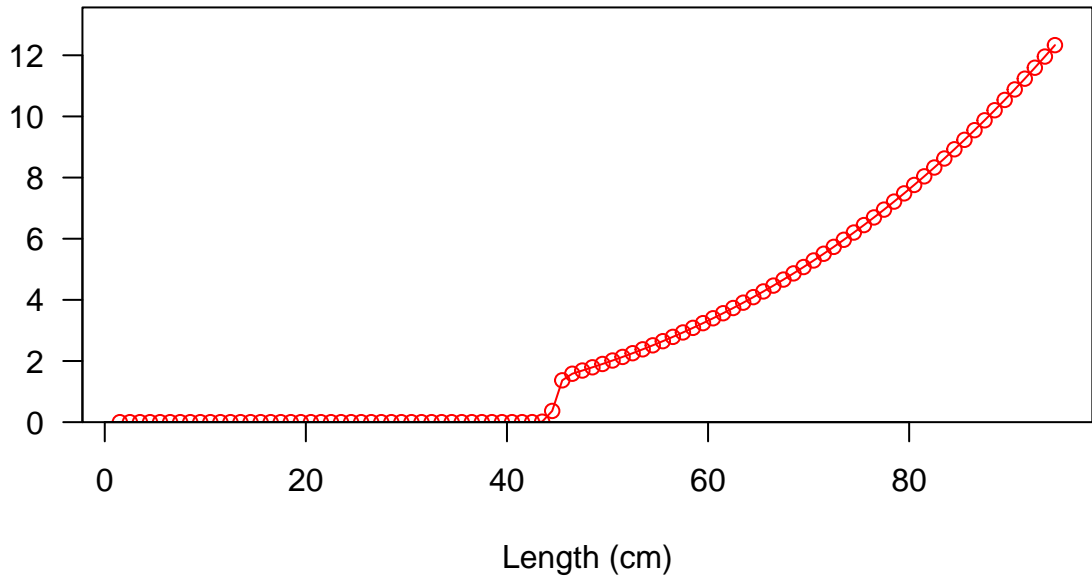
Fecundity



Fecundity

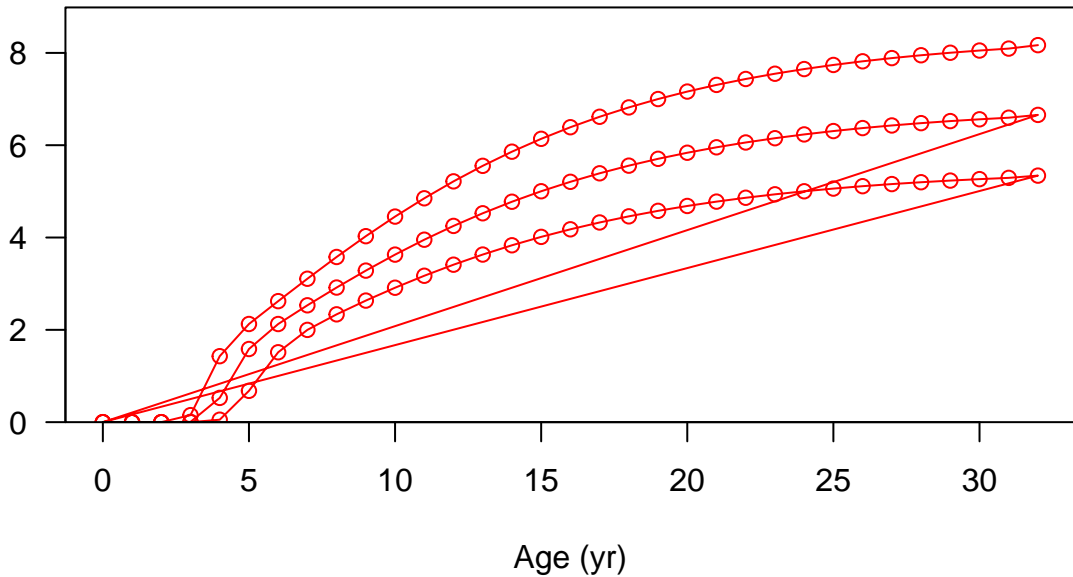


Spawning output

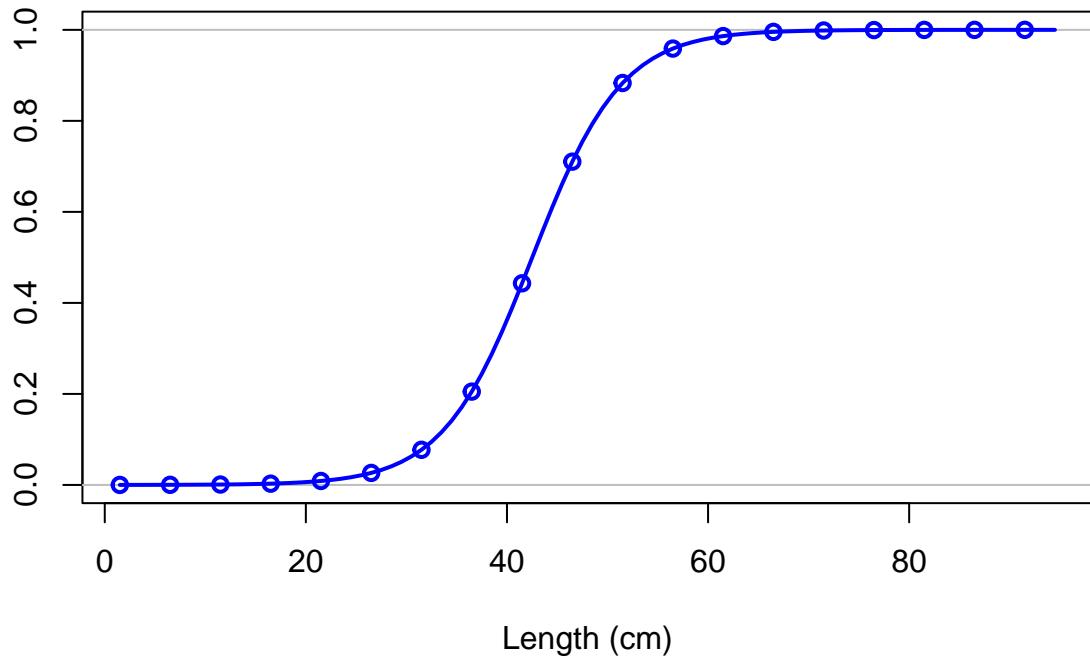




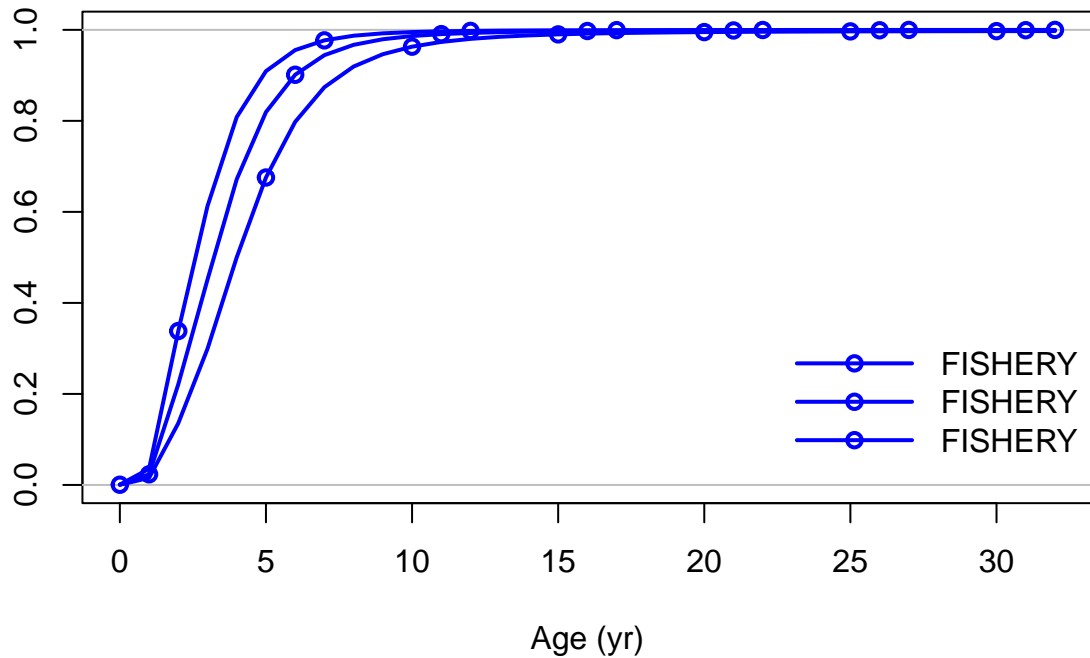
Spawning output



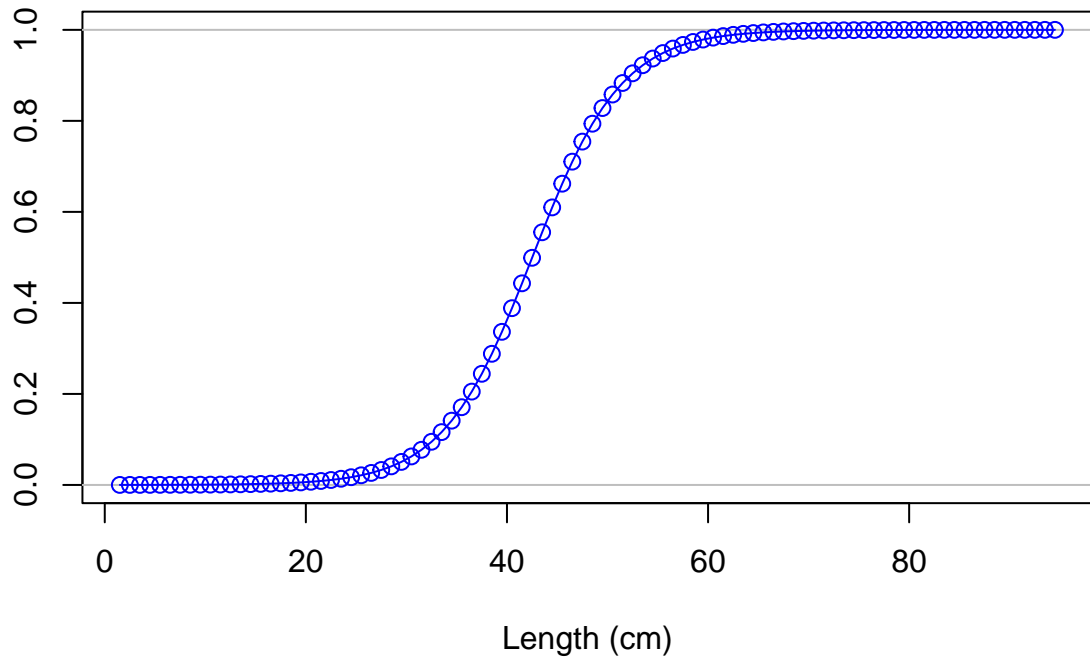
Selectivity

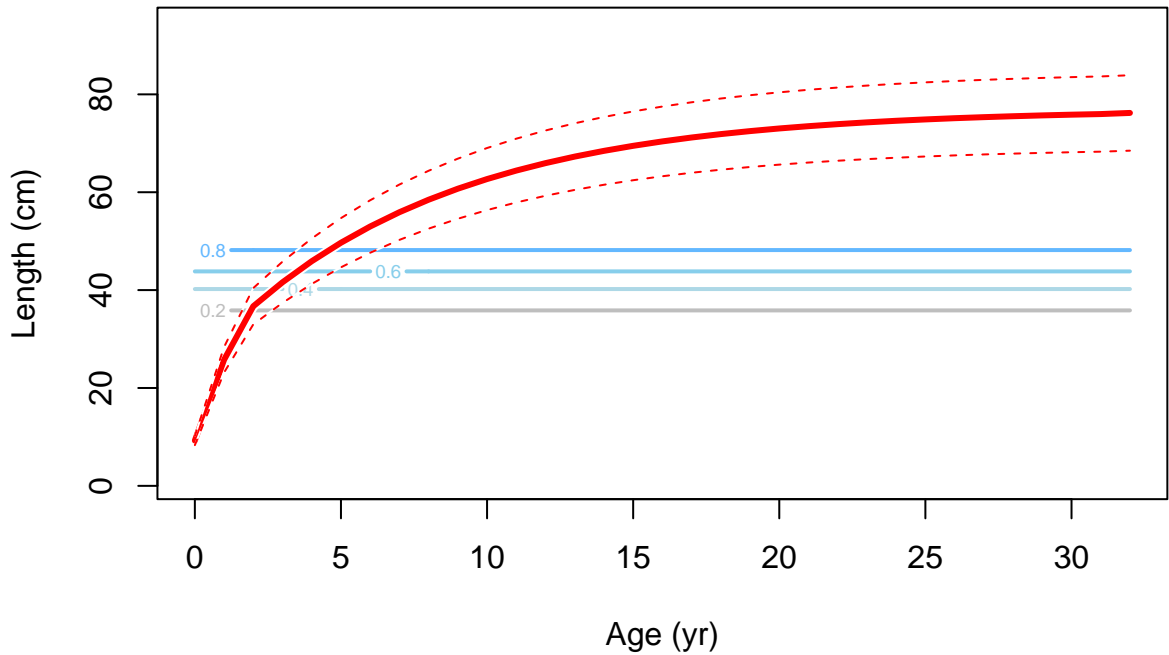


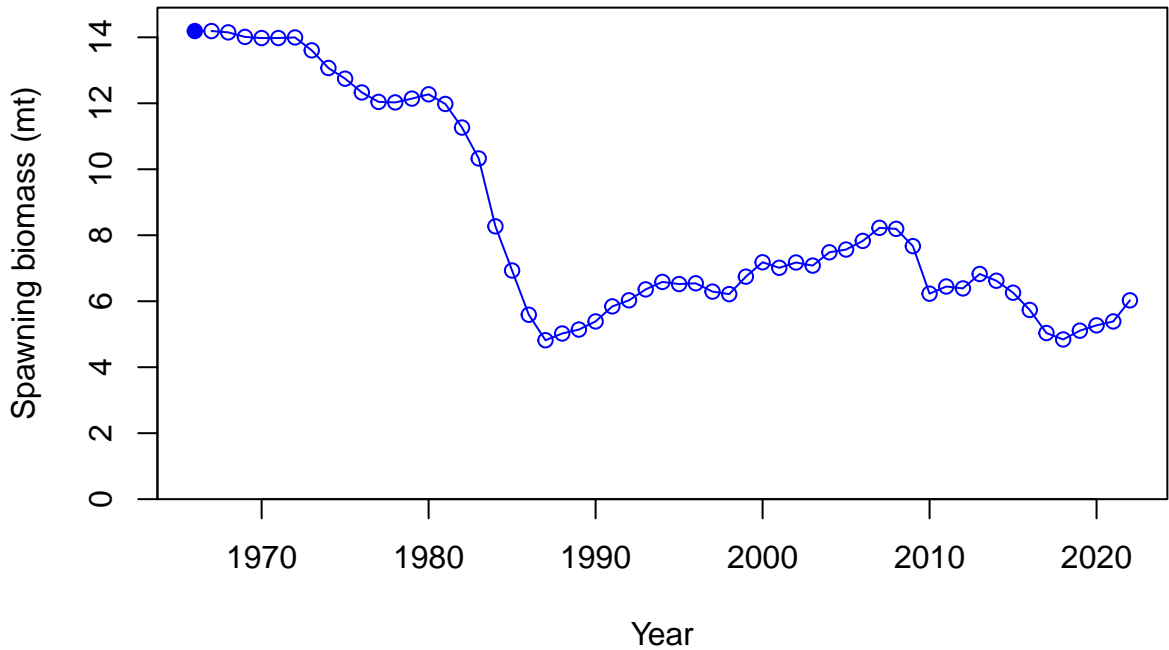
Selectivity



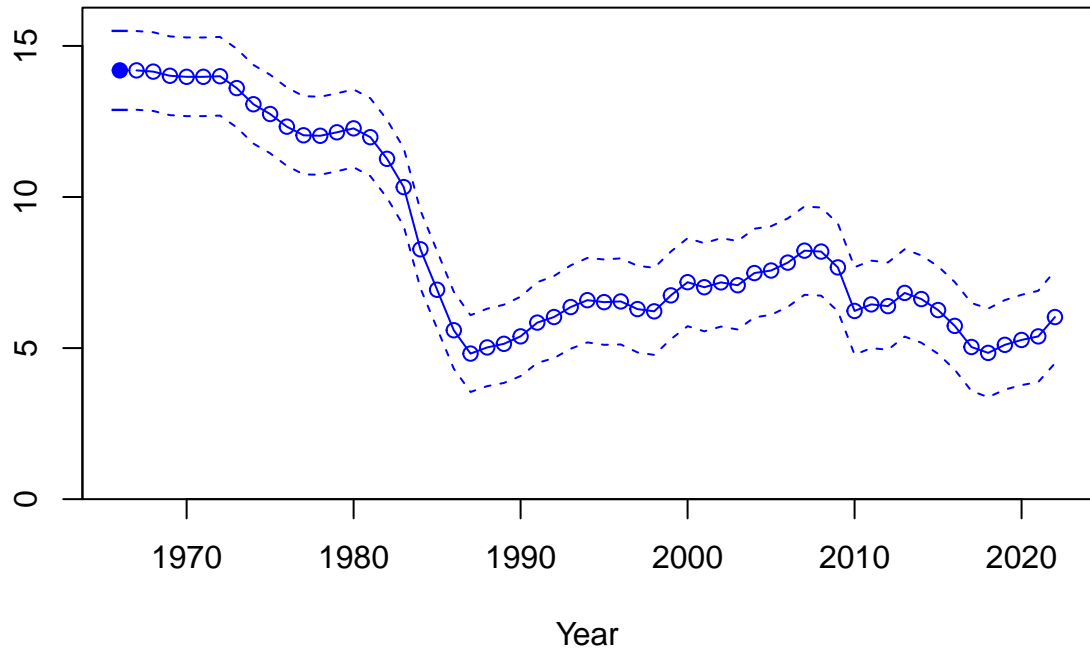
Selectivity



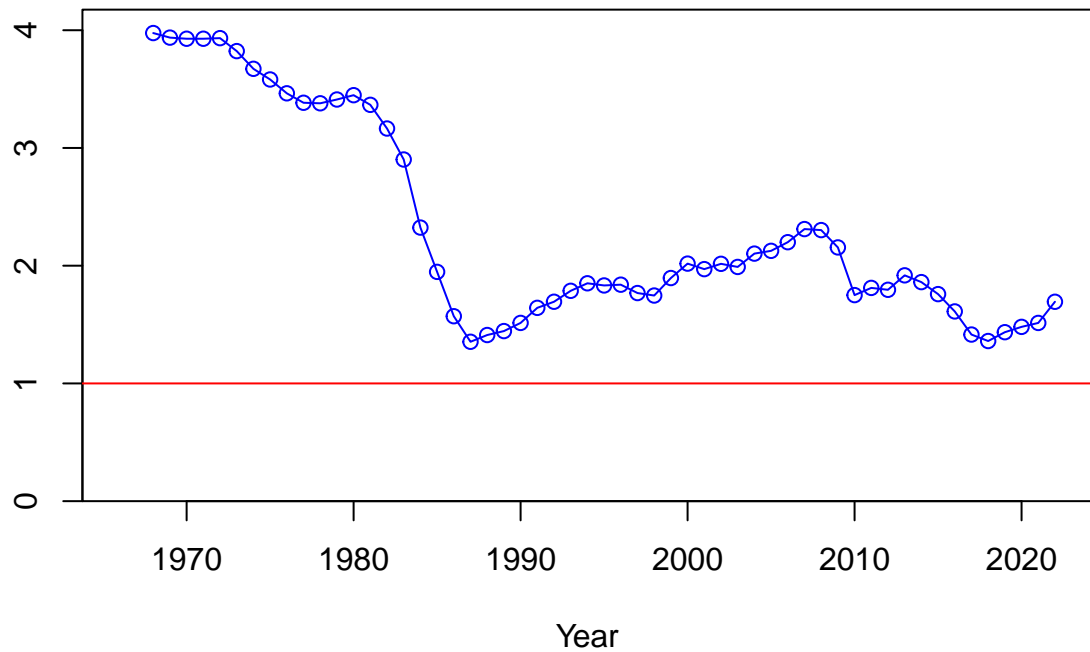




Spawning biomass (mt)

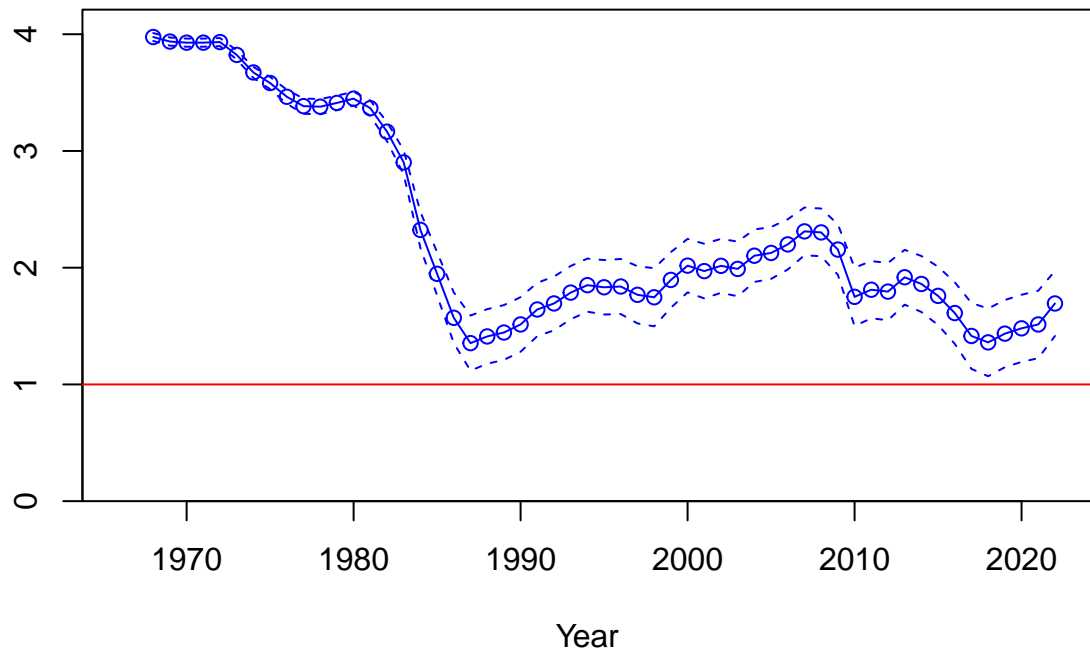


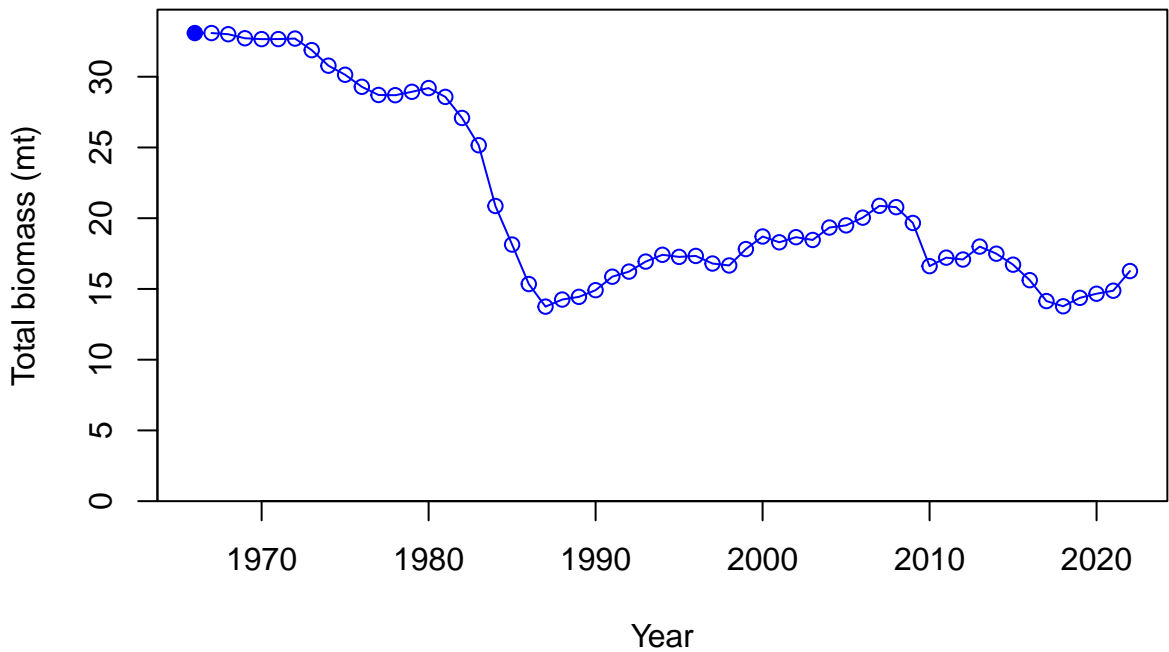
Relative spawning biomass:  $B/B_{MSY}$

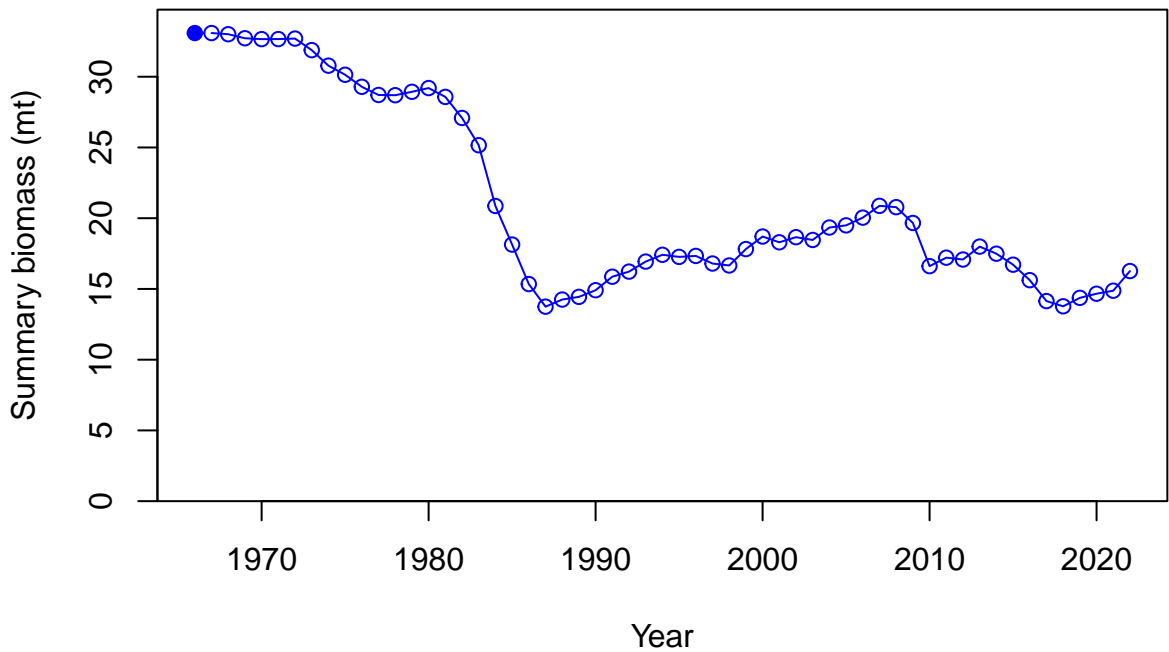


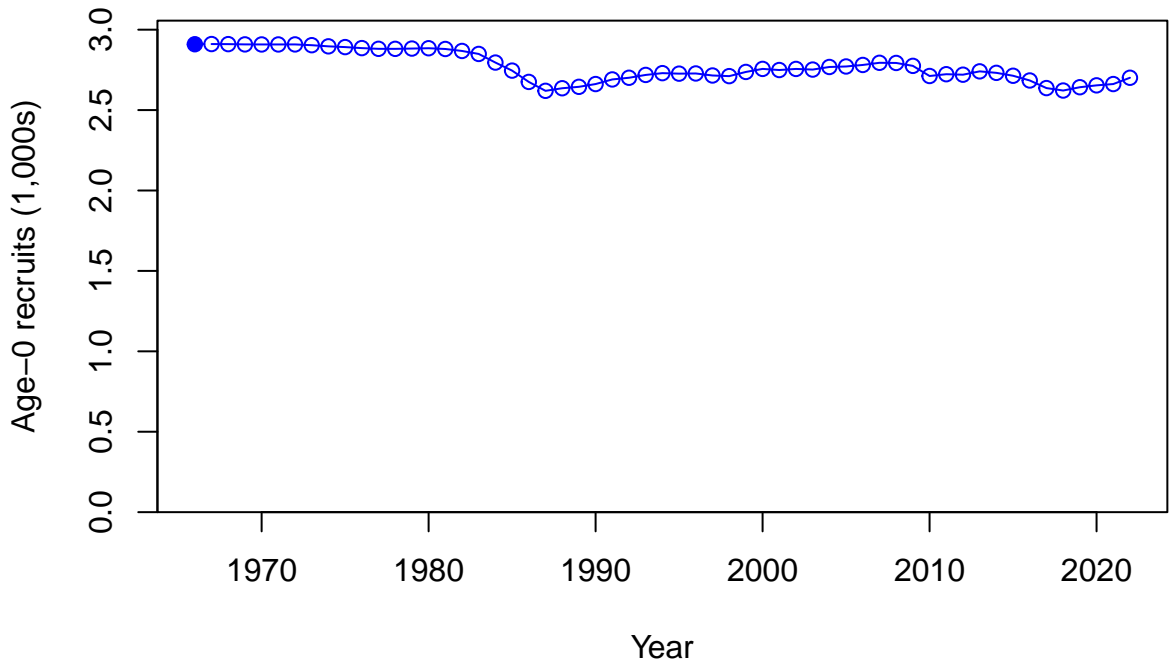


Relative spawning biomass: B/B\_MSY

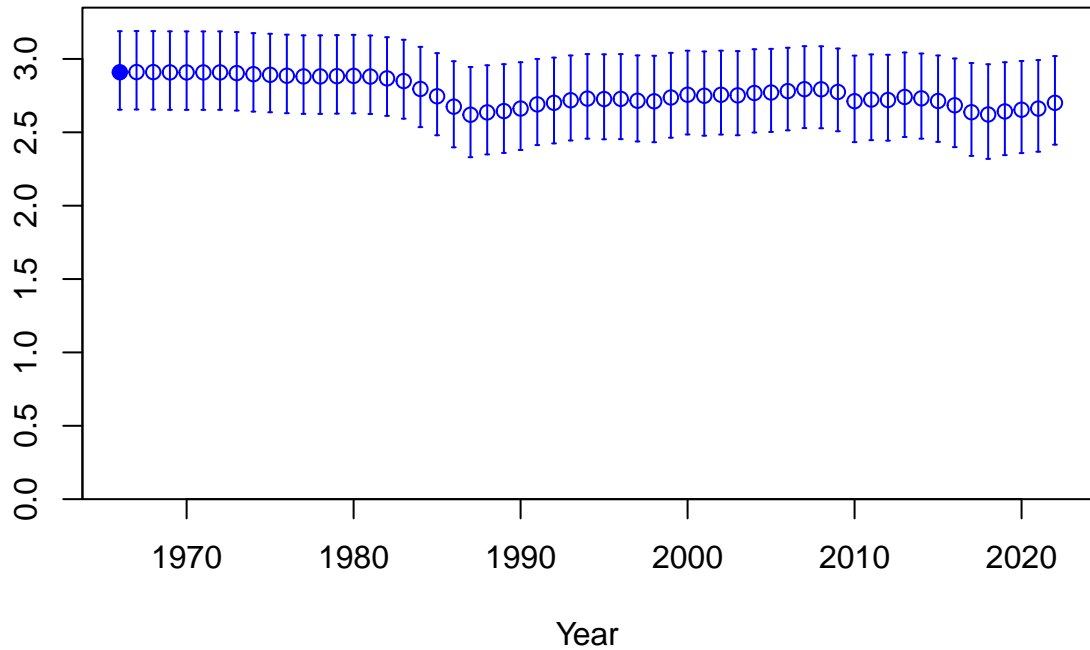




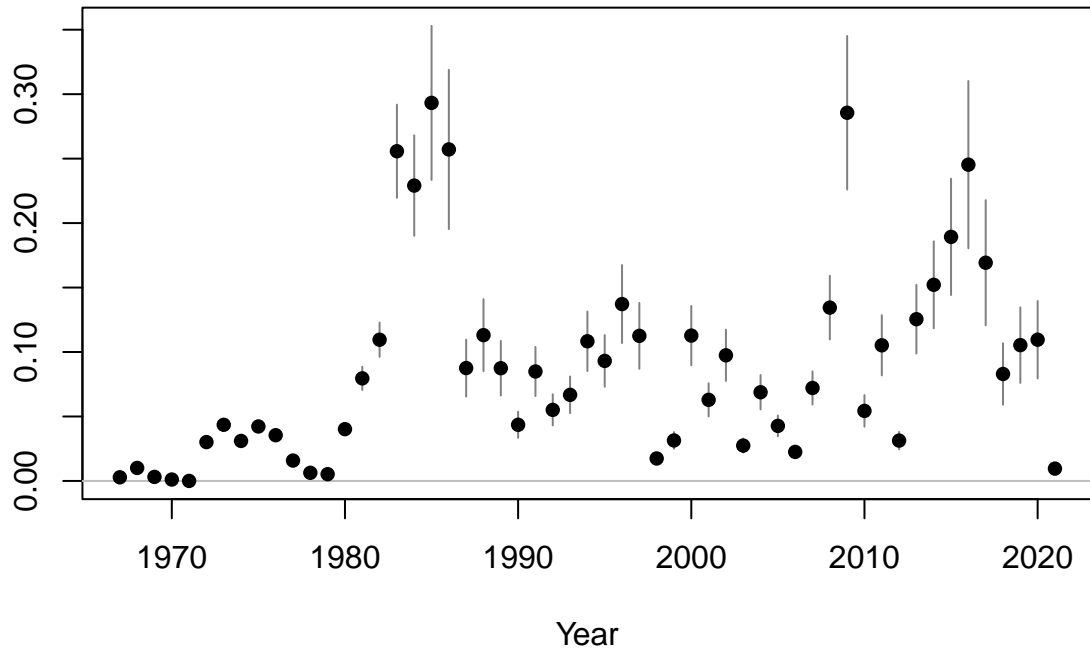


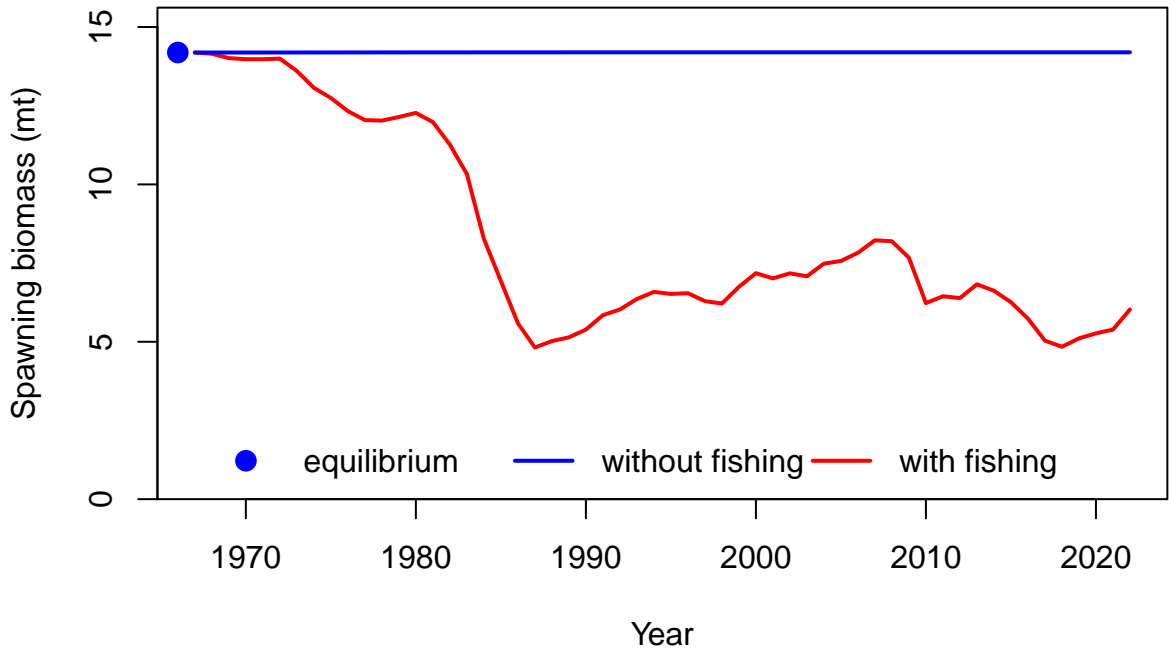


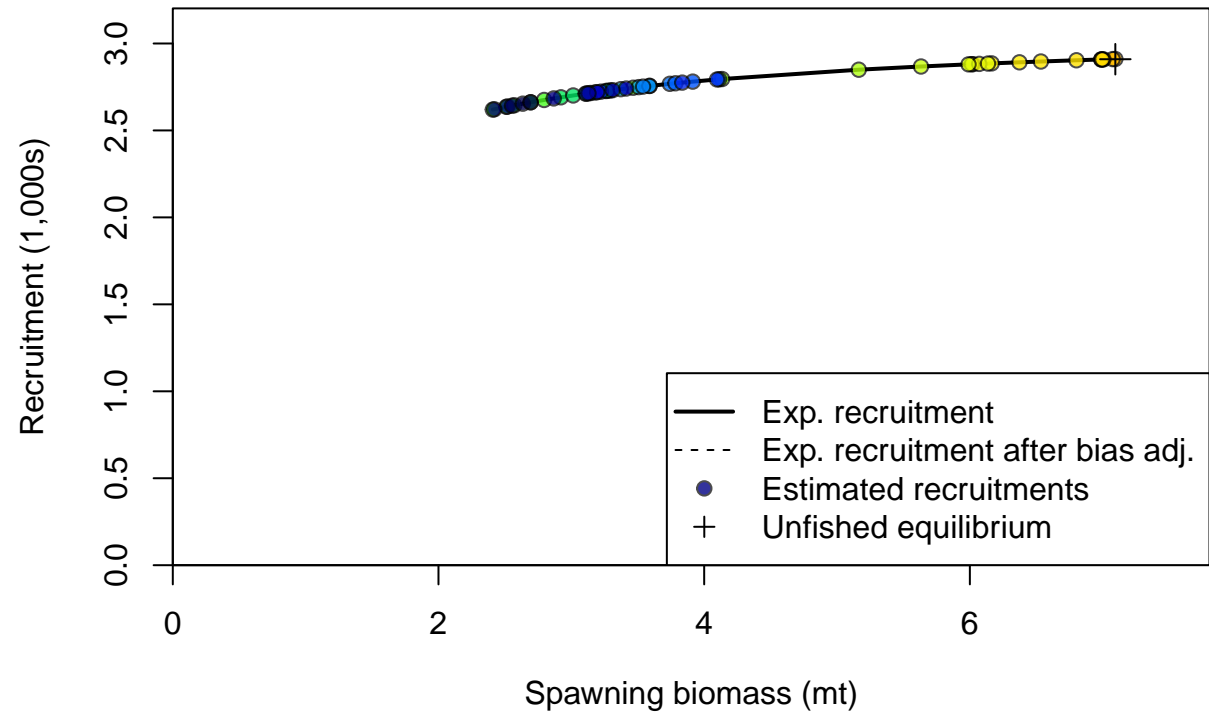
Age-0 recruits (1,000s)



Summary Fishing Mortality

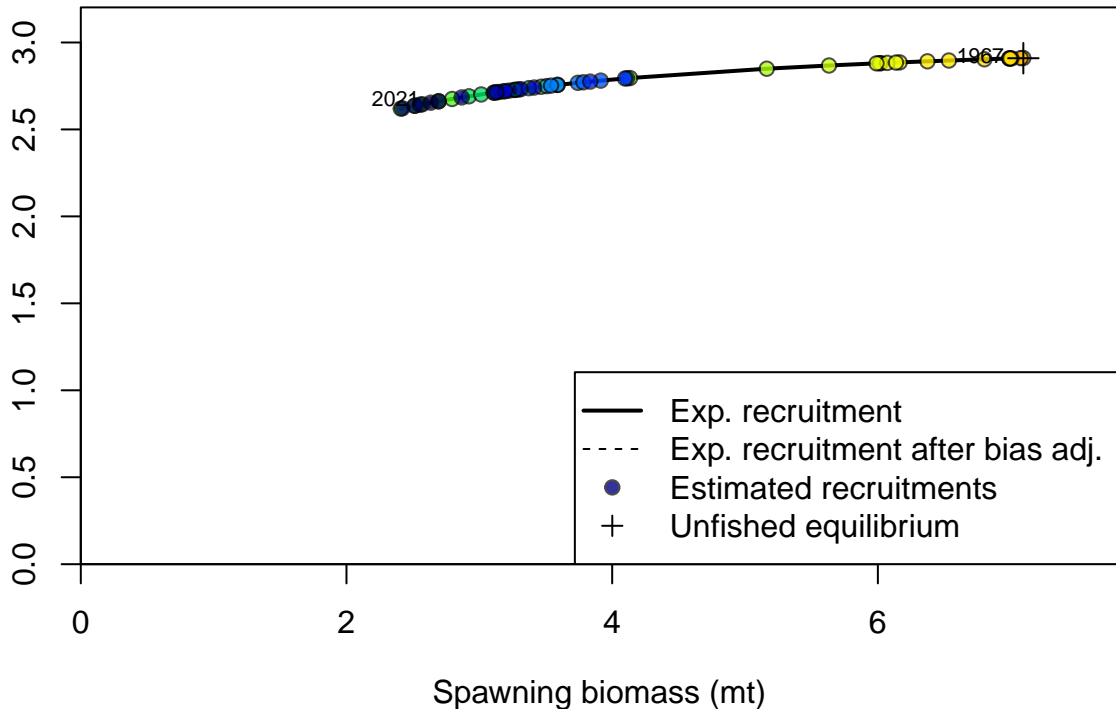


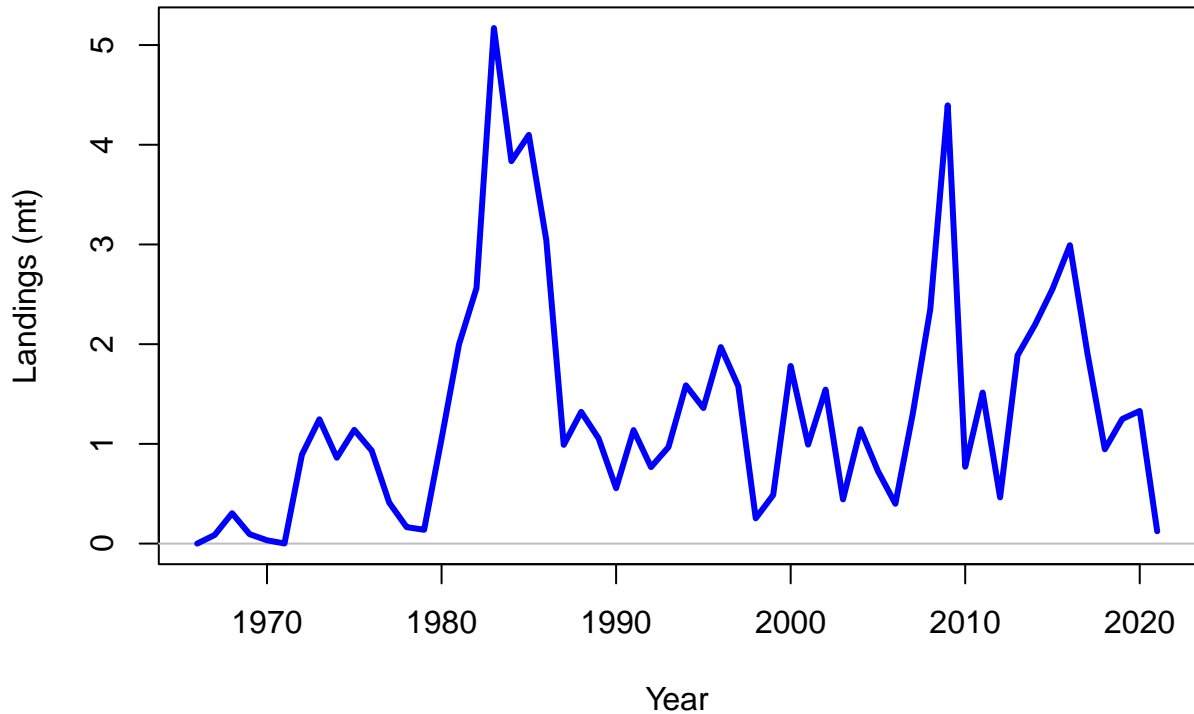




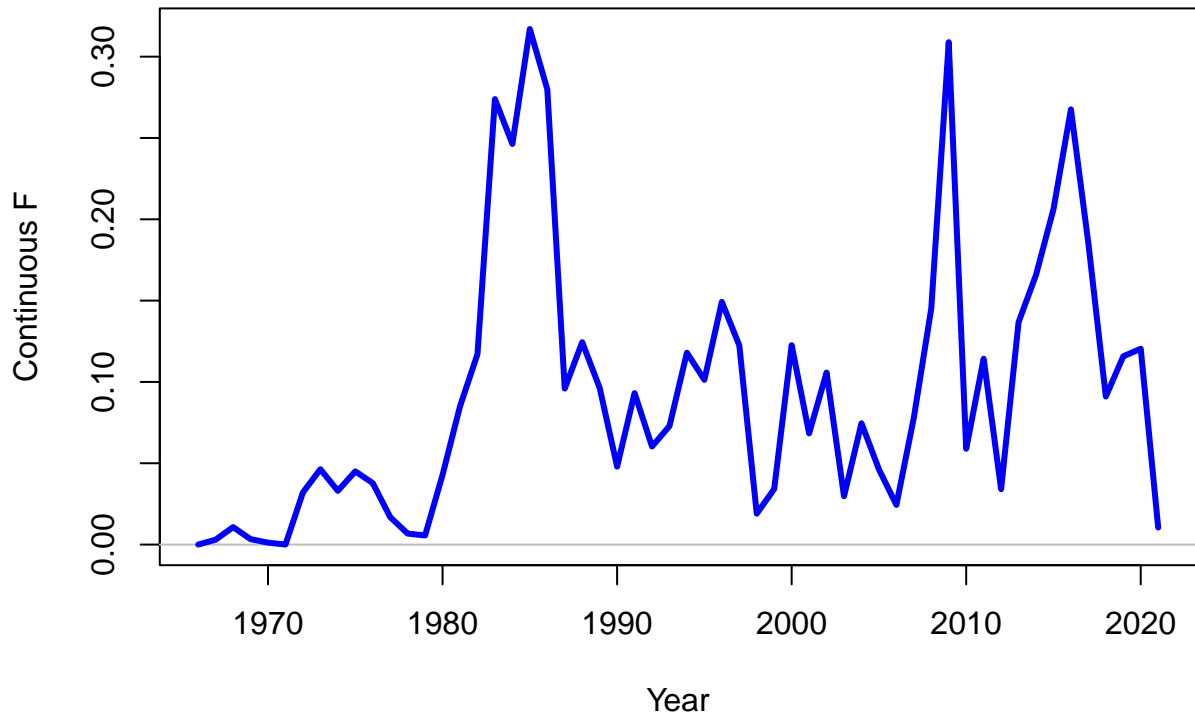


Recruitment (1,000s)

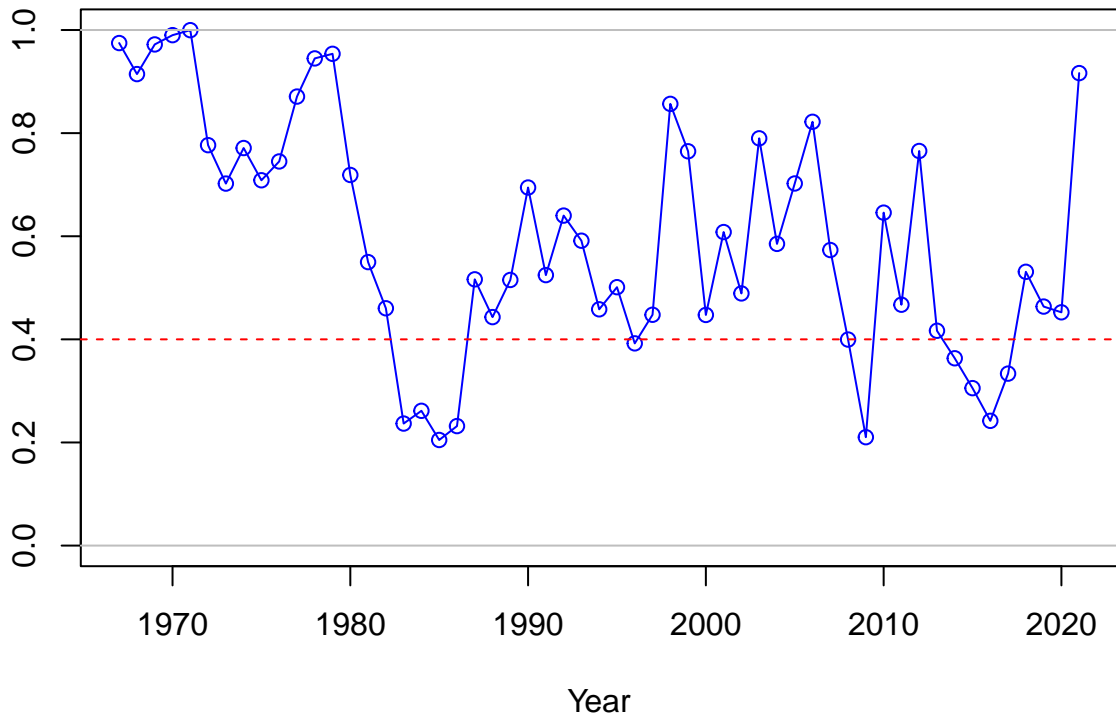




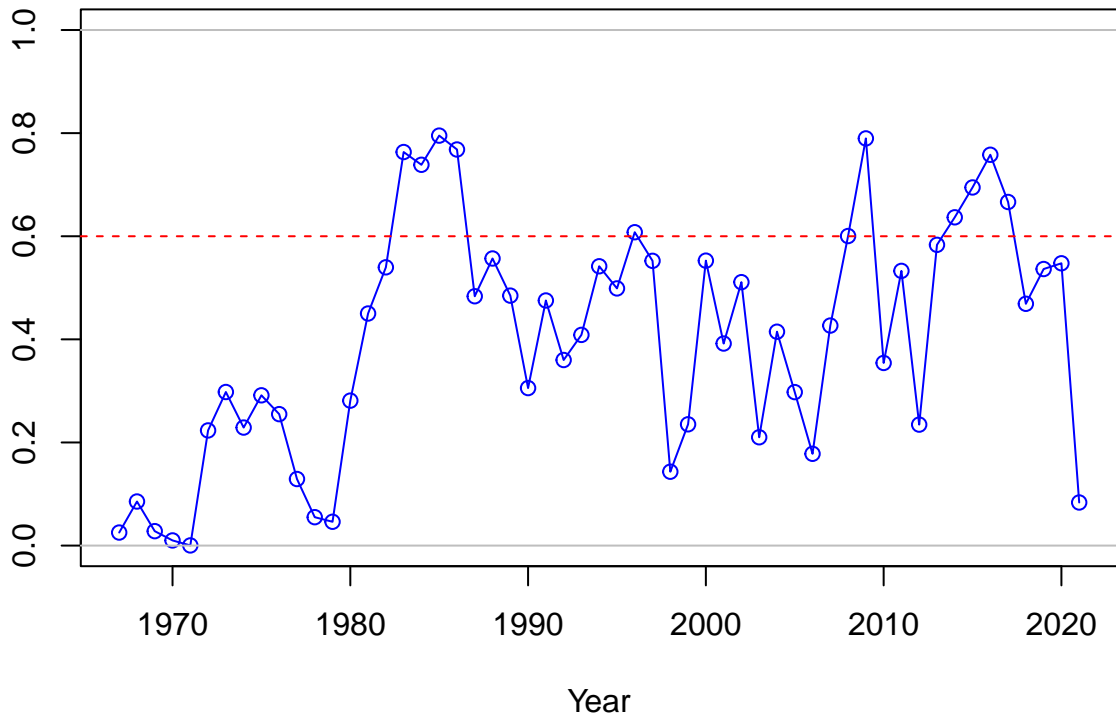




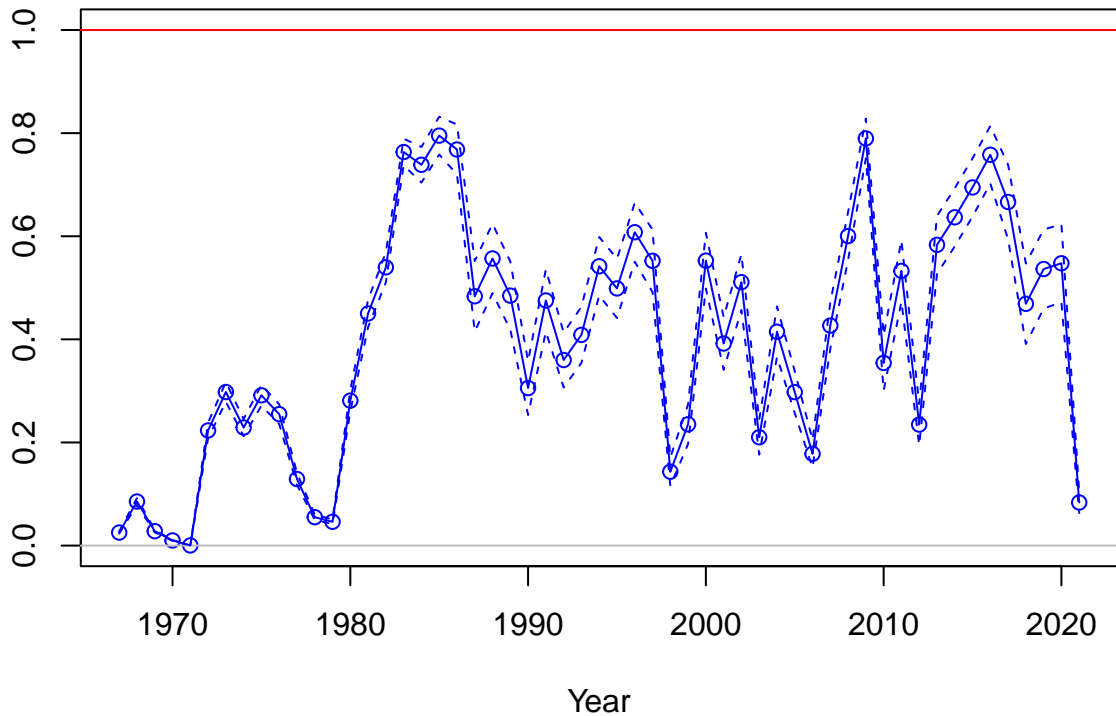
SPR



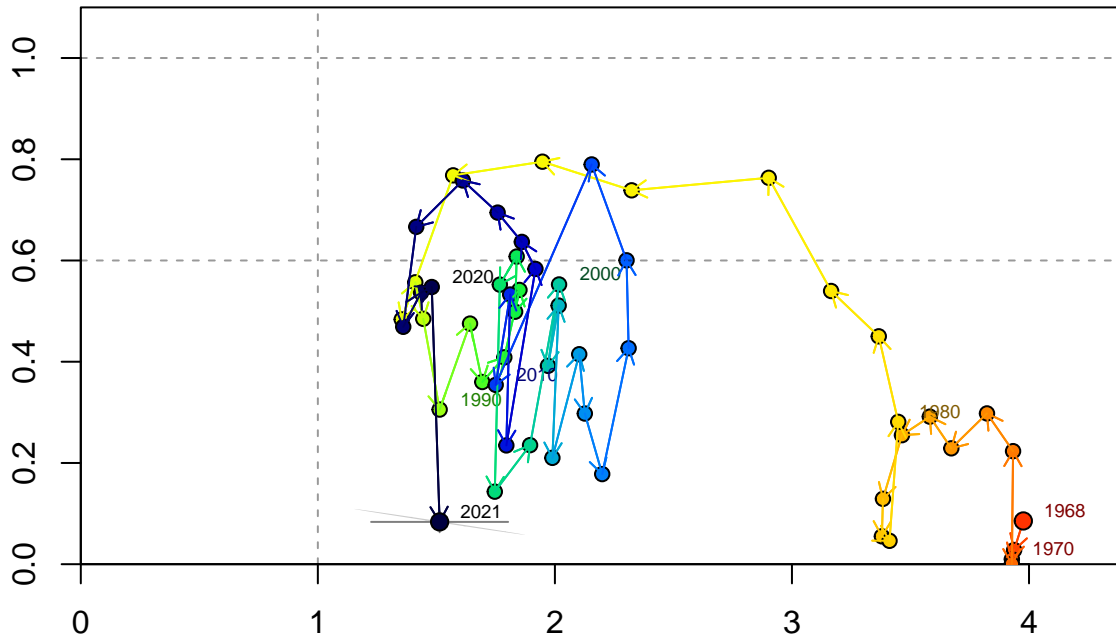
1-SPR



Fishing intensity: 1-SPR

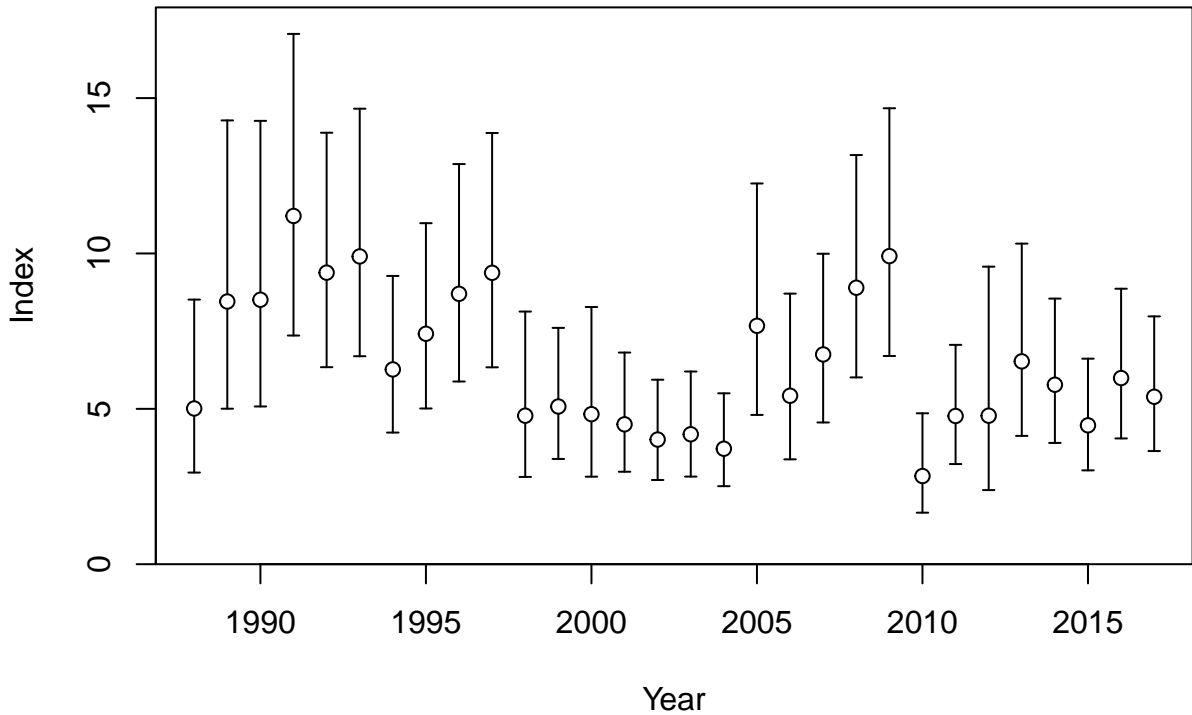


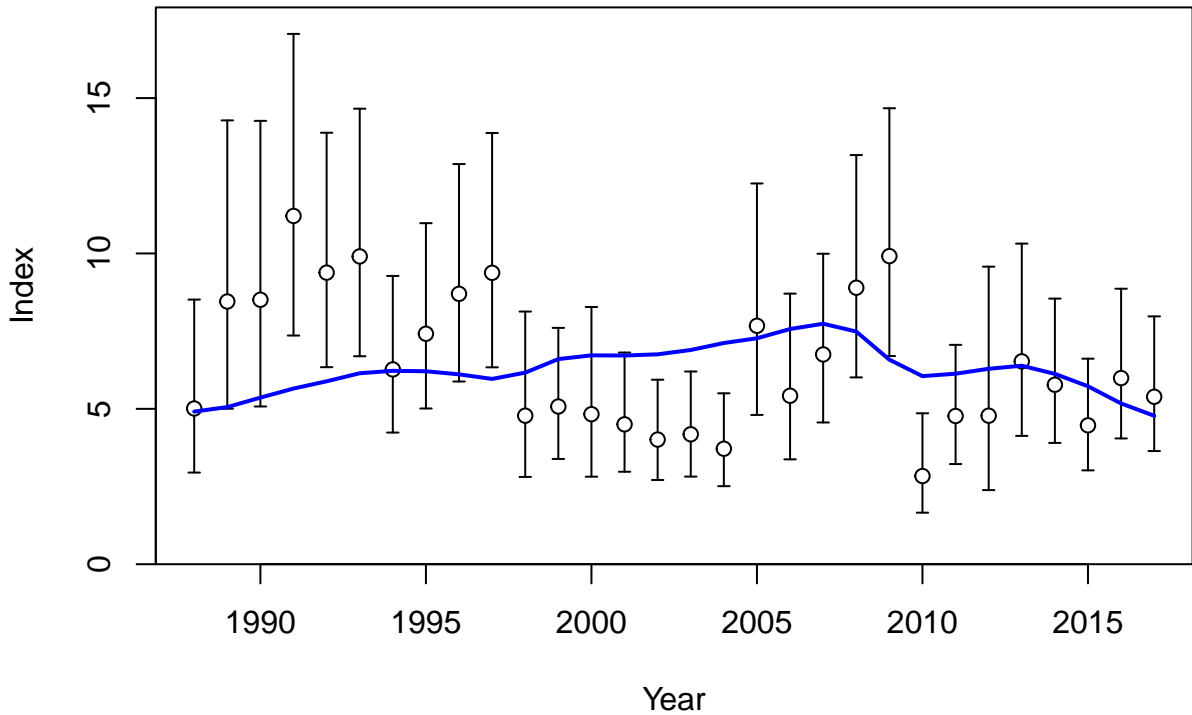
Fishing intensity: 1-SPR

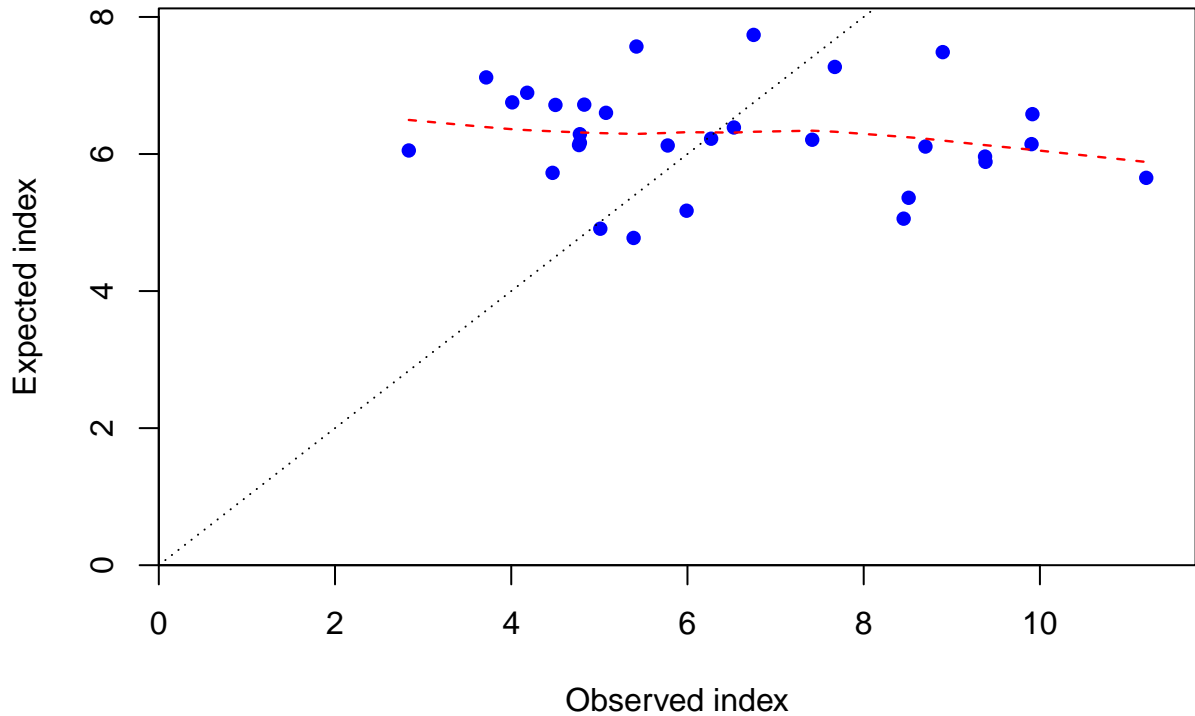


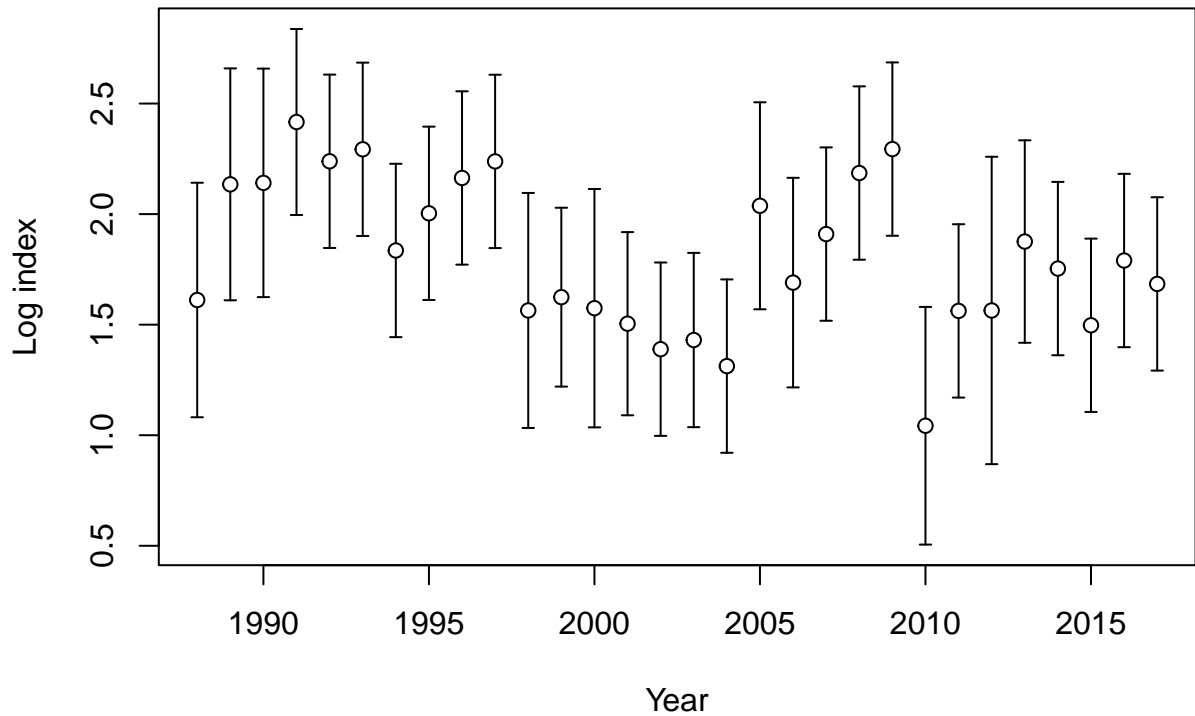
Relative spawning output:  $B/B_{MSY}$

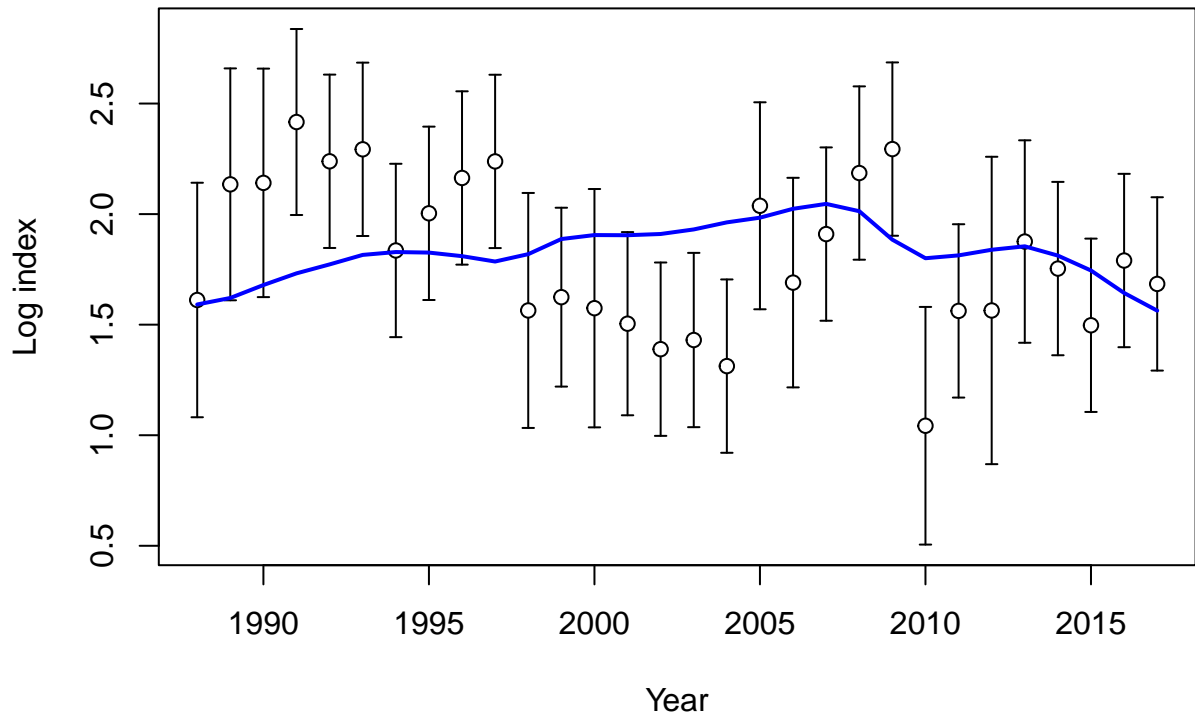


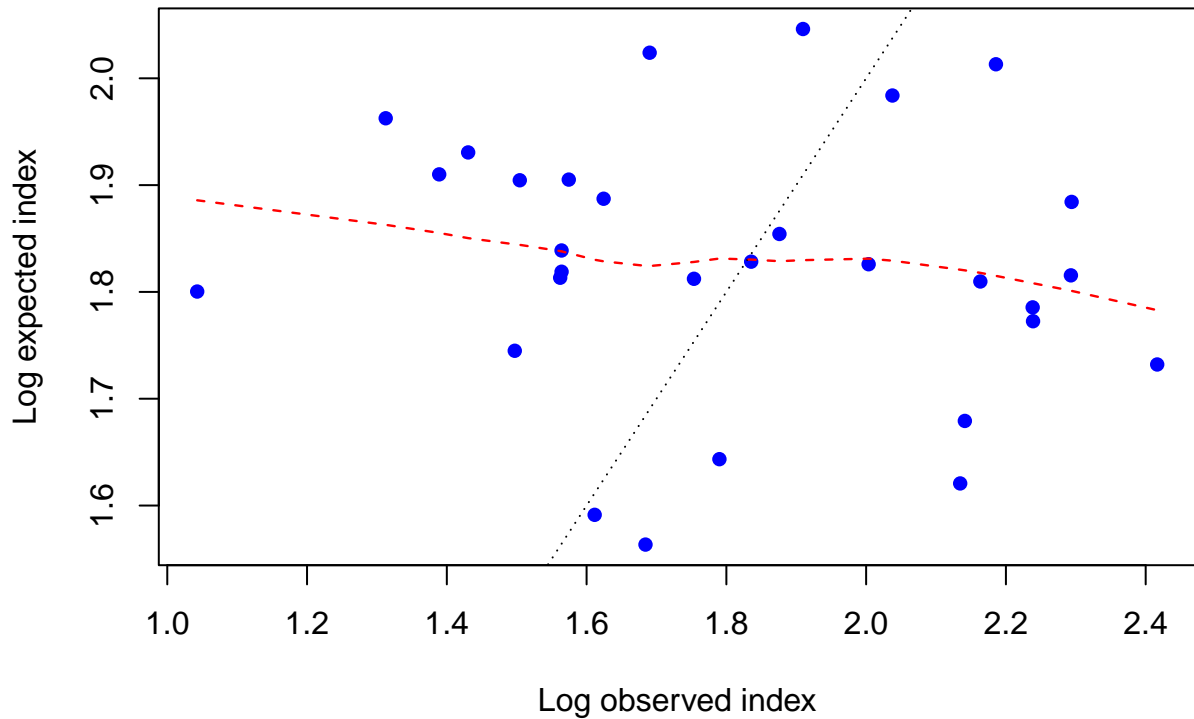


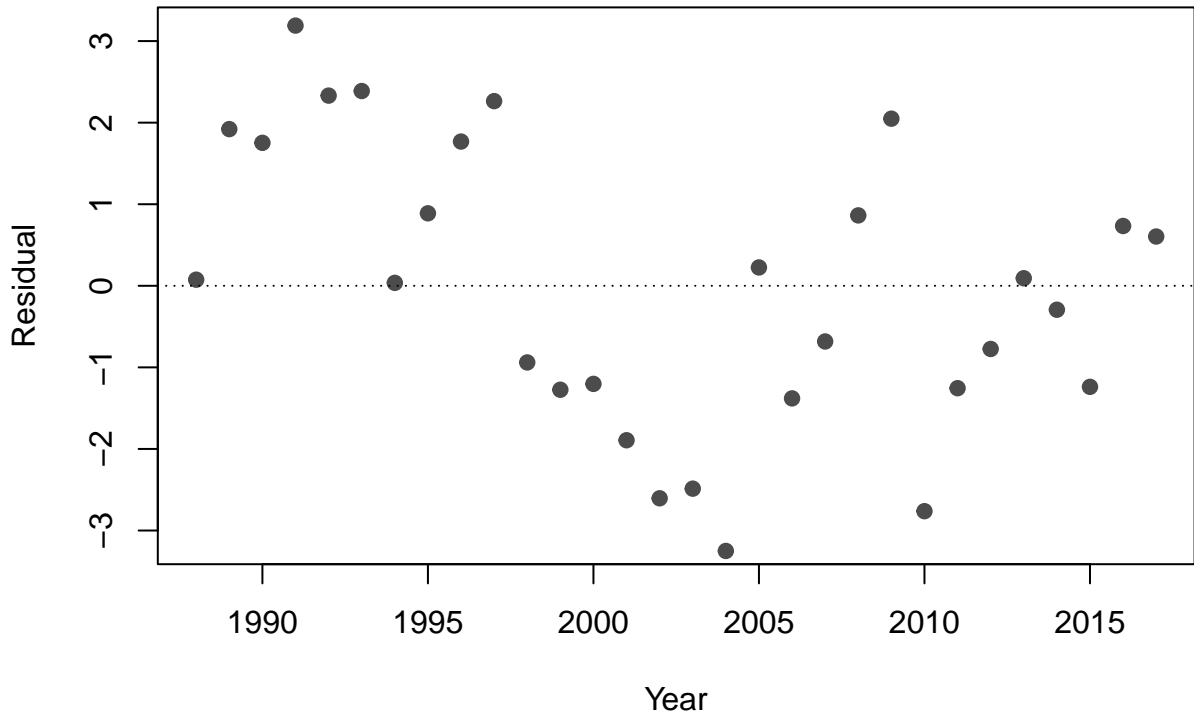


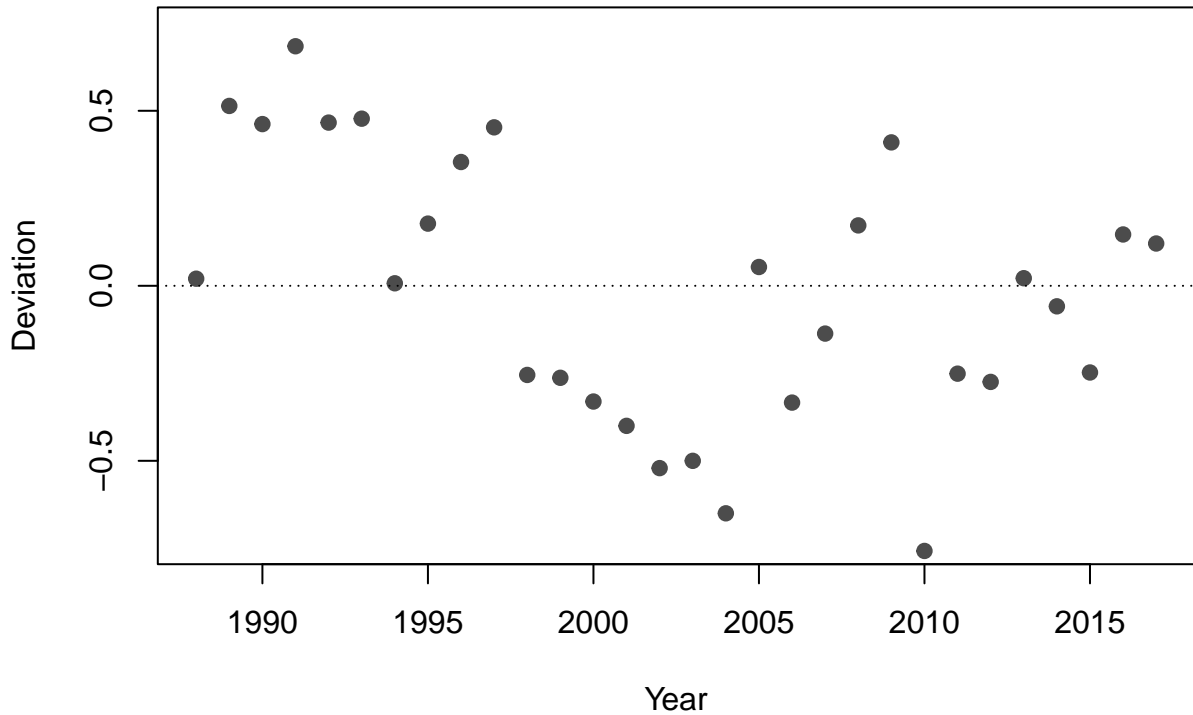




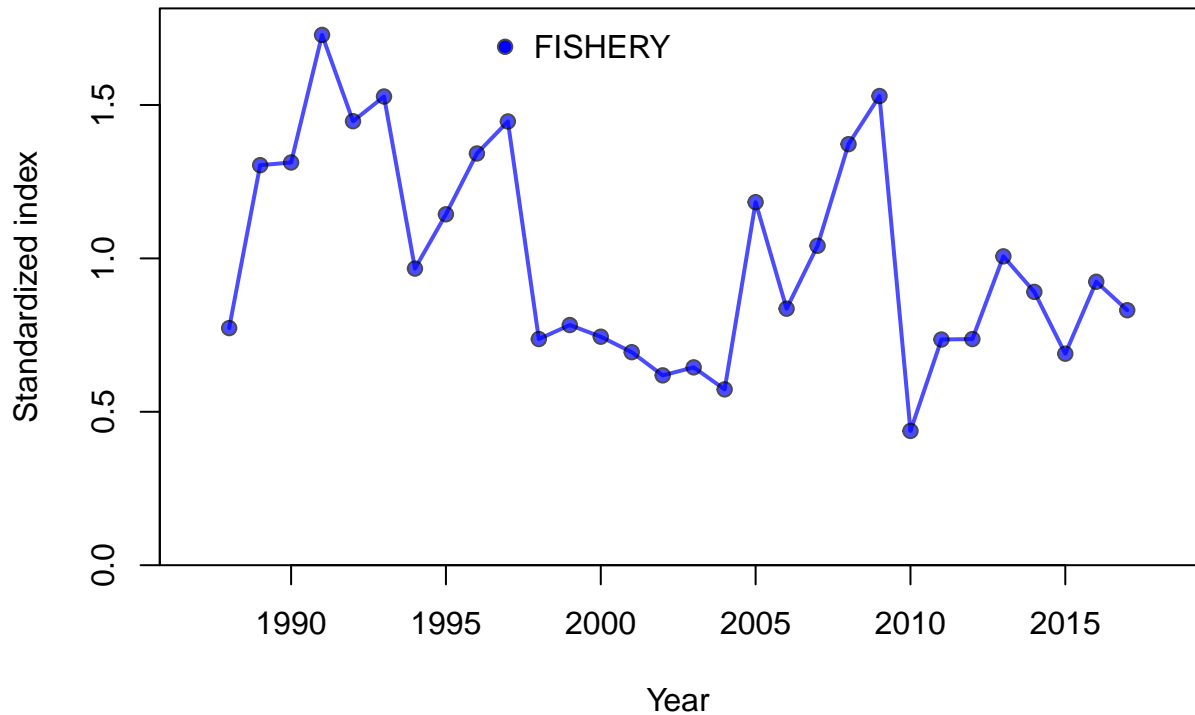


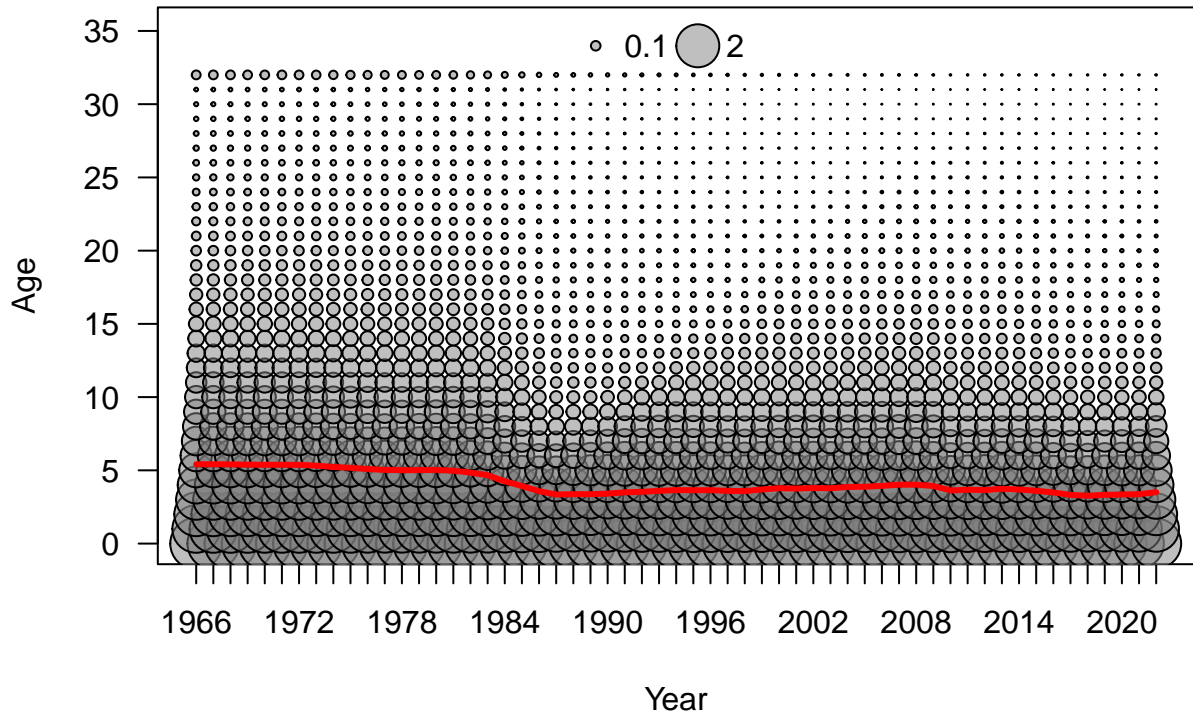


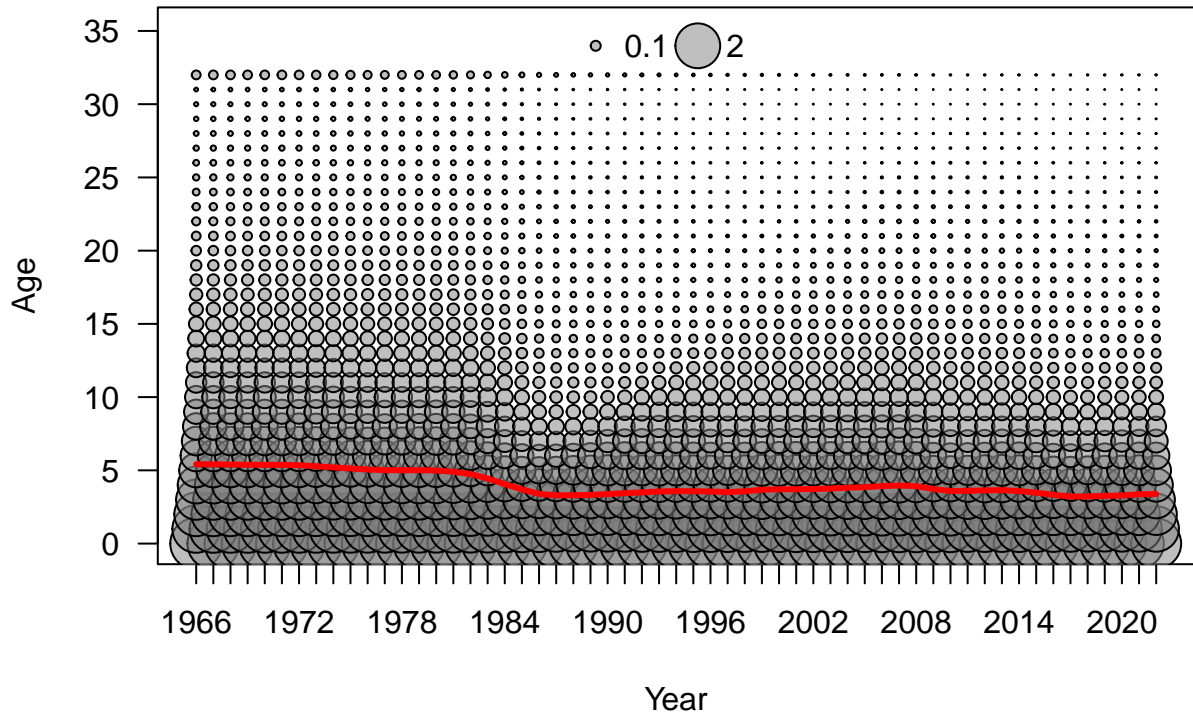


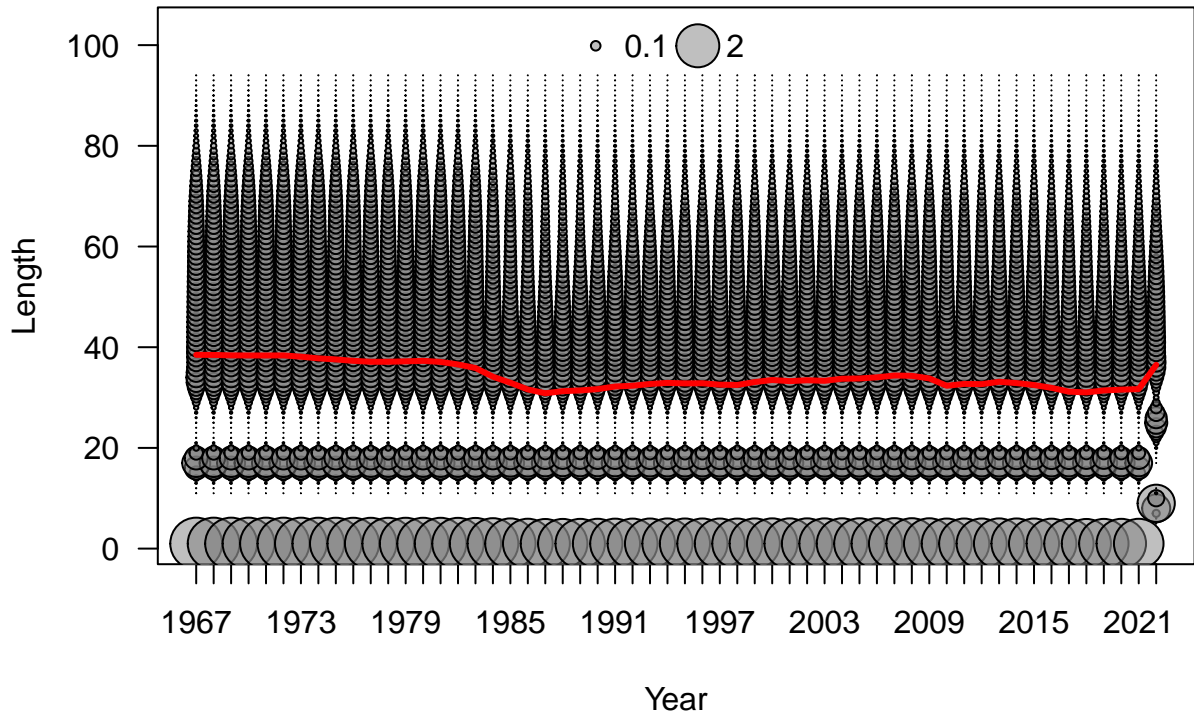


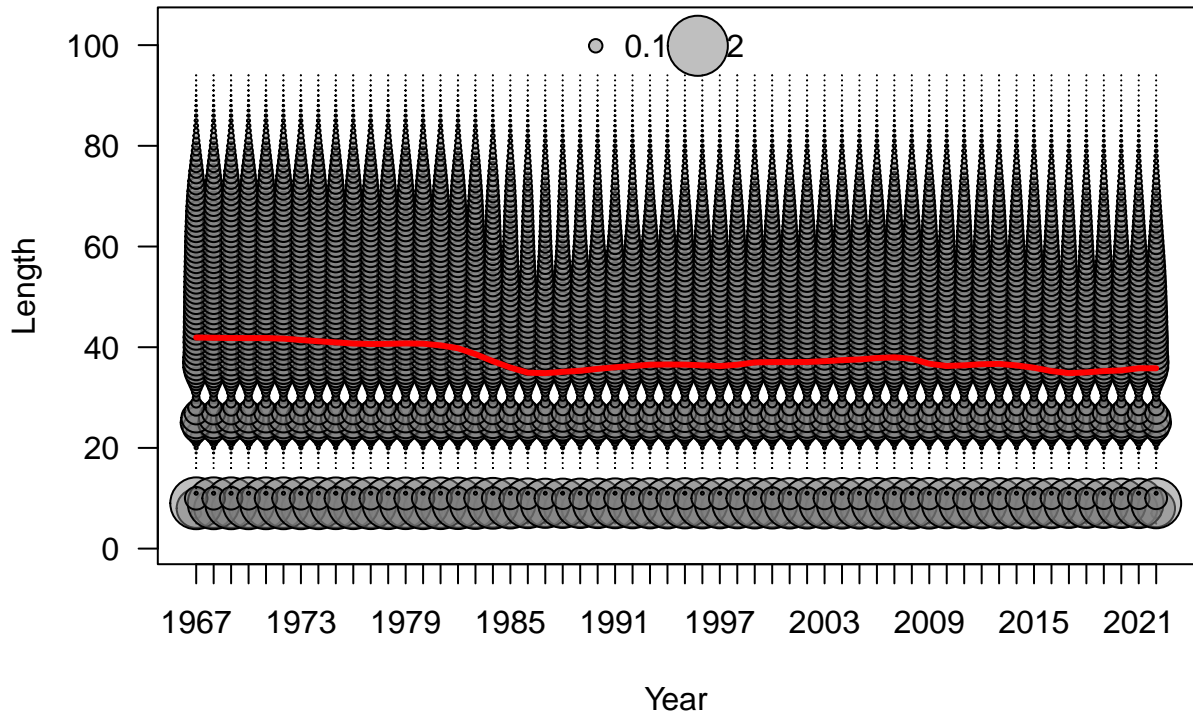


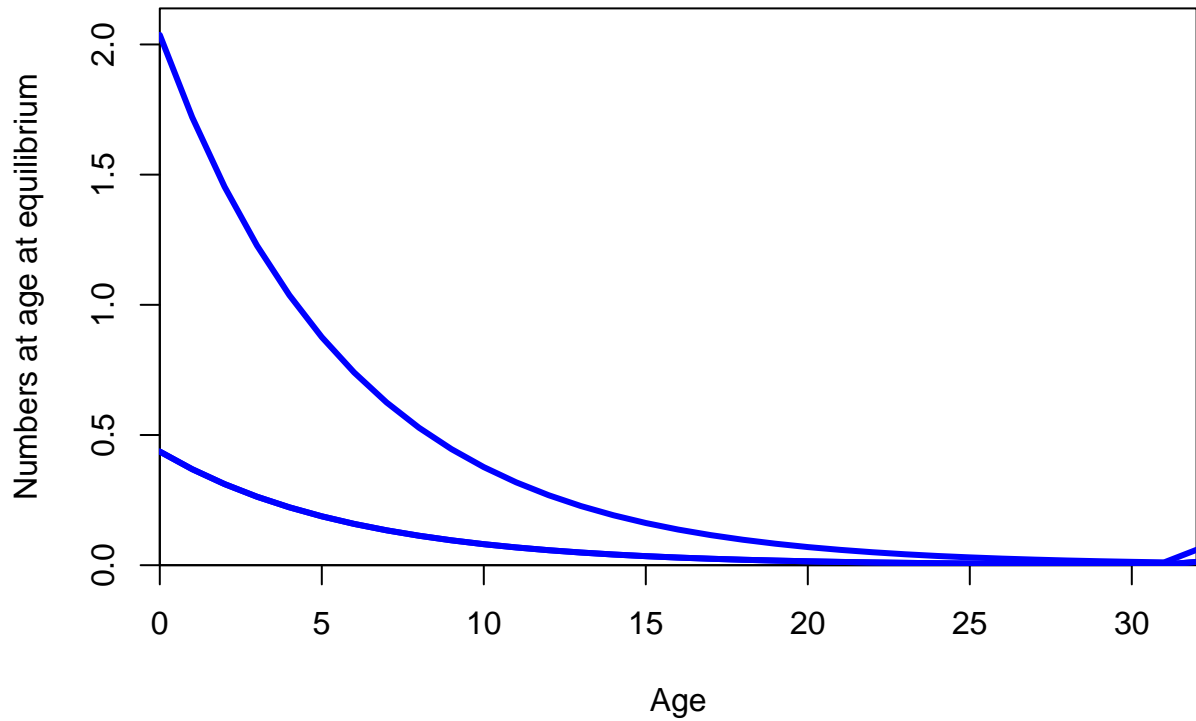






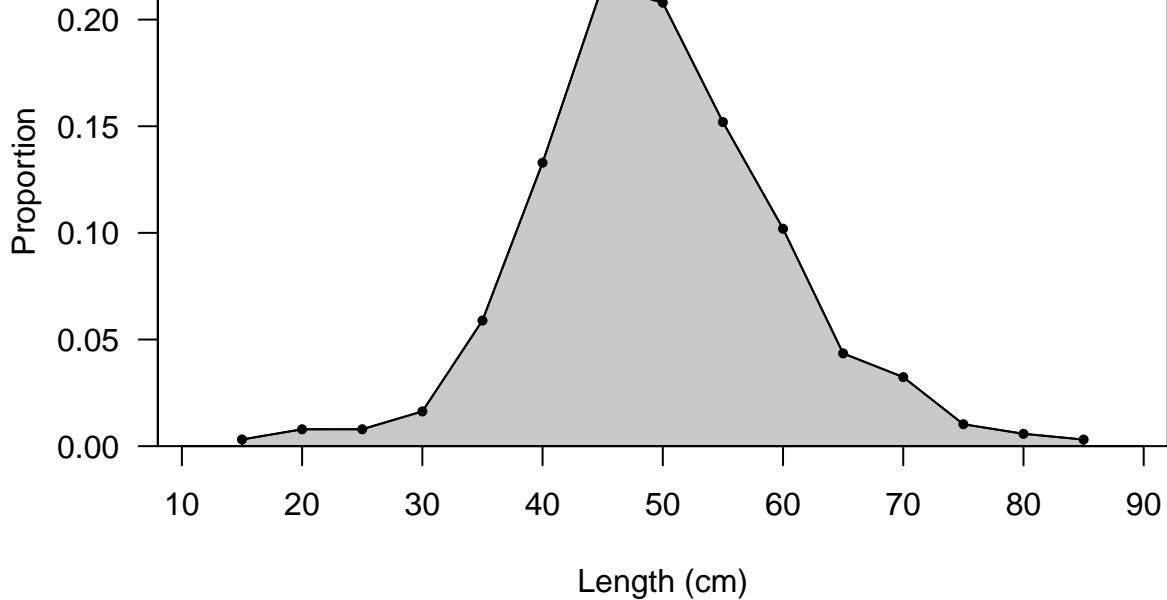


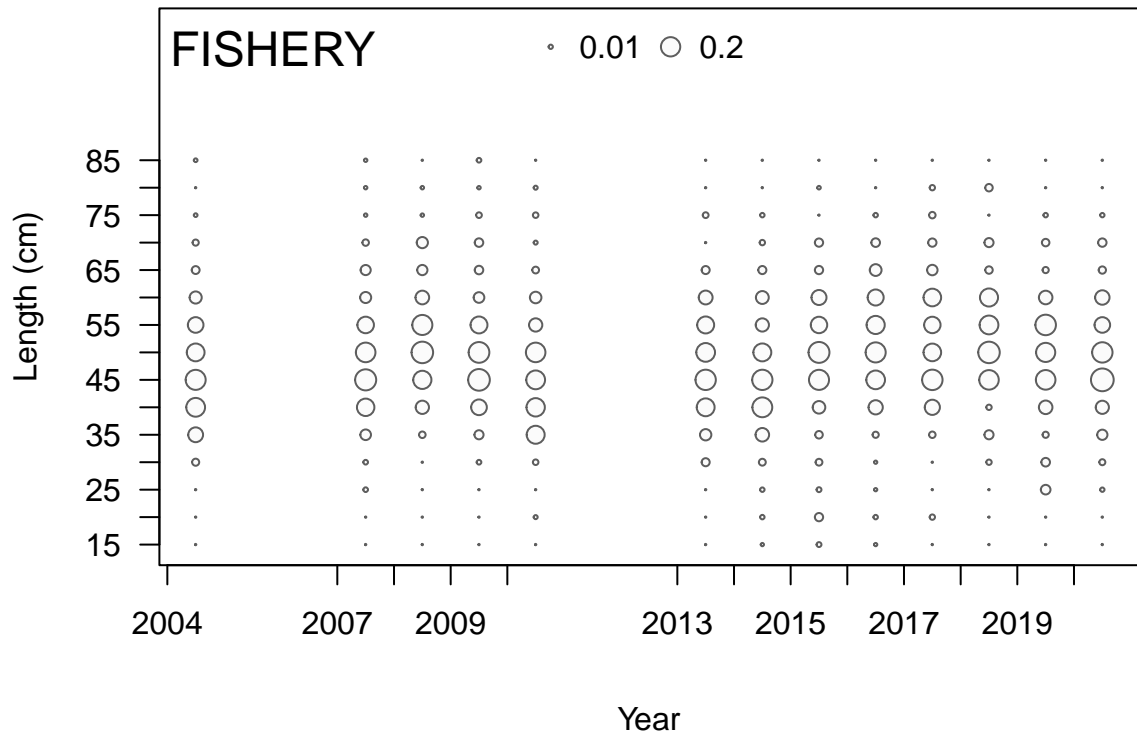




# FISHERY

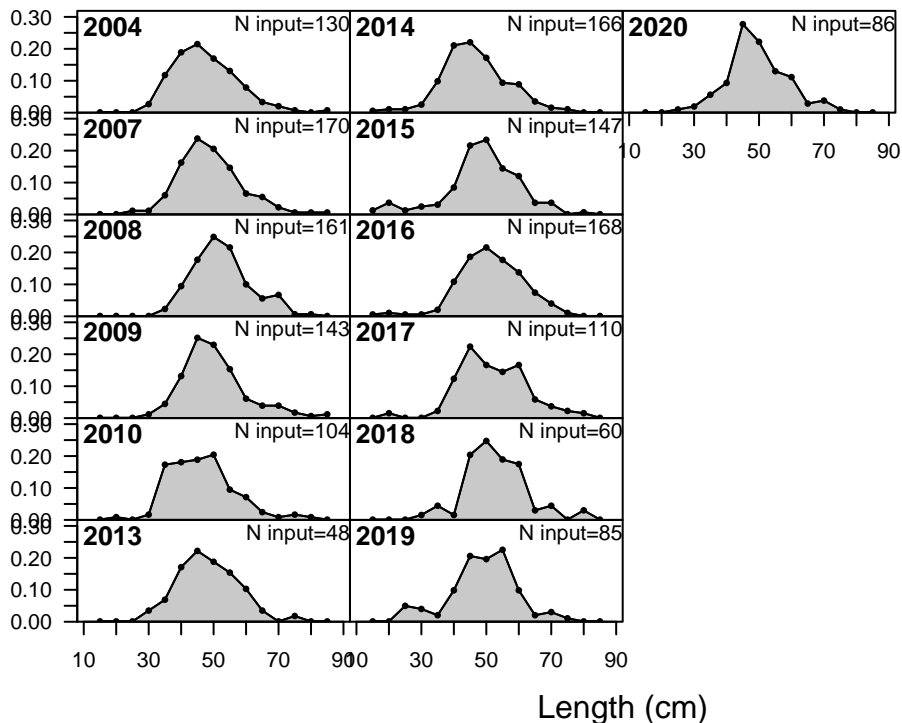
Sum of N input=1578

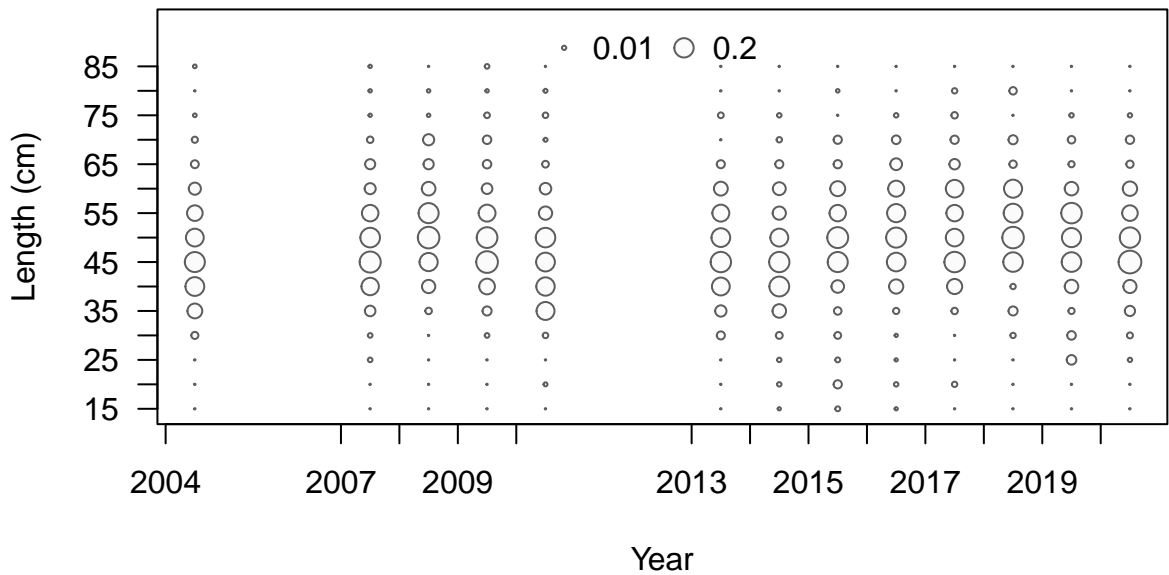






Proportion





# FISHERY (whole catch)

Mean length

60  
55  
50  
45  
40

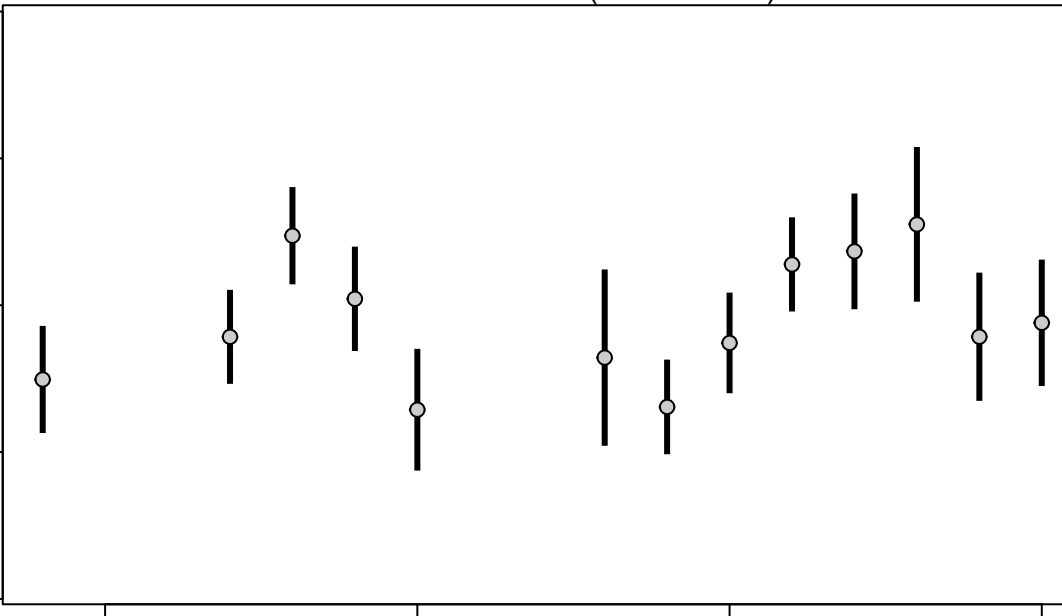
2005

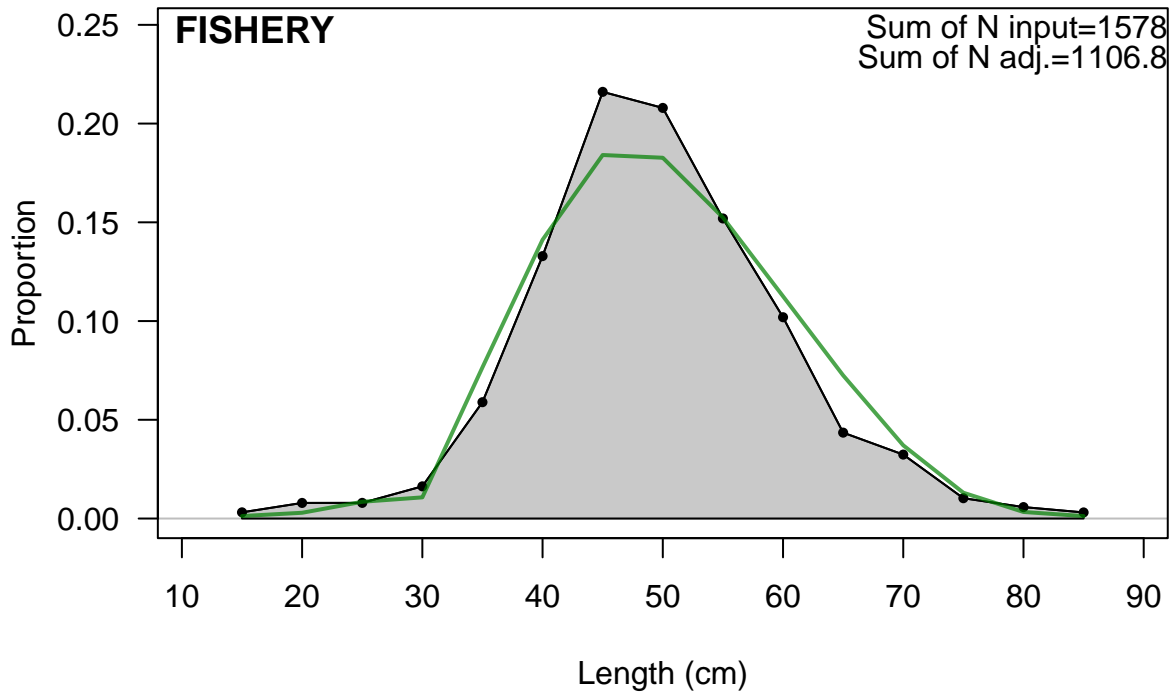
2010

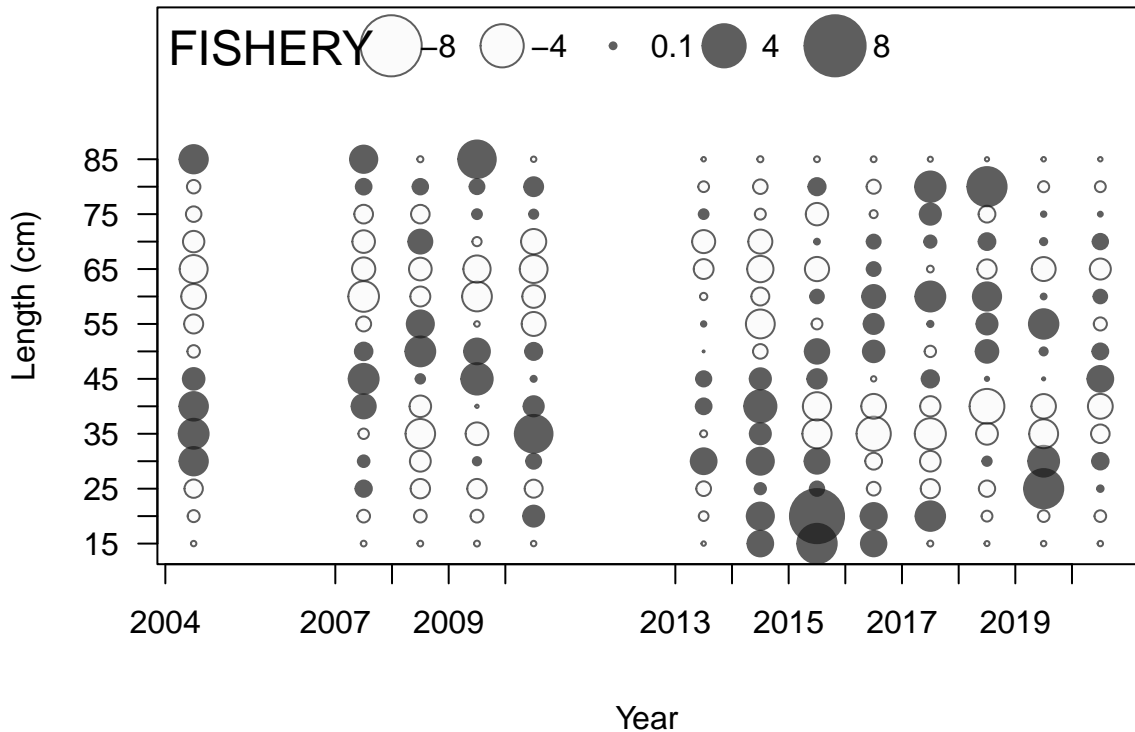
2015

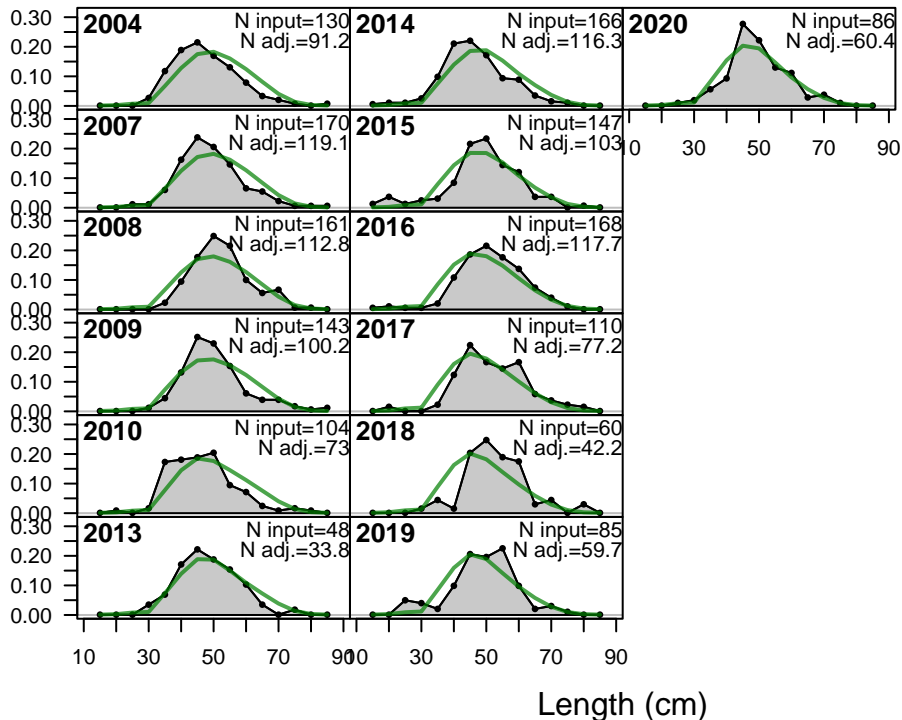
2020

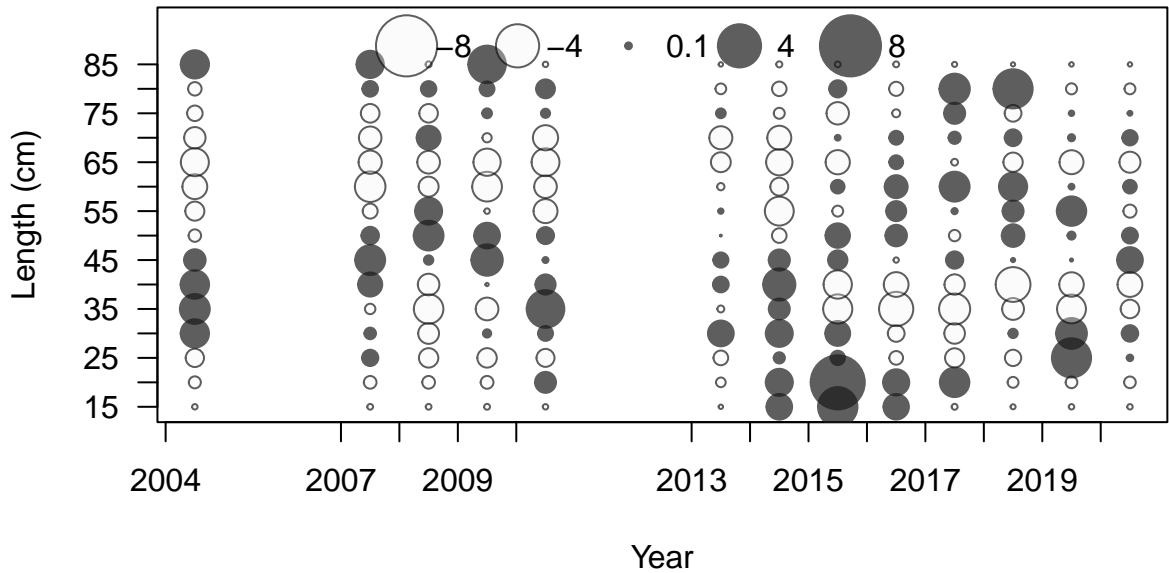
Year





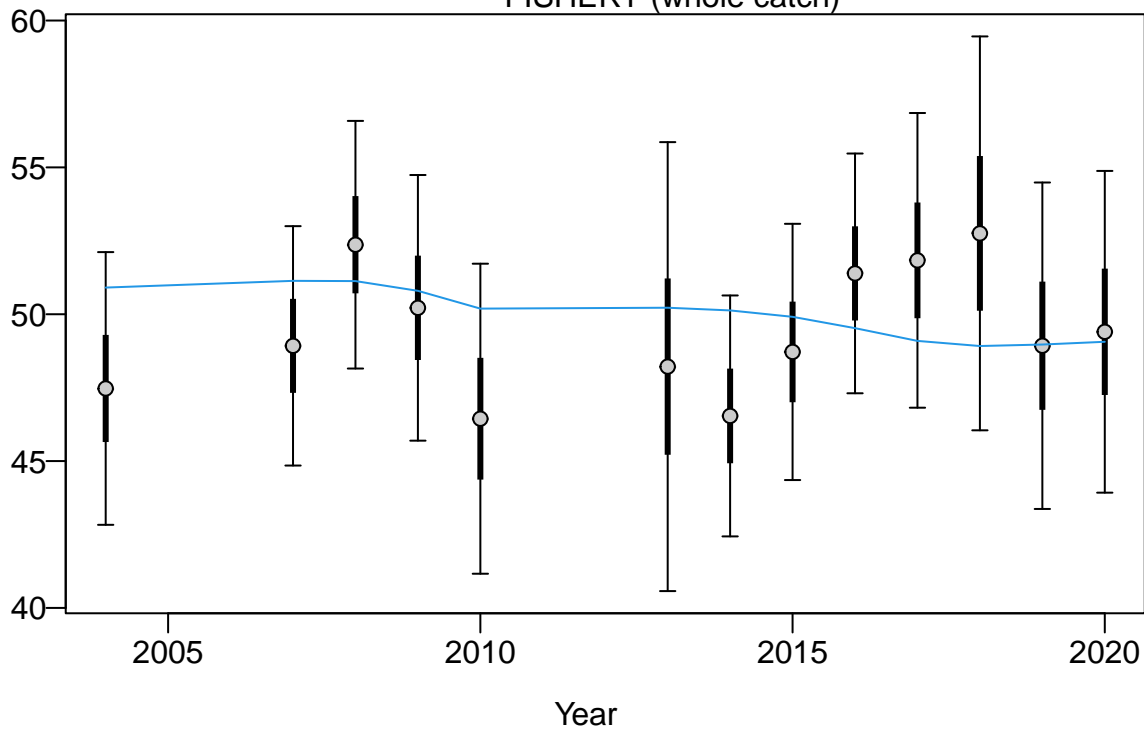




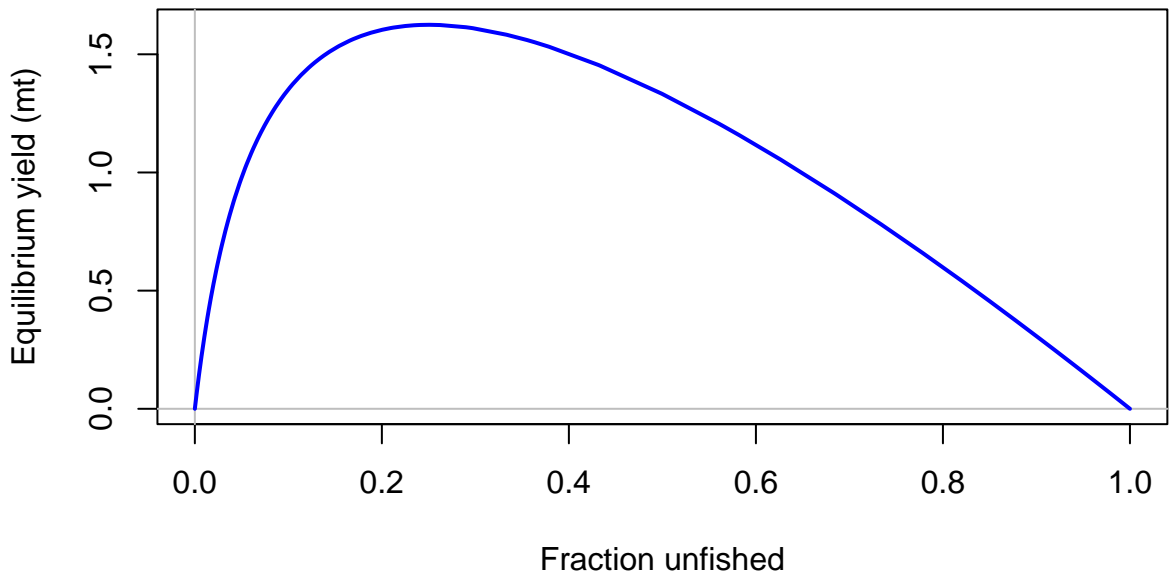


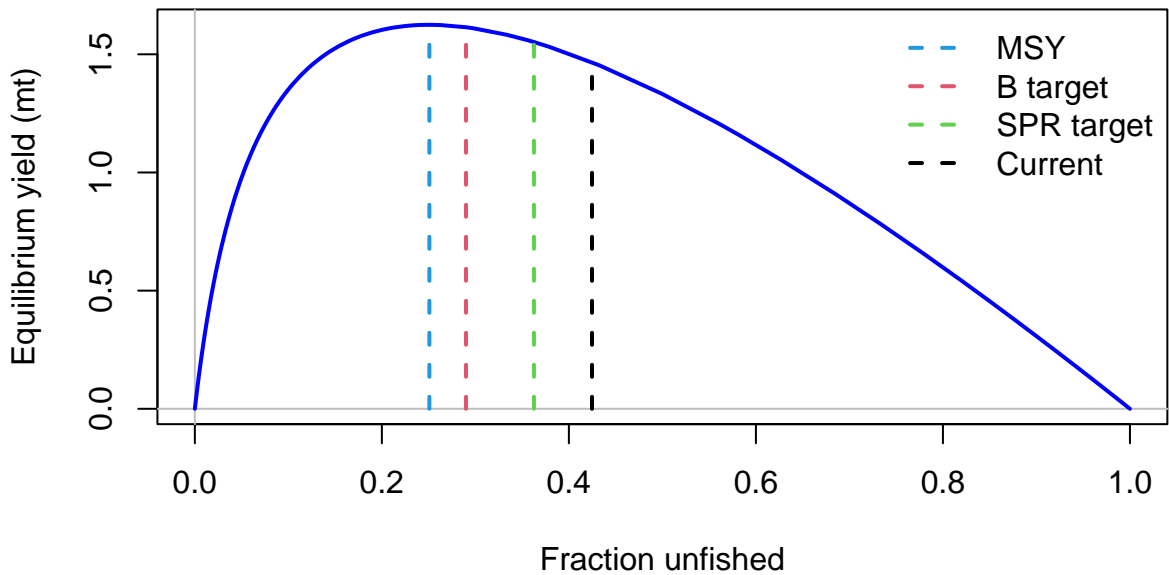
FISHERY (whole catch)

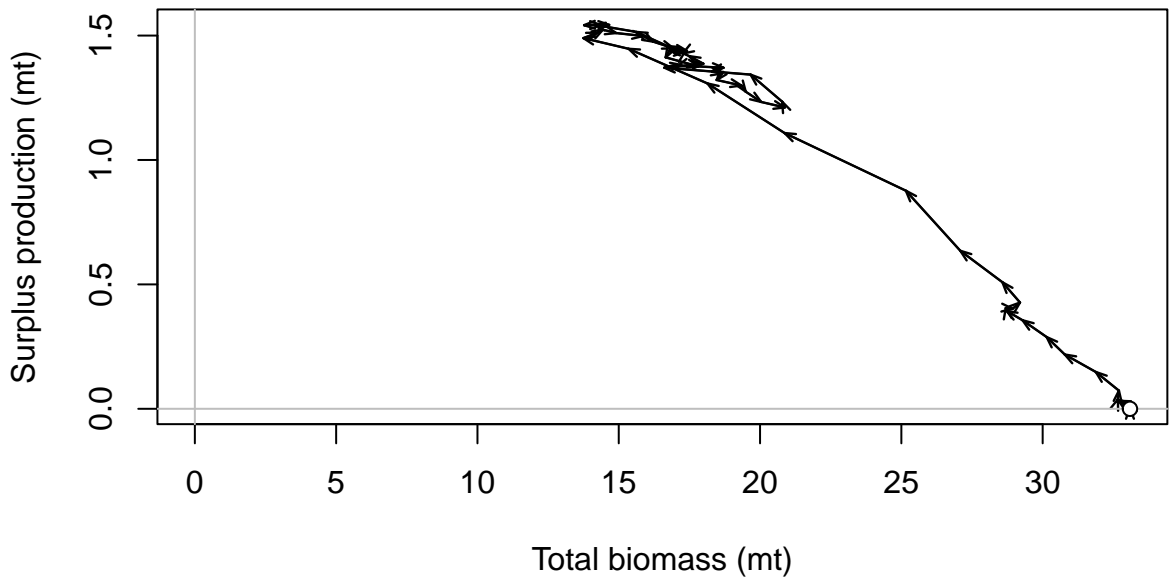
Mean length

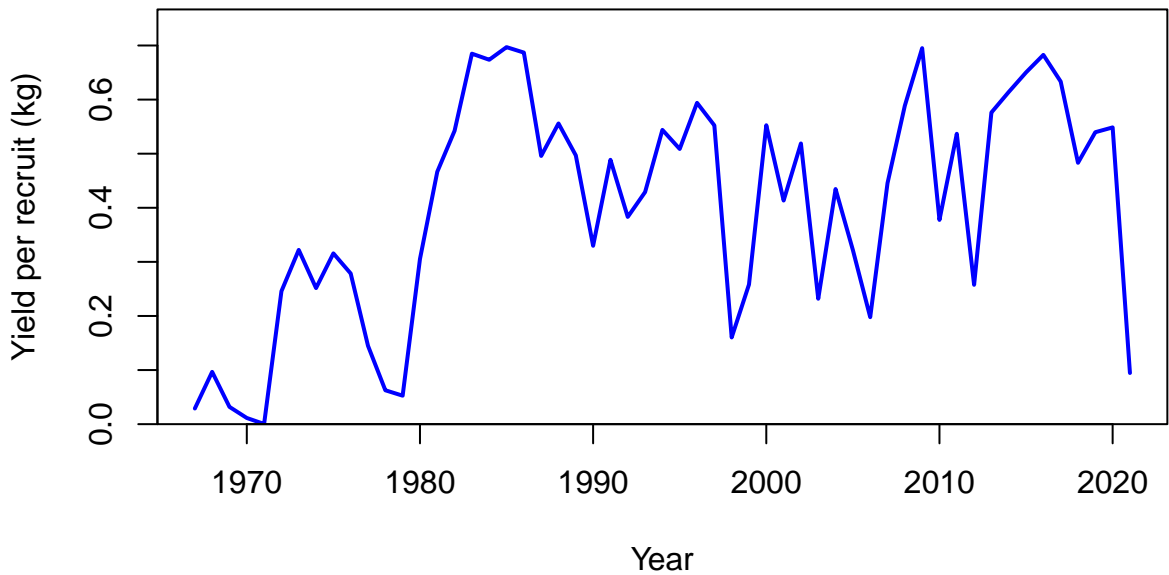


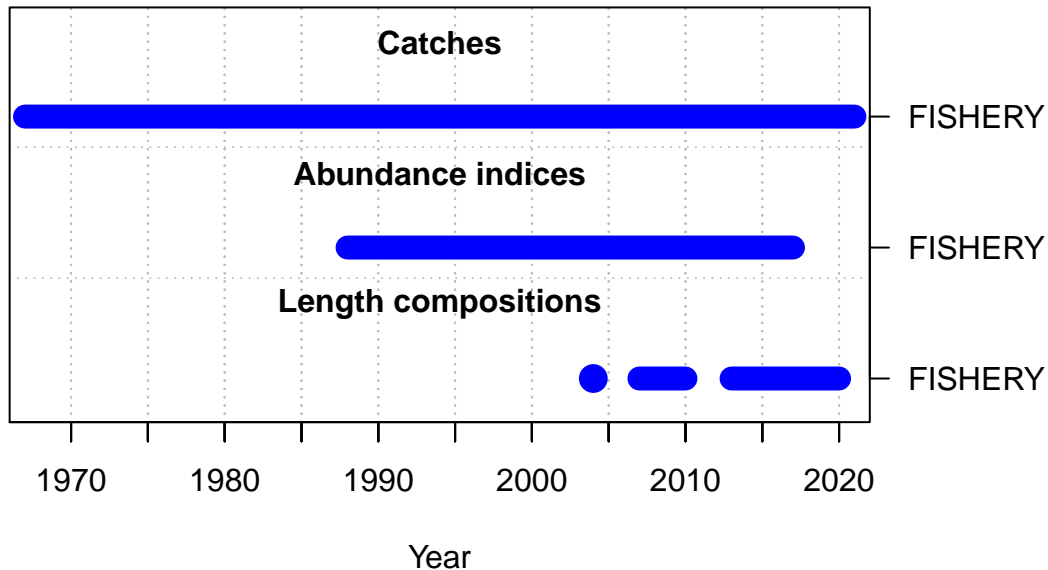


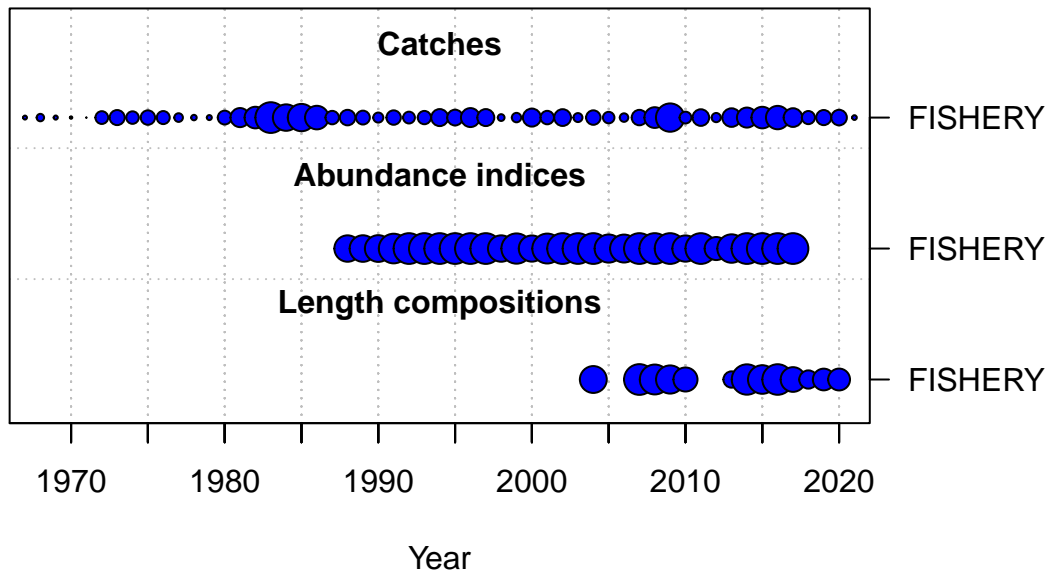






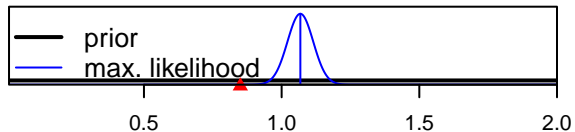




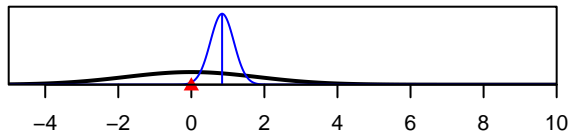


Density

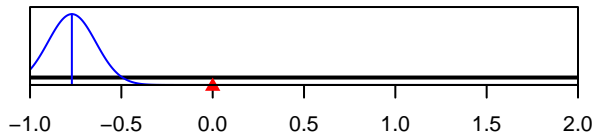
SR\_LN(R0)



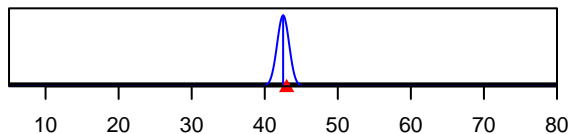
ln(DM\_theta)\_1



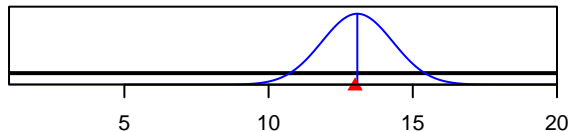
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value